



TEXTS ADOPTED

P9_TA(2021)0434

Joint Undertakings under Horizon Europe *

European Parliament legislative resolution of 21 October 2021 on the proposal for a Council regulation establishing the Joint Undertakings under Horizon Europe (COM(2021)0087 – C9-0166/2021 – 2021/0048(NLE))

(Consultation)

The European Parliament,

- having regard to the Commission proposal to the Council (COM(2021)0087),
 - having regard to Article 187 and the first subparagraph of Article 188 of the Treaty on the Functioning of the European Union, pursuant to which the Council consulted Parliament (C9-0166/2021),
 - having regard to Rule 82 of its Rules of Procedure,
 - having regard to the letter from the Committee on Transport and Tourism,
 - having regard to the report of the Committee on Industry, Research and Energy (A9-0246/2021),
1. Approves the Commission proposal as amended;
 2. Calls on the Commission to alter its proposal accordingly, in accordance with Article 293(2) of the Treaty on the Functioning of the European Union;
 3. Calls on the Council to notify Parliament if it intends to depart from the text approved by Parliament;
 4. Asks the Council to consult Parliament again if it intends to substantially amend the Commission proposal;
 5. Instructs its President to forward its position to the Council and the Commission.

Amendment 1

Proposal for a regulation

Recital 1

Text proposed by the Commission

(1) In order to achieve the greatest possible impact of Union funding and the most effective contribution to the Union's policy objectives, Regulation [XXXX] of the European Parliament and of the Council¹⁰ (the ‘Horizon Europe Regulation’)] established the policy and legal framework for European partnerships with private and/or public sector partners. European partnerships are a key element of the policy approach of Horizon Europe. They are set up to deliver on Union priorities targeted by Horizon Europe and ensure clear impact for the EU and its people, which can be achieved more effectively in partnership, through a strategic vision that is shared and committed to by partners, rather than by the Union alone.

¹⁰ OJ [....].

Amendment 2

Proposal for a regulation

Recital 2

Text proposed by the Commission

(2) In particular, European partnerships in the “Global Challenges and European Industrial Competitiveness” pillar of Horizon Europe play an important role in achieving the strategic objectives such as accelerating the *transitions towards* sustainable development goals *and* a green and digital Europe and should contribute to recovery from the unprecedented COVID-

Amendment

(1) In order to achieve the greatest possible impact of Union funding and the most effective contribution to the Union's policy objectives, Regulation [XXXX] of the European Parliament and of the Council¹⁰ (the ‘Horizon Europe Regulation’)] established the policy and legal framework for European partnerships with private and/or public sector partners. European partnerships are a key element of the policy approach of Horizon Europe. They are set up to deliver on Union *commitments and* priorities targeted by Horizon Europe and ensure clear impact for the EU and its people *and the environment*, which can be achieved more effectively in partnership, through a strategic vision that is shared and committed to by partners, rather than by the Union alone.

¹⁰ OJ [....].

Amendment

(2) In particular, European partnerships in the “Global Challenges and European Industrial Competitiveness” pillar of Horizon Europe play an important role in achieving the strategic objectives such as accelerating the *achievement of the United Nations (UN)* sustainable development goals *(SDGs), the Union’s commitments under the Paris Agreement adopted under*

related crisis. European partnerships address complex cross-border challenges that require an integrated approach. They make it possible to address the transformational, systemic and market failures described in the impact assessments accompanying this Regulation by bringing together a broad range of players across the value chains and ecosystems to work towards a common vision and translating it into concrete roadmaps and coordinated implementation of activities. Furthermore, they allow concentrating efforts and resources on common priorities to solve the complex challenges.

the United Nations Framework Convention on Climate Change^{1a} (the 'Paris Agreement') and the transition towards a green and digital Europe and should contribute to a socially, economically and environmentally resilient recovery from the unprecedented COVID-related crisis while enhancing European industrial leadership. European partnerships address complex cross-border challenges that require an integrated approach. They make it possible to address the transformational, systemic and market failures described in the impact assessments accompanying this Regulation by bringing together a broad range of players across the value chains and ecosystems to work towards a common vision and translating it into concrete roadmaps and coordinated implementation of activities. Furthermore, they allow concentrating efforts and resources on common priorities to solve the complex challenges *to the benefit of society.*

^{1a} OJ L 282, 19.10.2016, p. 4.

Amendment 3

Proposal for a regulation Recital 2 a (new)

Text proposed by the Commission

Amendment

(2a) In order to ensure scientific excellence, and in accordance with Article 13 of the Charter of Fundamental Rights of the European Union (the 'Charter'), freedom of scientific research should be ensured and the highest standards of scientific integrity should be promoted.

Amendment 4

Proposal for a regulation

Recital 2 b (new)

Text proposed by the Commission

Amendment

(2b) It is important that all European partnerships respect the ethical practices and fundamental ethical principles while adhering to the ethical standards set out in the different national, sectoral or institutional codes of ethics. Their research activities should always apply the principles laid down in Article 19 of the Horizon Europe Regulation and in the Commission statement on ethics and stem cell research concerning that Article.

Amendment 5

Proposal for a regulation

Recital 3

Text proposed by the Commission

Amendment

(3) To deliver on priorities and impact, European partnerships should be developed through a broad involvement of relevant stakeholders across Europe including industry, research organisations, bodies with a public service mission at local, regional, national or international level, **and** civil society organisations **such as** foundations that support and/or carry out research and innovation. They should also be one of the measures to strengthen cooperation between private and/or public sector partners at the international level including by joining up research and innovation programmes and cross-border investment in research and innovation bringing mutual benefits to people and businesses while ensuring that the Union can **uphold its interests in** strategic **areas**.

(3) To deliver on priorities and impact, European partnerships should be developed through a broad involvement of **all** relevant stakeholders across Europe including industry, **small and medium-sized enterprises (SMEs) and start-ups, universities**, research organisations, bodies with a public service mission at local, regional, national or international level, civil society organisations, **including non-governmental organisations (NGOs), and** foundations that support and/or carry out research and innovation. They should also be one of the measures to strengthen cooperation between private and/or public sector partners at the international level including by joining up research and innovation programmes and cross-border investment in research and innovation bringing mutual benefits to people and businesses while ensuring that the Union can **develop its** strategic **autonomy alongside an open economy**.

Amendment 6

Proposal for a regulation

Recital 6

Text proposed by the Commission

(6) Regulation (EU) 2020/852¹¹ establishes the general framework for determining whether an economic activity qualifies as environmentally sustainable for the purposes of defining sustainable investments. It creates a common reference that investors, banks, industry and researchers can use when investing in projects and *economic* activities that have a substantial positive impact on climate and environment and no significant harm on any of them. It is the reference for green investments in the Union.

¹¹ Regulation (EU) 2020/852 of the European Parliament and the Council of 18 June 2020 on the establishment of a framework to facilitate sustainable investment, and amending Regulation (EU) 2019/2088 (OJ L 198, 22.6.2020, p. 13).

Amendment 7

Proposal for a regulation

Recital 7

Text proposed by the Commission

(7) Where relevant, partnerships should consider Technical Screening Criteria as of Art. 3 and the “Do No Significant Harm” principle as of Art. 17 of the Regulation (EU) 2020/852 as an instrument to improve their projects readiness and access to green financing that will be crucial for market uptake and wider deployment of the innovative technologies and solutions they will deliver. Scientific evidence is at the core of the Technical Screening Criteria. Research and innovation, pursued by Partnerships, should play an important role to help economic operators reach or go

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¹¹ Regulation (EU) 2020/852 of the European Parliament and the Council of 18 June 2020 on the establishment of a framework to facilitate sustainable investment, and amending Regulation (EU) 2019/2088 (OJ L 198, 22.6.2020, p. 13).

Amendment

(7) Where relevant, partnerships should consider Technical Screening Criteria as of Art. 3 and the “Do No Significant Harm” principle as of Art. 17 of the Regulation (EU) 2020/852 *where the activity of the Joint Undertaking falls within the scope of that Regulation* as an instrument to improve their projects readiness and access to green financing that will be crucial for market uptake and wider deployment of the innovative technologies and solutions they will deliver. Scientific evidence is at the core of the Technical Screening Criteria. Research and innovation, pursued by

beyond the standards and thresholds set up in the Regulation and to keep the Technical Screening Criteria up-to-date and consistent with the European Green Deal objectives.

Partnerships, should play an important role to help economic operators reach or go beyond the standards and thresholds set up in the Regulation and to keep the Technical Screening Criteria up-to-date and consistent with the European Green Deal objectives.

Amendment 8

Proposal for a regulation Recital 10

Text proposed by the Commission

(10) The research and innovation activities undertaken by the joint undertakings should be funded from Horizon Europe. To achieve maximum impact, the joint undertakings should develop close synergies with other Union programmes and funding instruments, particularly with those supporting the deployment of innovative solutions, education and regional development, in order to increase economic and social cohesion and reduce imbalances.

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(10) The research and innovation activities undertaken by the joint undertakings should be funded from Horizon Europe. To achieve maximum impact, the joint undertakings should develop close synergies with other Union programmes and funding instruments, particularly with those supporting the deployment of innovative **sustainable** solutions, education and regional development, in order to **respond to global challenges and** increase economic and social cohesion and reduce imbalances **and mitigate environmental impacts**.

Amendment 9

Proposal for a regulation Recital 11

Text proposed by the Commission

(11) The new policy approach for European Partnerships, and in particular institutionalised European partnerships, calls for a novel way of establishing the legal framework under which they would operate. While the setting up of joint undertakings on the basis of Article 187 TFEU for the purpose of Horizon 2020 has proven to be effective as far as the implementation is concerned, it is necessary to step it up. Therefore, this

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Regulation aims at increasing the coherence, efficiency, effectiveness and impact-orientation of implementation through translating the Horizon Europe provisions, and the experience gained from programme implementation under Horizon 2020 into common provisions across the joint undertakings in a harmonised way. It aims at facilitating the creation of collaboration and synergies between European partnerships, thereby making full use of their interconnections at the organisational level. Joint undertakings should seek opportunities to involve representatives of other European partnerships in discussions during the drafting of their work programmes, identify the areas in which complementary or joint activities would address the challenges more effectively and efficiently, avoid overlaps, align timing of their activities and ensure access to results and other relevant means of knowledge exchange.

Regulation aims at increasing the coherence, efficiency, effectiveness and impact-orientation **and societal added value** of implementation through translating the Horizon Europe provisions, and the experience gained from programme implementation under Horizon 2020 into common provisions across the joint undertakings in a harmonised way. It aims at facilitating the creation of collaboration and synergies between European partnerships, thereby making full use of their interconnections at the organisational level. Joint undertakings should seek opportunities to involve representatives of other European partnerships in discussions during the drafting of their work programmes, identify the areas in which complementary or joint activities would address the challenges more effectively and efficiently, avoid overlaps, align timing of their activities and ensure access to results and other relevant means of knowledge exchange.

Amendment 10

Proposal for a regulation

Recital 12

Text proposed by the Commission

(12) Following the identification of synergies between them, joint undertakings should aim to determine budget shares which should be used for complementary or joint activities between joint undertakings. Moreover, this Regulation aims at achieving improved efficiencies and harmonisation of the rules through intensified operational collaboration and by exploring economies of scale, including **the establishment of a** common back office, which should provide horizontal support **functions** to the joint undertakings. **The common back office should make** it easier to achieve greater impact and harmonisation on common points while retaining a certain degree of flexibility to

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meet the specific needs of each joint undertaking. ***The structure should be established using service level agreements to be concluded jointly by the joint undertakings.*** The common back office functions ***should*** cover coordination and administrative support functions in areas where its screening has proved efficient and cost-effective and should take into account the compliance with the requirement of accountability of each individual authorising officer. The ***legal setup should be designed to best serve the common needs of the*** joint undertakings, to ensure their close collaboration and to explore all possible synergies among the European partnerships and, as a consequence, between the various parts of the Horizon Europe programme as well as between the other programmes managed by the joint undertakings.

and harmonisation on common points while retaining a certain degree of flexibility to meet the specific needs of each joint undertaking. The common back office functions ***may*** cover coordination and administrative support functions, in areas where its screening has proved efficient and cost-effective and should take into account the compliance with the requirement of accountability of each individual authorising officer. The joint undertakings ***should be able to conclude jointly service-level agreements,*** to ensure their close collaboration and to explore all possible synergies among the European partnerships and, as a consequence, between the various parts of the Horizon Europe programme as well as between the other programmes managed by the joint undertakings.

Amendment 11

Proposal for a regulation Recital 13 a (new)

Text proposed by the Commission

Amendment

(13a) The joint undertakings should increase their insight and have a more integrated and systemic approach to managing the activities in their research areas. Complementarity and synergy with collaborative research work programmes and with the European Research Council would nurture the bottom-up inspired innovation pipeline. It would create opportunities for research in areas that are not currently addressed and also promote applications in other sectors, both up and downstream of the pipeline.

Amendment 12

Proposal for a regulation

Recital 14

Text proposed by the Commission

(14) Horizon Europe introduces a more strategic, coherent and impact-driven approach to European partnerships, building on the lessons learned from the Horizon 2020 interim evaluation. In line with the new ambition, this Regulation aims at a more effective use of institutionalised European partnerships notably by focusing on clear objectives, outcomes and impact that can be achieved by 2030, and by ensuring a clear contribution to the related Union policy priorities and policies. Close collaboration and synergies with other relevant initiatives at Union, national and regional level, in particular with other European partnerships, are key in achieving greater impact and ensuring take up of results. In assessing the overall impact, broader investments beyond the contributions from partners and triggered by the joint undertakings that contribute to achieving their objectives should be taken into account.

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Union funding programmes and relevant industrial alliances with charitable foundations and trusts, should also be explored. In assessing the overall impact, broader investments beyond the contributions from partners and triggered by the joint undertakings that contribute to achieving their objectives should be taken into account ***to facilitate the acceleration of market uptake of innovative solutions.***

^{1a} Regulation (EU) 2021/1060 of the European Parliament and of the Council of 24 June 2021 laying down common provisions on the European Regional Development Fund, the European Social Fund Plus, the Cohesion Fund, the Just Transition Fund and the European Maritime, Fisheries and Aquaculture Fund and financial rules for those and for the Asylum, Migration and Integration Fund, the Internal Security Fund and the Instrument for Financial Support for Border Management and Visa Policy (OJ L 231, 30.6.2021, p. 159).

Amendment 13

Proposal for a regulation Recital 15

Text proposed by the Commission

(15) This Regulation is based on the principles and criteria set out in the Horizon Europe Regulation, including openness and transparency, a strong leverage effect and long-term commitments of all the involved parties. One of the objectives of this Regulation is to ensure the openness of the initiatives to a broad range of entities, including newcomers. The partnerships should be open to any entity that is willing and capable to work towards the common goal, and promote broad and active participation of stakeholders in their activities,

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membership and governance, and to ensure that the results would be for the benefit of all Europeans, notably through a broad dissemination of results and pre-deployment activities across the Union.

membership and governance, and to ensure that the results would be for the benefit of all Europeans ***while contributing to the global sustainable development***, notably through a broad dissemination of results and pre-deployment activities ***as widely as possible*** across the Union.

Amendment 14

Proposal for a regulation Recital 17 a (new)

Text proposed by the Commission

Amendment

(17a) A share of the EUR 5,4 billion allocated to Horizon Europe from Next Generation EU under the inter-institutional agreement on the multiannual financial framework for the years 2021-2027 (the ‘MFF’), may contribute to increase the funds of the joint undertakings. That contribution may also be supplemented by decommitments, as provided for in Article 15(3) of Regulation (EU, Euratom) 2018/1046 of the European Parliament and of the Council^{1a} (the ‘Financial Regulation’), and adjusted to reflect contributions from associated countries. Additional contributions from the Union pursuant to Article 13 of Horizon Europe Regulation, Article 5 of the Council Regulation (EU, Euratom) 2020/2093 (the ‘MFF Regulation’)^{1b} and Article 15(3) of the Financial Regulation, are to be distributed within clusters of Pillar 2 of Horizon Europe in a fair way, taking into account the research priorities of the Union as well as its policy goals. Any additional Union contribution should be matched by contributions from Members other than the Union.

^{1a} ***Regulation (EU, Euratom) 2018/1046 of the European Parliament and of the Council on the financial rules***

applicable to the general budget of the Union, amending Regulations (EU) No 1296/2013, (EU) No 1301/2013, (EU) No 1303/2013, (EU) No 1304/2013, (EU) No 1309/2013, (EU) No 1316/2013, (EU) No 223/2014, (EU) No 283/2014, and Decision No 541/2014/EU and repealing Regulation (EU, Euratom) No 966/2012 (OJ L 193, 30.7.2018, p. 1).

^{1b} Council Regulation (EU, Euratom) 2020/2093 of 17 December 2020 laying down the multiannual financial framework for the years 2021 to 2027 (OJ L 433I, 22.12.2020, p. 11).

Amendment 15

Proposal for a regulation

Recital 18

Text proposed by the Commission

(18) In line with the ambitions set out in the Horizon Europe Regulation, one of the preconditions of setting up institutionalised partnerships is ensuring partner's contributions throughout the lifetime of the initiatives. In this context, private partners should deliver a significant part of their contributions in the form of in-kind contributions to operational costs of the joint undertaking. Joint undertakings should be able to seek measures to facilitate these contributions through their work programmes, ***notably by reducing funding rates***. These measures should be based on the specific needs of a joint undertaking and the underlying activities. In justified cases, it should be possible to introduce additional conditions that require the participation of a member of the joint undertaking or their constituent or affiliated entities, targeting activities where the industrial partners of the joint undertaking can play a key role, ***such as large-scale demonstrations and flagship projects, and contribute more via lower funding rates***. The level of participation of members should be monitored by the

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executive director in order to empower the governing board to take appropriate actions, ensuring a balance between commitment from partners and openness. In duly justified cases, the capital expenditure for, e.g., large scale demonstrators or flagship projects, may be considered as an eligible cost in line with the applicable legal framework.

a balance between commitment from partners and openness. In duly justified cases, the capital expenditure for, e.g., large scale demonstrators or flagship projects, may be considered as an eligible cost in line with the applicable legal framework.

Amendment 16

Proposal for a regulation

Recital 19

Text proposed by the Commission

(19) **In** line with the principle of fair sharing of contributions among the members of joint undertakings, financial contributions to the administrative costs of the joint undertakings should be divided equally between the Union and the members other than the Union. Deviations from that principle should only be considered in exceptional and duly justified cases such as where the size or the membership structure of a member of the joint undertaking other than the Union would result in contributions per constituent or affiliated entity, in particular **small and medium-sized enterprises (SMEs)**, of such a high level that they would seriously jeopardise the incentive to become or remain a constituent or affiliated entity of the member of the joint undertaking. In such cases, the minimum percentage of annual financial contribution to the administrative costs of the joint undertaking from members other than the Union should be 20% of the total annual administrative costs and the contributions from SMEs should be significantly lower than those from larger constituent or affiliated entities. Once a critical mass of membership that allows for a contribution higher than 20% of the total annual administrative costs is reached, annual contributions per constituent or affiliated

Amendment

(19) **The ratio of administrative costs to the total budget should be of a comparable value across the joint undertakings and should not exceed 5 % of their budget. Furthermore, in** line with the principle of fair sharing of contributions among the members of joint undertakings, financial contributions to the administrative costs of the joint undertakings should be divided equally between the Union and the members other than the Union. **Members other than the Union should agree among themselves on the fair distribution of their part of the administrative expenses of their joint undertakings.** Deviations from that principle should only be considered in exceptional and duly justified cases such as where the size or the membership structure of a member of the joint undertaking other than the Union would result in contributions per constituent or affiliated entity, in particular SMEs, **research organisations or universities**, of such a high level that they would seriously jeopardise the incentive to become or remain a constituent or affiliated entity of the member of the joint undertaking. In such cases, the minimum percentage of annual financial contribution to the administrative costs of the joint undertaking from members other than the

entity should be maintained or increased with the aim to gradually increase the share of the members other than Union in the overall contribution to the annual administrative costs of the joint undertaking. The members of the joint undertaking other than the Union should endeavour to increase the number of constituent or affiliated entities in order to maximise the contribution to 50% of the administrative costs of the joint undertaking over its lifetime.

Union should be 20 % of the total annual administrative costs and the contributions from SMEs, **research organisations and universities** should be significantly lower than those from larger constituent or affiliated entities. Once a critical mass of membership that allows for a contribution higher than 20 % of the total annual administrative costs is reached, annual contributions per constituent or affiliated entity should be maintained or increased with the aim to gradually increase the share of the members other than Union in the overall contribution to the annual administrative costs of the joint undertaking. The members of the joint undertaking other than the Union should endeavour to increase the number of constituent or affiliated entities in order to maximise the contribution to 50 % of the administrative costs of the joint undertaking over its lifetime.

Amendment 17

Proposal for a regulation Recital 20

Text proposed by the Commission

(20) The Horizon Europe Regulation requires the partners to show their long term commitment, including a minimum share of public and/or private investments. Consequently, it is necessary for the Union to identify in this Regulation founding members established in member states, countries associated to the Horizon Europe Programme or international organisations. However, where necessary, it should be possible to expand the membership base of joint undertakings after they are established with associated members selected following **open** and transparent procedures, taking into account **in particular** the new technological developments or the association of additional countries to the Horizon Europe Programme. Legal entities interested in supporting the joint

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undertakings' objectives in their specific areas of research, without becoming a member, should also be offered the possibility to become contributing partners of these joint undertakings.

innovative approaches or the association of additional countries to the Horizon Europe Programme. Legal entities interested in supporting the joint undertakings' objectives in their specific areas of research, without becoming a member, should also be offered the possibility to become contributing partners of these joint undertakings.

Amendment 18

Proposal for a regulation

Recital 21

Text proposed by the Commission

(21) The establishment of a joint undertaking ensures a mutually beneficial public-private partnership for the members involved, including by promoting certainty on major budget allocations for the relevant industries over a period of seven years. ***Becoming a founding member or associated member, or one of their constituent or affiliated entities, allows gaining influence, either directly or through the industry representatives, in the governing board of the joint undertaking.*** The governing board is the decision-making body of the joint undertaking that decides on the long-term strategic orientation of the partnership, as well as its annual priorities. Founding members and associated members and if applicable representing their constituent entities, should therefore be able to contribute to the joint undertaking's agenda and priority setting through the adoption and possible ***amendment*** of the Strategic Research and Innovation Agenda, as well as the adoption of the annual work programme, including the content of the calls for proposals, the applicable funding rate per call topic, and the related rules for submission, evaluation, selection, award and review procedures.

Amendment

(21) The establishment of a joint undertaking ensures a mutually beneficial public-private partnership for the members involved, including by promoting certainty on major budget allocations for the relevant industries over a period of seven years, ***and by providing political signalling, enhanced planning and investor certainty.*** The governing board is the decision-making body of the joint undertaking that decides on the long-term strategic orientation of the partnership, as well as its annual priorities ***based on the input of partners, including the private sector, the scientific community, Member States representatives and not-for-profit civil society organisations active in the field of the relevant joint undertaking.*** Founding members and associated members and if applicable representing their constituent entities ***together with all other relevant stakeholders***, should therefore be able to contribute to the joint undertaking's agenda and priority setting through the adoption and possible ***revision*** of the Strategic Research and Innovation Agenda, as well as the adoption of the annual work programme, including the content of the calls for proposals, the applicable funding rate per call topic, and the related rules for submission, evaluation, selection, award and review procedures.

Amendment 19

Proposal for a regulation

Recital 22

Text proposed by the Commission

(22) It is appropriate that the members other than the Union commit to the implementation of this Regulation by means of a letter of commitment. Those letters of commitment should be legally valid throughout the lifetime of the initiative and closely monitored by the joint undertaking and the Commission. Joint undertakings should create a legal and organisational environment that enables members to deliver on their commitments while ensuring continuous openness of the initiative **and** transparency during their implementation, notably for priority setting and for participation in calls for proposals.

Amendment

(22) The joint undertakings should be able to work in an agile, simple and flexible manner and have in place a set of clear rules, thereby enhancing attractiveness for all stakeholders in particular for industry, SMEs, research organisations and participating states. It is appropriate that the members other than the Union commit to the implementation of this Regulation by means of a letter of commitment. Those letters of commitment should be published in a timely manner on the website of the relevant joint undertaking while ensuring that confidentiality rules are respected, and should be legally valid throughout the lifetime of the initiative and closely monitored by the joint undertaking and the Commission. Joint undertakings should create a legal and organisational environment that enables members to deliver on their commitments while ensuring continuous openness of the initiative, transparency and the respect of rules on conflicts of interest, during their implementation, notably for priority setting and for participation in calls for proposals promoting participation that is gender balanced and geographically diverse. Joint undertakings should, where appropriate, identify calls for proposal where a coordinating role for SME participants is promoted.

Amendment 20

Proposal for a regulation

Recital 23

Text proposed by the Commission

(23) Further simplification is a cornerstone of the Horizon Europe Framework Programme. In that context, there should be a simplified reporting mechanism for partners, who are no longer required to report on non-eligible costs. In-kind contributions to operational activities should be accounted solely on the basis of eligible costs. That allows for the automated calculation of in-kind contributions to operational activities via the Horizon Europe IT tools, lowers the administrative burden for partners and makes the reporting mechanism for contributions more effective. In-kind contributions to operational activities should be closely monitored by the joint undertakings and regular reports should be prepared by the executive director of the governing board in order to establish whether the progress towards reaching the in-kind contributions targets is satisfactory enough. The governing board should assess both the efforts made and the results achieved by the members contributing to operational activities, as well as other factors, such as the level of participation of SMEs *and* attractiveness of the initiative to newcomers. When necessary, it should take appropriate remedial and corrective measures taking into account the principles of openness and transparency.

Amendment 21

Proposal for a regulation

Recital 24

Text proposed by the Commission

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Amendment

(24) The joint undertakings should provide a systematic opportunity and

incentive for members other than the Union to combine their research and innovation activities with those of the joint undertaking. Additional activities should not receive financial support from the joint undertaking. However, they can be accounted as members' in-kind contributions when contributing to the objectives of the joint undertaking and directly linked to its activities. That link can be established through the uptake of results from indirect actions funded by the joint undertaking or its preceding initiatives, or by demonstrating a significant Union added-value. This Regulation should lay down more specific provisions *concerning* the scope of additional activities for each joint undertaking, to the extent that it is necessary to achieve the desired directionality and impact. It should be further decided by joint undertakings' governing boards whether, for valuing the contributions, the use of simplifying methods such as lump-sums or unit costs is necessary to achieve simplification, cost effectiveness and appropriate level of protection of confidential commercial data.

incentive for members other than the Union to combine their research and innovation activities with those of the joint undertaking. Additional activities should not receive financial support from the joint undertaking. However, they can be accounted as members' in-kind contributions when contributing to the objectives of the joint undertaking and directly linked to its activities. That link can be established through the uptake of results from indirect actions funded by the joint undertaking or its preceding initiatives, or by demonstrating a significant Union added-value. This Regulation should lay down more specific provisions *on identifying* the scope of additional activities *in the most transparent way* for each joint undertaking, to the extent that it is necessary to achieve the desired directionality and impact. It should be further decided by joint undertakings' governing boards whether, for valuing the contributions, the use of simplifying methods such as lump-sums or unit costs is necessary to achieve simplification, cost effectiveness and appropriate level of protection of confidential commercial data.

Amendment 22

Proposal for a regulation Recital 24 a (new)

Text proposed by the Commission

Amendment

(24a) In order to support the careers of young researchers and foster excellence in research and innovation, the joint undertakings should provide up to date information and regular open calls to PhD and postdoctoral students in the remit of the relevant joint undertaking fostering, where relevant, complementarities and synergies with the Marie Skłodowska-Curie Actions.

Amendment 23

Proposal for a regulation

Recital 25

Text proposed by the Commission

(25) The governance of joint undertakings should ensure that their decision-making processes are fit to keep pace with fast-changing socio-economic **and** technological **environment** and global challenges. Joint undertakings should benefit from the expertise, advice and support from all relevant stakeholders, in order to effectively implement their tasks and ensure synergies at Union **and** national level. Therefore, joint undertakings should be empowered to set up advisory bodies with a view to providing them with expert advice and carrying out any other task of an advisory nature that is necessary for the achievement of the joint undertakings' objectives. In setting up the advisory bodies, joint undertakings should ensure a balanced representation of experts within the scope of the activities of the joint undertaking, **including with respect to gender balance**. The advice provided by these bodies should bring in scientific perspectives as well as those of national and regional authorities **and** of other stakeholders of joint undertakings.

Amendment

(25) The governance of joint undertakings should ensure that their decision-making processes are **transparent and** fit to keep pace with fast-changing socio-economic and technological environment and global challenges. **The governing bodies of joint undertakings should take into account the principle of gender balance and geographical diversity.** Joint undertakings should benefit from the expertise, advice and support from all relevant stakeholders, **including but not limited to universities and other research organisations, representatives of industry and SMEs** in order to effectively implement their tasks and ensure synergies at Union, national **and regional** level. Therefore, joint undertakings should be empowered to set up advisory bodies with a view to providing them with expert advice and carrying out any other task of an advisory nature that is necessary for the achievement of the joint undertakings' objectives. In setting up the advisory bodies, joint undertakings should ensure a balanced representation of experts within the scope of the activities of the joint undertaking. The advice provided by these bodies should bring in scientific perspectives as well as those of national and regional authorities, of other stakeholders of joint undertakings **and of civil society organisations.**

Amendment 24

Proposal for a regulation

Recital 26

Text proposed by the Commission

(26) Joint undertakings should **be able to**

Amendment

(26) Joint undertakings should set up an

set up an advisory body with a scientific advisory function. That body or its members should ***be in a position to*** provide independent scientific advice and support to the ***respective*** joint undertaking. The scientific advice should concern, in particular, annual work plans, additional activities as well as any other aspect of the joint undertakings' tasks, as necessary.

advisory body with a scientific advisory function. That body or its members should provide independent scientific advice and support to the ***relevant*** joint undertaking ***independently from members of other governing bodies of the joint undertaking***. The scientific advice should concern, in particular, ***the strategic research and innovation agenda, the*** annual work plans, additional activities, ***socio-economic, environmental and climate impacts, potential new members*** as well as any other aspect of the joint undertakings' tasks, as necessary.

Amendment 25

Proposal for a regulation Recital 26 a (new)

Text proposed by the Commission

Amendment

(26a) The governing boards should provide the scientific advisory body with timely information on decisions concerning recommendations and opinions proposed by the scientific advisory body. Those decisions should be made publicly available.

Amendment 26

Proposal for a regulation Recital 28

Text proposed by the Commission

Amendment

(28) With the view to ensuring that joint undertakings are aware of the positions and views of stakeholders from the entire value chain in their respective fields, joint undertakings should be able to set up their respective advisory stakeholders groups, to be consulted on horizontal issues or specific questions, as per the needs of each joint undertaking. Such groups should be open to all public and private stakeholders, including organised interest groups, and

(28) With the view to ensuring that joint undertakings are aware of the positions and views of stakeholders from the entire value chain in their respective fields, joint undertakings should be able to set up their respective advisory stakeholders groups, to be consulted on horizontal issues or specific questions, as per the needs of each joint undertaking. Such groups should be open to all public and private stakeholders, including organised interest groups, ***civil***

international interest groups from member states, associated countries as well as from other countries, active in the field of the joint undertaking.

society organisations and international interest groups from Member States, associated countries as well as from other countries, active in the field of the joint undertaking.

Amendment 27

Proposal for a regulation Recital 29

Text proposed by the Commission

(29) The joint undertakings should operate in **an** open and transparent way, providing all relevant information in a timely manner to their appropriate bodies as well as promoting their activities, including information and dissemination activities, to the wider public.

Amendment

(29) The joint undertakings should operate in **a simple, flexible**, open, **fair** and transparent way, providing all relevant information in a timely manner to their appropriate bodies as well as promoting their activities, including information and dissemination activities, to the wider public, **engaging in awareness-raising campaigns and promoting educational and dissemination activities, with the involvement of academic, scientific and knowledge networks, social and economic partners, media, organisations representing industry and SMEs and other actors. All joint undertakings should make dedicated efforts to ensure that the public is sufficiently and timely informed of the joint undertakings' activities and should provide appropriate information on their respective websites, including the publication of relevant documentation such as annual activities, progress reports, agendas and minutes of board meetings in line with confidentiality rules. They should enhance the dialogue with society, increase awareness, favour active participation in all stages of scientific inquiry, thus enabling citizens to co-design solutions, contribute to ideas and create constructive attitudes about the activities and the results of the joint undertakings, thereby increasing trust in technological solutions to current and future challenges.**

Amendment 28

Proposal for a regulation Recital 30

Text proposed by the Commission

(30) The joint undertakings should be implemented using a structure and rules that enhance efficiency and ensure simplification. To that effect, the joint undertakings should adopt financial rules specific to its needs in accordance with Article 71 of Regulation (EU, Euratom) No 2018/1046 of the European Parliament and of the Council².

² Regulation (EU, Euratom) 2018/1046 of the European Parliament and of the Council of 18 July 2018 on the financial rules applicable to the general budget of the Union, amending Regulations (EU) No 1296/2013, (EU) No 1301/2013, (EU) No 1303/2013, (EU) No 1304/2013, (EU) No 1309/2013, (EU) No 1316/2013, (EU) No 223/2014, (EU) No 283/2014, and Decision No 541/2014/EU and repealing Regulation (EU, Euratom) No 966/2012 (OJ L 193, 30.7.2018, p. 1).

Amendment 29

Proposal for a regulation Recital 32

Text proposed by the Commission

(32) Participation in indirect actions

Amendment

(30) ***The governance structure and the dedicated programme office are unique features of the joint undertakings that should permit a higher level of trust-based operations.*** The joint undertakings should be implemented using a structure and rules that enhance ***their impact***, efficiency and ensure ***maximum administrative simplification for the beneficiaries and reduction of their administrative burden.*** To that effect, the joint undertakings should adopt financial rules specific to its needs in accordance with Article 71 of Regulation (EU, Euratom) No 2018/1046 of the European Parliament and of the Council². ***In order to enable the joint undertakings to perform their tasks and additional activities, adequate staff numbers and grades should be ensured.***

² Regulation (EU, Euratom) 2018/1046 of the European Parliament and of the Council of 18 July 2018 on the financial rules applicable to the general budget of the Union, amending Regulations (EU) No 1296/2013, (EU) No 1301/2013, (EU) No 1303/2013, (EU) No 1304/2013, (EU) No 1309/2013, (EU) No 1316/2013, (EU) No 223/2014, (EU) No 283/2014, and Decision No 541/2014/EU and repealing Regulation (EU, Euratom) No 966/2012 (OJ L 193, 30.7.2018, p. 1).

Amendment

(32) Participation in indirect actions

funded by the joint undertakings under Horizon Europe should comply with the rules set out in the Horizon Europe Regulation. The joint undertakings should ensure consistent application of those rules based on relevant measures adopted by the Commission. The joint undertakings should use the corporate model grant agreement prepared by the Commission. In relation to the period to object to transfers of ownership of results referred to in [Article 36(4)] of the Horizon Europe Regulation, the duration of innovation cycles in the areas covered by the *respective* joint undertakings should be taken into account.

funded by the joint undertakings under Horizon Europe should comply with the rules set out in the Horizon Europe Regulation. ***SMEs in particular may lack the resources to actively engage in European projects and should be supported by all joint undertakings to participate in their activities*** However, in order to encourage the participation of ***SMEs, joint undertakings should be able to apply different reimbursement rates for the Union funding within an action depending on the type of participant. The reimbursement rates should be indicated in the work programme.*** The joint undertakings should ensure consistent application of those rules based on relevant measures adopted by the Commission. The joint undertakings should use the corporate model grant agreement prepared by the Commission. In relation to the period to object to transfers of ownership of results referred to in [Article 36(4)] of the Horizon Europe Regulation, the duration of innovation cycles in the areas covered by the *relevant* joint undertakings should be taken into account.

Amendment 30

Proposal for a regulation Recital 32 a (new)

Text proposed by the Commission

Amendment

(32a) Since the lack of skills is a major obstacle to competitiveness, joint undertakings should actively contribute to reducing the specific skills gap across the Union and to adopting measures to improve the gender balance and address the gender dimension, including in the STEM fields, by assisting in the building of new knowledge and human capital, by engaging in awareness raising campaigns and by promoting educational and dissemination activities, with the involvement of academic, scientific and knowledge networks, social and economic

partners, the media, organisations representing industry and SMEs and other players. Joint undertakings should seek for possibilities to inform students who might wish to pursue a career in the science, technology, engineering and mathematics and in other areas related to the operational activities of the joint undertakings. Joint undertakings should be one of the instruments for attracting talents and reducing the problem of brain drain, keeping a balanced circulation of researchers and specialised expertise.

Amendment 31

Proposal for a regulation

Recital 33

Text proposed by the Commission

(33) **One of** the main purposes of joint undertakings is to foster the Union's economic capacities and in particular its scientific and technological sovereignty. Moreover, the post pandemic recovery highlights the need to invest in key technologies such as **5G**, AI, cloud, cybersecurity and green tech **and** the valorisation of these technologies in the Union. Results generated by all participants will play an important role in this respect and all participants will benefit from the Union funding through the results generated in the project and access rights thereto, even those participants not having received Union funding. Therefore, to protect the Union interests, the right for joint undertakings to object to transfers of ownership of results or to grants of an exclusive licence regarding results should also apply to participants not having received Union funding. In exercising this right to object the joint undertaking should strike a fair balance between the Union interests and protection of fundamental rights on the results of the participants without funding in accordance with the principle of proportionality, taking into

Amendment

(33) **Among** the main purposes of joint undertakings is to foster the Union's economic capacities and in particular its **industrial**, scientific and technological sovereignty **as well as climate neutrality and to build a more sustainable and competitive economy through scientific, digital and technological innovation**. Moreover, the post pandemic recovery highlights the need to invest in **necessary infrastructures and** key technologies such as **new communication technologies, 5G and 6G**, AI, cloud, cybersecurity and green tech **as well as** the valorisation, **deployment and commercialisation** of these technologies in the Union. **The joint undertakings should contribute to fostering open science in accordance with the principles set down in Articles 14 and 39 of the Horizon Europe Regulation, which state that access to research data should be 'as open as possible, as closed as necessary', taking into consideration the legitimate interests of the beneficiaries**. Results generated by all participants will play an important role in this respect and all participants will benefit from the Union funding through the results

account that these participants did not receive any Union funding for the action from which the results were generated.

generated in the project and access rights thereto, even those participants not having received Union funding. Therefore, to protect the Union interests, the right for joint undertakings to object to transfers of ownership of results or to grants of an exclusive licence regarding results should also apply to participants not having received Union funding. In exercising this right to object the joint undertaking should strike a fair balance between the Union interests and protection of fundamental rights on the results of the participants without funding in accordance with the principle of proportionality, taking into account that these participants did not receive any Union funding for the action from which the results were generated.

Amendment 32

Proposal for a regulation

Recital 38

Text proposed by the Commission

(38) In accordance with [Article 8(2)(c)] of the Horizon Europe Regulation, joint undertakings should have a clear life cycle approach. In order to adequately protect the financial interests of the Union, joint undertakings should be set up for a period ending 31 December 2031 to allow them to exercise their responsibilities with regard to grant implementation until the last indirect actions launched have been completed.

Amendment

(38) ***The joint undertakings should be financed by the Union programmes under the MFF and, where applicable, by Next Generation EU.*** In accordance with [Article 8(2)(c)] of the Horizon Europe Regulation, joint undertakings should have a clear life cycle approach. In order to adequately protect the financial interests of the Union, joint undertakings should be set up for a period ending 31 December 2031 to allow them to exercise their responsibilities with regard to grant implementation until the last indirect actions launched have been completed.

Amendment 33

Proposal for a regulation

Recital 38 a (new)

Text proposed by the Commission

Amendment

(38a) The joint undertaking, its bodies and staff should avoid any conflict of interest in the implementation of their activities. The governing board and the Executive Directors should adopt rules for the prevention, avoidance and management of conflicts of interest. Members of the Scientific Committee should make publicly available and keep updated a declaration of full professional activities, of financial interests and of conflicts of interest.

Amendment 34

Proposal for a regulation

Recital 39

Text proposed by the Commission

Amendment

(39) In the context of the **European** Commission's priority of "A European Green Deal"³ supported by the revised Union Bioeconomy Strategy⁴, the EU Biodiversity Strategy⁵, the Clean Planet for All Communication⁶, the Circular Economy Action Plan⁷ **and** the new Farm to Fork communication⁸, the European bio-based sector, including SMEs, regions and primary producers should become climate neutral, more circular and more sustainable while remaining competitive on the global scale. A strong, resource efficient and competitive bio-based innovation ecosystem can decrease dependency on and accelerate the substitution of non-renewable fossil raw materials and mineral resources. It can develop renewable bio-based products, materials, processes and nutrients from waste and biomass through sustainability and circularity-driven innovation. Such ecosystem can also create value from local feedstock – including waste, residues and side-streams – to deliver jobs, economic growth and development throughout the Union not

(39) In the context of the Commission's priority of "A European Green Deal"³ supported by the revised Union Bioeconomy Strategy⁴, the EU Biodiversity Strategy⁵, the Clean Planet for All Communication⁶, the Circular Economy Action Plan⁷, the new Farm to Fork communication⁸ **and the UN SDGs**, the European bio-based sector, including SMEs **and start-ups**, regions and primary producers should become climate neutral, more circular and more sustainable while remaining competitive on the global scale. A strong, resource efficient and competitive bio-based innovation ecosystem can decrease dependency on and accelerate the substitution of non-renewable fossil raw materials and mineral resources. It can develop renewable bio-based products, materials, processes and nutrients from waste and biomass through sustainability and circularity-driven innovation. Such ecosystem can also create value from local feedstock – including waste, residues and side-streams – to deliver jobs, economic, **social** growth and

only in urban areas but also in rural and coastal territories where biomass is produced and that are often peripheral regions that rarely benefit from industrial development.

3

https://ec.europa.eu/info/strategy/priorities-2019-2024/european-green-deal_en.

⁴ COM(2018)0673.

⁵ COM(2020)0380.

⁶ <https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:52018DC0773&from=EN>.

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https://ec.europa.eu/info/strategy/priorities-2019-2024/european-green-deal_en.

⁸ COM(2020)0381.

development throughout the Union not only in urban areas but also in rural and coastal territories where biomass is produced and that are often peripheral regions that rarely benefit from industrial, *economic and social* development. *It can also contribute to the identification of solutions using negative emissions technologies and approaches.*

3

https://ec.europa.eu/info/strategy/priorities-2019-2024/european-green-deal_en.

⁴ COM(2018)0673.

⁵ COM(2020)0380.

⁶ <https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:52018DC0773&from=EN>.

7

https://ec.europa.eu/info/strategy/priorities-2019-2024/european-green-deal_en.

⁸ COM(2020)0381.

Amendment 35

Proposal for a regulation

Recital 40

Text proposed by the Commission

(40) The Bio-Based Industry Joint Undertaking established under Horizon 2020 has focused on sustainable resource use, especially in resource-intensive and high-impact sectors, such as agriculture, textiles manufacturing and construction, in particular also aiming at local operators, manufacturers, plants and factories. Its interim evaluation published in October 2017 included a strong set of 34 recommendations that are reflected in the design of the Circular Bio-based Europe Joint Undertaking established by this Regulation. The Circular Bio-based Europe Joint Undertaking is not a direct continuation of the Bio-Based Industry

Amendment

(40) The Bio-Based Industry Joint Undertaking established under Horizon 2020 has focused on sustainable resource use, especially in resource-intensive and high-impact sectors, such as agriculture, textiles manufacturing and construction, in particular also aiming at local operators, manufacturers, plants and factories. Its interim evaluation published in October 2017 included a strong set of 34 recommendations that are reflected in the design of the Circular Bio-based Europe Joint Undertaking established by this Regulation. The Circular Bio-based Europe Joint Undertaking is not a direct continuation of the Bio-Based Industry

Joint Undertaking but rather a programme that builds on the achievements of the predecessor and addresses its shortcomings. In line with the recommendations, the Circular Bio-based Europe Joint Undertaking should involve a wider range of stakeholders including the primary sector (agriculture, aquaculture, fisheries and forestry) as well as providers of waste, residues and side streams, regional authorities and investors to prevent market failures and unsustainable bio-based processes. To deliver on its objectives, it should only fund projects that are respecting principles of circularity, sustainability *and* planetary boundaries.

Joint Undertaking but rather a programme that builds on the achievements of the predecessor and addresses its shortcomings. In line with the recommendations, the Circular Bio-based Europe Joint Undertaking should involve a wider range of stakeholders including the primary sector (***across technologies,*** agriculture, aquaculture, fisheries and forestry) as well as providers of waste, residues and side streams, regional authorities and investors to prevent market failures and unsustainable bio-based processes ***as well as representatives from civil society organisations. In particular it should ensure openness to smaller actors.*** To deliver on its objectives, it should only fund projects that are respecting principles of circularity, sustainability, planetary boundaries ***and mitigate their potential social, and environmental impacts.***

Amendment 36

Proposal for a regulation Recital 41

Text proposed by the Commission

(41) The Circular Bio-based Europe Joint Undertaking should establish Deployment Groups that should serve as advisory bodies and should actively participate in the strategic discussions that are setting the agenda for the partnership. It is crucial to include those advisory bodies in the governance structure to ensure wider participation and higher private investment in the circular bio-based sector. The Deployment Groups should in particular provide support to the strategic Governing Board meetings where industrial leaders and the stakeholders' representatives together with high-level Commission representatives join the permanent Governing Board to discuss and set the strategic direction of the partnership.

Amendment

(41) The Circular Bio-based Europe Joint Undertaking should establish Deployment Groups that should serve as advisory bodies and should actively participate in the strategic discussions that are setting the agenda for the partnership. It is crucial to include those advisory bodies in the governance structure to ensure wider participation and higher private investment in the circular bio-based sector. The Deployment Groups should in particular provide support to the strategic Governing Board meetings where industrial leaders and the stakeholders' representatives together with high-level Commission representatives join the permanent Governing Board to discuss and set the strategic direction ***and ensure the environmental and social sustainability*** of the partnership.

Amendment 37

Proposal for a regulation Recital 42

Text proposed by the Commission

(42) The main objective of the Clean Aviation Joint Undertaking should be to contribute to reducing the ecological footprint of aviation by accelerating the development of climate neutral aviation technologies for their earliest possible deployment, therefore significantly contributing to the ambitious environment impact mitigation goals of the European Green Deal, that is to say a **55%** emissions reduction by 2030 compared to 1990 levels, and climate neutrality by 2050. This objective can only be achieved through accelerating and optimising the research and innovation processes in aeronautics and by improving the global competitiveness of the Union aviation industry. The Clean Aviation Joint Undertaking should also ensure that cleaner aviation remains safe, secure and efficient for the transportation of passengers and goods by air.

Amendment

(42) The main objective of the Clean Aviation Joint Undertaking should be to contribute to reducing the ecological footprint of aviation by accelerating the development of climate neutral aviation technologies for their earliest possible deployment, therefore significantly contributing to the ambitious environment impact mitigation goals of the European Green Deal, **and the Regulation (EU) 2021/1119 of the European Parliament and of the Council^{1a} (European Climate Law)** that is to say a **55 %** emissions reduction by 2030 compared to 1990 levels, and climate neutrality by 2050 **at the latest, in line with Paris Agreement**. This objective can only be achieved through accelerating and optimising the research and innovation processes in aeronautics and by improving the global competitiveness of the Union aviation industry. The Clean Aviation Joint Undertaking should also ensure that cleaner aviation remains safe, secure and efficient for the transportation of passengers and goods by air.

^{1a} **Regulation (EU) 2021/1119 of the European Parliament and of the Council of 30 June 2021 establishing the framework for achieving climate neutrality and amending Regulations (EC) No 401/2009 and (EU) 2018/1999 ('European Climate Law') (OJ L 243, 9.7.2021, p. 1).**

Amendment 38

Proposal for a regulation
Recital 44 a (new)

Text proposed by the Commission

Amendment

(44a) Clean and sustainable aviation, which is facing significant challenges due to the COVID-19 pandemic, has been recognised as a vital element for Union’s success in a highly competitive world. The Clean Aviation Joint Undertaking could expand the aeronautics research support base in different ways. It could help import new knowledge, solutions and innovation potential by finding ideas in other sciences and sectors. It could also enable students to contribute in an industrial environment, particularly in SMEs. Successful collaboration between joint undertakings and academic institutions may lead to sponsored research contracts, funded collaborations, student internship programs, shared specialized facilities, industry affiliates programs, grants, awards, prizes that energise the academic community.

Amendment 39

Proposal for a regulation
Recital 47

Text proposed by the Commission

Amendment

(47) Europe faces the challenge of having to play a leading role in internalising the societal costs of greenhouse gas emissions in the air transport business model while continuing to ensure a ‘level playing field’ for European products in the global market. Therefore, the Clean Aviation Joint Undertaking should support the European representatives in international standardisation and international legislative efforts.

(47) Europe faces the challenge of having to play a ***global*** leading role in internalising the societal costs of greenhouse gas emissions ***and environmental impacts*** in the air transport business model while continuing to ensure a ‘level playing field’ for European products ***and services*** in the global market ***as well as the right to connectivity and the competitiveness of the sector***. Therefore, the Clean Aviation Joint Undertaking should support the European representatives in international standardisation and international legislative efforts.

Amendment 40

Proposal for a regulation

Recital 48

Text proposed by the Commission

(48) Interest in Hydrogen has evolved dramatically in the last five years with all member states having signed and ratified the Conference of the Parties (COP21) Paris Agreement. At the end of 2019, the Commission presented the European Green Deal, which aims to transform the Union into a fair and prosperous society, with a modern, resource-efficient and competitive economy, where there are no net emissions of greenhouse gases in 2050. Priority areas include clean hydrogen, fuel cells, other alternative fuels **and** energy storage. Hydrogen is prominent in the July 2020 “Communications on a hydrogen strategy for a climate-neutral Europe and an EU Strategy for Energy System Integration” as well as for the launch of the European Clean Hydrogen Alliance that brings all stakeholders together to identify technology needs, investment opportunities and regulatory barriers to build a clean hydrogen ecosystem in the Union.

Amendment

(48) Interest in Hydrogen has evolved dramatically in the last five years with all member states having signed and ratified the Conference of the Parties (COP21) Paris Agreement. At the end of 2019, the Commission presented the European Green Deal, which aims to transform the Union into a fair and prosperous society, with a modern, resource-efficient and competitive economy, where there are no net emissions of greenhouse gases in 2050 **at latest**. Priority areas include clean hydrogen, fuel cells, other alternative fuels, energy storage **and negative emissions technologies**. Hydrogen is prominent in the July 2020 “Communications on a hydrogen strategy for a climate-neutral Europe and an EU Strategy for Energy System Integration” **and the European Parliament's resolution of 19 May 2021 on a European Strategy for Hydrogen^{1a}** as well as for the launch of the European Clean Hydrogen Alliance that brings all stakeholders together to identify technology **research and infrastructure** needs, investment opportunities and regulatory **as well as economic** barriers to build a clean hydrogen ecosystem in the Union.

^{1a} **Texts adopted, P9_TA(2021)0241**

Amendment 41

Proposal for a regulation

Recital 49

Text proposed by the Commission

(49) Dedicated research and innovation

Amendment

(49) Dedicated research and innovation

activities related to hydrogen applications have been supported since 2008, mainly through the Fuel Cell and Hydrogen Joint Undertakings (FCH Joint Undertaking and FCH 2 Joint Undertaking) under FP7 and Horizon 2020 as well as by traditional collaborative projects, covering all stages/fields of the hydrogen value chain. The Clean Hydrogen Joint Undertaking should strengthen and integrate Union scientific capacity to accelerate the development and improvement of advanced clean hydrogen applications ready for market, across energy, transport, building and industrial end-uses. This will only be possible if combined with strengthening competitiveness of the Union clean hydrogen value chain, and notably SMEs.

activities related to hydrogen applications have been supported since 2008, mainly through the Fuel Cell and Hydrogen Joint Undertakings (FCH Joint Undertaking and FCH 2 Joint Undertaking) under FP7 and Horizon 2020 as well as by traditional collaborative projects, covering all stages/fields of the hydrogen value chain. The Clean Hydrogen Joint Undertaking should strengthen and integrate Union scientific capacity to accelerate the development and improvement of advanced clean hydrogen applications ready for market, across energy, **aviation, maritime and heavy-duty** transport, building and industrial end-uses. This will only be possible if combined with strengthening competitiveness of the Union clean hydrogen value chain, and notably SMEs **and start-ups**.

Amendment 42

Proposal for a regulation

Recital 51

Text proposed by the Commission

(51) Since hydrogen can be deployed as a fuel, energy carrier and for storing energy it is essential that the clean hydrogen partnership establishes structured collaboration with many other Horizon Europe partnerships, notably for end-use. The clean hydrogen partnership should interact in particular with the zero emission road and waterborne transport, Europe's railway, clean aviation, processes for the planet and clean steel partnerships. For that purpose, a structure should be set up reporting to the Governing Board in order to ensure the co-operation and synergies between these partnerships in the domain of hydrogen. The clean hydrogen initiative would be the only partnership focused on addressing hydrogen production technologies. Collaboration with end-use partnerships should in particular focus on demonstrating the technology and co-defining specifications.

Amendment

(51) Since hydrogen can be deployed as a fuel, energy carrier and for storing energy it is essential that the clean hydrogen partnership establishes structured collaboration with many other Horizon Europe partnerships, notably for end-use, **and is involved in Important Projects of Common European Interest (IPCEI)**. The clean hydrogen partnership should interact **and develop synergies** in particular with the zero emission road and waterborne transport, Europe's railway, clean aviation, processes for the planet and clean steel partnerships. For that purpose, a structure should be set up reporting to the Governing Board in order to ensure the co-operation and synergies between these partnerships in the domain of hydrogen. The clean hydrogen initiative would be the only partnership focused on addressing hydrogen production technologies **and infrastructure**. Collaboration with end-use

partnerships should in particular focus on demonstrating the technology and co-defining specifications.

Amendment 43

Proposal for a regulation

Recital 53

Text proposed by the Commission

(53) The European Green Deal aims to transform the Union into a fair and prosperous society, with a modern, resource-efficient and competitive economy where there are no net emissions of greenhouse gases by 2050 and where economic growth is decoupled from resource use. Priority areas include accelerating the shift to sustainable and smart mobility.

Amendment

(53) The European Green Deal aims to transform the Union into a fair and prosperous society, with a modern, **energy and** resource-efficient, **sustainable** and competitive economy where there are no net emissions of greenhouse gases by 2050 and where economic growth is decoupled from resource use. Priority areas include accelerating the shift to sustainable and smart mobility.

Amendment 44

Proposal for a regulation

Recital 54

Text proposed by the Commission

(54) The Commission Communication on a New Industrial Strategy for Europe²² (March 2020) **underlines** that sustainable and smart mobility industries, such as the rail industry, have both the responsibility and the potential to drive the digital and green transition, support Europe's industrial competitiveness and improve connectivity. Therefore road, rail, aviation, and waterborne transport should all contribute to a 90% reduction in transport emissions by 2050. As a matter of priority, a substantial part of the 75% of inland freight carried today by road should shift onto rail and inland waterways.

Amendment

(54) The Commission Communication on a New Industrial Strategy for Europe²² (March 2020), **including its update of May 2021, underline** that sustainable and smart mobility industries, such as the rail industry, have both the responsibility and the potential to drive the digital and green transition, support Europe's industrial competitiveness, **boost the recovery** and improve connectivity. Therefore road, rail, aviation, and waterborne transport should all contribute to a 90 % reduction in transport emissions by 2050. As a matter of priority, a substantial part of the 75 % of inland freight carried today by road should shift onto rail and inland waterways.

²² <https://eur-lex.europa.eu/legal->

²² <https://eur-lex.europa.eu/legal->

Amendment 45

Proposal for a regulation

Recital 56

Text proposed by the Commission

(56) The objective of Europe's Rail Joint Undertaking should be to deliver a high capacity integrated European railway network by eliminating barriers to interoperability and providing solutions for full integration, covering traffic management, vehicles, infrastructure and services. This should exploit the huge potential for digitalisation and automation to reduce rail's costs, increase capacity, and enhance its flexibility and reliability, and should be based upon a solid Reference Functional System Architecture shared by the sector, in coordination with the European Union Agency for Railways.

Amendment

(56) The objective of Europe's Rail Joint Undertaking should be to deliver a high capacity integrated European railway network ***which aims to the highest standards of safety for both end-users, including passengers, and rail workers*** by eliminating barriers to interoperability and providing solutions for full integration, covering traffic management, vehicles, infrastructure and services ***including through ticketing***. This should exploit the huge potential for digitalisation and automation to reduce rail's costs, increase capacity, and enhance its flexibility and reliability, ***safety and inclusiveness*** and should be based upon a solid Reference Functional System Architecture shared by the sector, in coordination with the European Union Agency for Railways.

Amendment 46

Proposal for a regulation

Recital 58

Text proposed by the Commission

(58) Rail is a complex system, with very close interactions between infrastructure managers, rail undertakings (train operators) and their respective equipment (infrastructure and rolling stock). It is impossible to deliver innovation without common specifications and strategy across the rail system. Therefore, the System Pillar of the Europe's Rail Joint Undertaking should enable the sector to converge on a single operational concept

Amendment

(58) Rail is a complex system, with very close interactions between infrastructure managers, rail undertakings (train operators) and their respective equipment ***suppliers (e.g. infrastructure and rolling stock)***. It is impossible to deliver innovation without common specifications and strategy across the rail system. Therefore, the System Pillar of the Europe's Rail Joint Undertaking should enable the sector to converge on a single

and system architecture, including the definition of the services, functional blocks, and interfaces, which form the basis of rail system operations. It should provide the overall framework to ensure that research targets customer requirements and operational needs that are commonly agreed and shared customer requirements and operational needs. The governance model and the decision making process of the Europe's Rail Joint Undertaking should reflect the Commission's leading role in unifying and integrating Europe's railway system, especially in rapidly and effectively delivering the single operational concept and system architecture, while involving the private partners in advisory and technical support roles.

operational concept and system architecture, including the definition of the services, functional blocks, and interfaces, which form the basis of rail system operations. It should provide the overall framework to ensure that research targets customer requirements and operational needs ***in order to deliver enhanced passenger rights*** that are commonly agreed and shared customer requirements and operational needs. The governance model and the decision making process of the Europe's Rail Joint Undertaking should reflect the Commission's leading role in unifying and integrating Europe's railway system, especially in rapidly and effectively delivering the single operational concept and system architecture, while involving the private partners in advisory and technical support roles ***and taking into account the needs of end-users, including passengers, and workers with specific reference to safety and inclusiveness.***

Amendment 47

Proposal for a regulation

Recital 61

Text proposed by the Commission

(61) In the context of the Commission's priorities of the ***United Nations Sustainable Development Goals***, in particular SDG 3, and the Communication Towards a Comprehensive Strategy with Africa²³, the Union is committed to contribute to ensure healthy lives and promote well-being for all, to build an even stronger partnership between our two continents and to support the development of research and innovation capacities within Africa. The Global Health EDCTP3 Joint Undertaking should address the lack of appropriate diagnostics, treatments and vaccines, among other so-called health technologies, to address infectious diseases, such as HIV, malaria and tuberculosis, but also other poverty related

Amendment

(61) In the context of the Commission's priorities of the ***UN SDGs***, in particular SDG 3, and the Communication Towards a Comprehensive Strategy with Africa²³, the Union is committed to contribute to ensure healthy lives and promote well-being for all, to build an even stronger partnership between our two continents and to support the development of research and innovation capacities within Africa. The Global Health EDCTP3 Joint Undertaking should address the lack of appropriate diagnostics, treatments and vaccines, among other so-called health technologies, to address infectious diseases, such as HIV, malaria and tuberculosis, but also other poverty related and neglected infectious diseases, that are prevalent in Africa,

and neglected infectious diseases, that are prevalent in Africa, especially in sub-Saharan Africa. The COVID19 pandemic has revealed that with the increased connectivity of different regions in the world, through world trade and tourism, infectious diseases can rapidly spread all over the world. Developing health technologies is therefore crucial to limit the spread of infectious diseases, as well as to fight them once they have spread, to protect the health of the citizens in the countries concerned and in the Union. In order to achieve a stronger global health leadership than the current EDCTP2 initiative, the scope of the partnership should be extended to cover response to emerging infectious diseases threats, the increasing problems of antimicrobial resistance and non-communicable diseases co-morbidities.

²³ Joint Communication to the European Parliament and the Council: Towards a comprehensive Strategy with Africa, Brussels, 9.3.2020, JOIN(2020) 4 final.

Amendment 48

Proposal for a regulation

Recital 62

Text proposed by the Commission

(62) Tackling infectious diseases affecting sub-Saharan Africa with modern technology tools requires the involvement of a large set of actors and long-term commitments. The Global Health EDCTP3 Joint Undertaking should broker productive and sustainable North–South and South–South networking and cooperation, building relationships with multiple private and public sector organisations to strengthen project and institutional collaborations. The

especially in sub-Saharan Africa. The COVID19 pandemic has revealed that with the increased connectivity of different regions in the world, through world trade and tourism, infectious diseases can rapidly spread all over the world. Developing health technologies is therefore crucial to limit the spread of infectious diseases, as well as to fight them once they have spread, to protect the health of the citizens ***to improve and foster health*** in the countries concerned and in the Union ***by supporting health promotion and disease prevention, reducing health inequalities and ensuring equal and full access to health***. In order to achieve a stronger global health leadership than the current EDCTP2 initiative, the scope of the partnership should be extended to cover response to emerging infectious diseases threats, the increasing problems of antimicrobial resistance and non-communicable diseases co-morbidities.

²³ Joint Communication to the European Parliament and the Council: Towards a comprehensive Strategy with Africa, Brussels, 9.3.2020, JOIN(2020) 4 final.

Amendment

(62) Tackling infectious diseases affecting sub-Saharan Africa with modern technology tools requires the involvement of a large set of actors and long-term commitments. The Global Health EDCTP3 Joint Undertaking should broker productive and sustainable North–South and South–South networking and cooperation, building relationships with multiple private, ***not-for-profit*** and public sector organisations to strengthen project and institutional collaborations. ***The***

programme should also help to establish new North–South and South–South collaborations to conduct multi-country, multi-site studies in sub-Saharan Africa. In addition, a regular international conference, the EDCTP Forum, should provide a platform for scientists and relevant networks from Europe, Africa, and elsewhere to share findings and ideas, and to establish collaborative links.

Global Health EDCTP3 Joint Undertaking should establish strong links and synergies with the initiatives so far implemented by the European Development Fund and should improve coordination in the different fields of activity, collaborating in capacity building and sharing facilities and infrastructures, with the actions supported by the Neighbourhood, Development and International Cooperation Instrument in Africa. The programme should also help to establish new North–South and South–South collaborations to conduct multi-country, multi-site studies in sub-Saharan Africa. In addition, a regular international conference, the EDCTP Forum, should provide a platform for scientists and relevant networks from Europe, Africa, and elsewhere to share findings and ideas, and to establish collaborative links.

Amendment 49

Proposal for a regulation Recital 64

Text proposed by the Commission

(64) It is essential that the research activities funded by Global Health EDCTP3 Joint Undertaking or otherwise covered by its work programme, are in full compliance with the Charter *of Fundamental Rights of the European Union*, the European Convention on Human Rights and its Supplementary Protocols, ethical principles included in the World Medical Association’s Declaration of Helsinki of 2008, the standards of good clinical practice adopted by the International Conference on Harmonisation of Technical Requirements for Registration of Pharmaceuticals for Human Use, relevant Union legislation and local ethics requirements of the countries where the research activities are to be conducted. Furthermore, the Global Health EDCTP3 Joint Undertaking should require that the

Amendment

(64) It is essential that the research activities funded by Global Health EDCTP3 Joint Undertaking or otherwise covered by its work programme, are in full compliance with the Charter, the European Convention on Human Rights and its Supplementary Protocols, ethical principles included in the World Medical Association’s Declaration of Helsinki of 2008, the standards of good clinical practice adopted by the International Conference on Harmonisation of Technical Requirements for Registration of Pharmaceuticals for Human Use, relevant Union legislation and local ethics requirements of the countries where the research activities are to be conducted. Furthermore, the Global Health EDCTP3 Joint Undertaking should require that the innovations and interventions developed

innovations and interventions developed based on results of the indirect actions supported by the programme be affordable and accessible for vulnerable populations.

based on results of the indirect actions supported by the programme be affordable and accessible for vulnerable populations *living in low-resource settings. The Global Health EDCTP3 Joint Undertaking should also support the establishment of ethics committees in African countries, in support of research and innovation activities.*

Amendment 50

Proposal for a regulation

Recital 65

Text proposed by the Commission

(65) For the Global Health EDCTP3 Joint Undertaking to succeed and incentivise participation in the partnership, the joint undertaking funding should be restricted to legal entities eligible for funding under the Horizon Europe programme and established in constituent states of the European and Developing Countries Clinical Trials Partnership (EDCTP) Association. The entities established in other Union member states, associated countries and sub-Saharan African countries should still be able to participate in the calls without receiving funding. Additionally it should also be possible for entities established in other countries than members of the EDCTP3 Association to be eligible for funding in specific call topics or in case of a call addressing a public health emergency, where it is provided for in the work programme. The Global Health EDCTP3 Joint Undertaking should take all appropriate measures, including contractual, to protect the financial interests of the Union. The conclusion of science and technology agreements with third countries should be sought. Before their conclusion, where entities established in a third country without such an agreement participate with funding in an indirect action, alternative measures to safeguard Union interests should be

Amendment

(65) For the Global Health EDCTP3 Joint Undertaking to succeed and incentivise participation in the partnership, the joint undertaking funding should be restricted to legal entities eligible for funding under the Horizon Europe programme and established in constituent states of the European and Developing Countries Clinical Trials Partnership (EDCTP) Association. The entities established in other Union member states, associated countries and sub-Saharan African countries should still be able to participate in the calls without receiving funding. Additionally it should also be possible for entities established in other countries than members of the EDCTP3 Association to be eligible for funding in specific call topics or in case of a call addressing a public health emergency, where it is provided for in the work programme. The Global Health EDCTP3 Joint Undertaking should take all appropriate measures, including contractual, to protect the financial interests of the Union. The conclusion of science and technology agreements with third countries should be sought. Before their conclusion, where entities established in a third country without such an agreement participate with funding in an indirect action, alternative measures to safeguard Union interests should be

applied by the EDCTP3 JU: the financial coordinator of the action should be established in a Member State or associated country and the amount of pre-financing as well as liability provisions of the grant agreement should be adapted to adequately take the financial risks into account.

applied by the EDCTP3 JU: ***except in cases of projects led by African entities and countries***, the financial coordinator of the action should be established in a Member State or associated country and the amount of pre-financing as well as liability provisions of the grant agreement should be adapted to adequately take the financial risks into account.

Amendment 51

Proposal for a regulation Recital 66

Text proposed by the Commission

(66) In the context of the ***European*** Commission's priorities of "An economy that works for people" and "A Europe fit for the digital age", the European industry, including SMEs, should become ***greener***, more circular and more digital while remaining competitive on the global scale. The Commission has emphasized the role of medical devices and digital technologies addressing emerging challenges and the use of e-health services to provide high-quality health care, along with a call for ensuring the supply of affordable medicines to meet the ***Union's*** needs, whilst supporting an innovative and world-leading European pharmaceutical industry. The Innovative Health Initiative Joint Undertaking aims to contribute towards strengthening the competitiveness of the Union's health industry, ***a cornerstone of the Union's knowledge-based economy, to an increased economic activity*** in the development of health technologies, notably of integrated health solutions, and thus serve as a tool for increasing technological ***sovereignty*** and fostering the digital transformation of our societies. Such political priorities can be achieved by bringing together the crucial players: the academia, companies of various sizes and end-users of health innovations, under the umbrella of a public-private partnership in

Amendment

(66) In the context of the Commission's priorities of "An economy that works for people" and "A Europe fit for the digital age", the European industry, including SMEs ***and start-ups***, should become ***environmentally sustainable***, more circular and more digital while remaining competitive on the global scale. The Commission has emphasized the role of medical devices, ***enhanced diagnostics, treatments*** and digital technologies addressing emerging ***health*** challenges and the use of e-health services to provide high-quality health care, along with a call for ensuring the supply of affordable medicines to meet the ***patients'*** needs, whilst supporting an innovative and world-leading European pharmaceutical industry. The Innovative Health Initiative Joint Undertaking aims to contribute towards strengthening the competitiveness of the Union's health industry in the development of health technologies, notably of integrated health solutions, and thus ***improving the quality and delivery of health services throughout the Union***, serve as a tool for increasing technological ***development and innovative solutions*** and fostering the digital transformation of our societies. Such political priorities can be achieved by bringing together the crucial players: ***the public sector***, the academia,

health research and innovation. The Innovative Health Initiative Joint Undertaking should help reach the objectives of the ‘Europe’s Beating Cancer Plan’⁹ and the ‘European One Health Action Plan against Antimicrobial Resistance’¹⁰. The Innovative Health Initiative Joint Undertaking should be aligned with the new Industrial Strategy for Europe¹¹, the Pharmaceutical Strategy for Europe¹² and the SME strategy for a sustainable and digital Europe¹³.

companies of various sizes and end-users of health innovations, under the umbrella of a public-private partnership in health research and innovation. The Innovative Health Initiative Joint Undertaking should help reach the objectives of the ‘Europe’s Beating Cancer Plan’⁹, ***the Horizon Europe Mission on Cancer*** and the ‘European One Health Action Plan against Antimicrobial Resistance’¹⁰, ***and should also enhance the collaboration with the different European initiatives for rare diseases***. The Innovative Health Initiative Joint Undertaking should be aligned with the new Industrial Strategy for Europe¹¹ ***and its update***, the Pharmaceutical Strategy for Europe¹² and the SME strategy for a sustainable and digital Europe¹³. ***Synergies with the European Health Emergency Preparedness and Response Authority (HERA) should be sought to provide a structural collaborative system to enable the Union to anticipate and tackle health-related threats more effectively. Cooperation mechanisms and synergies with the EU4Health programme are also beneficial to boosting the Union’s preparedness to cross border health threats, strengthen health systems and improve availability and affordability of pharmaceutical innovation products. The Joint Undertaking should also develop synergies with the European Health Data Space as well as with the research initiatives in the field of rare diseases.***

⁹ <https://ec.europa.eu/info/law/better-regulation/have-your-say/initiatives/12154-Europe-s-Beating-Cancer-Plan>.

¹⁰

https://ec.europa.eu/health/sites/health/files/antimicrobial_resistance/docs/amr_2017_action-plan.pdf.

¹¹ COM(2020)0102.

¹² COM(2020)0761.

¹³ COM(2020)0103.

⁹ <https://ec.europa.eu/info/law/better-regulation/have-your-say/initiatives/12154-Europe-s-Beating-Cancer-Plan>.

¹⁰

https://ec.europa.eu/health/sites/health/files/antimicrobial_resistance/docs/amr_2017_action-plan.pdf.

¹¹ COM(2020)0102.

¹² COM(2020)0761.

¹³ COM(2020)0103.

Amendment 52

Proposal for a regulation Recital 67

Text proposed by the Commission

(67) The Innovative Health Initiative Joint Undertaking builds on the experience gained from the Innovative Medicine Initiative 2 Joint Undertaking (IMI2 Joint Undertaking) including the work done by this initiative to combat the COVID-19 pandemic. In line with the recommendations of the interim evaluation of IMI2 Joint Undertaking¹⁴, a successor initiative needs to “enable the active engagement of other industry sectors with the pharmaceutical industry to capitalise on their expertise in the development of new health care interventions”. Therefore, the industry sectors need to cover the biopharmaceutical, biotechnology and medical technology sectors, including companies active in the digital area. The scope of the initiative should cover prevention, diagnosis, treatment and disease management and must be established taking due account of the high burden for patients and/or society due to the severity of the disease and/or the number of people affected, as well as the high economic impact of the disease for patients and for health care systems. The funded actions must respond to the Union public health needs, supporting the development of future health innovations that are safe, *people-centred*, effective, cost-effective and affordable for patients and for health care systems.

¹⁴ The Interim Evaluation of the Innovative Medicines Initiative 2 Joint Undertaking (2014-2016) operating under

Amendment

(67) The Innovative Health Initiative Joint Undertaking builds on the experience gained from the Innovative Medicine Initiative 2 Joint Undertaking (IMI2 Joint Undertaking) including the work done by this initiative to combat the COVID-19 pandemic. In line with the recommendations of the interim evaluation of IMI2 Joint Undertaking¹⁴, a successor initiative needs to “enable the active engagement of other industry sectors with the pharmaceutical industry to capitalise on their expertise in the development of new health care interventions”. Therefore, the industry sectors need to cover the biopharmaceutical, biotechnology and medical technology sectors, including companies active in the digital area. ***The new initiative should ensure an active engagement of civil society and patient organisations.*** The scope of the initiative should cover prevention, diagnosis, treatment and disease management and must be established taking due account of the high burden for patients, ***their families*** and/or society due to the severity of the disease and/or the number of people affected ***or likely to be affected***, as well as the high economic impact of the disease for patients and for health care systems. The funded actions must respond to the Union public health needs, supporting the development of future health innovations that are safe, ***people-centred and patient-centred***, effective, cost-effective, ***accessible*** and affordable for patients and for health care systems ***and services in order to improve health quality.***

¹⁴ The Interim Evaluation of the Innovative Medicines Initiative 2 Joint Undertaking (2014-2016) operating under

Amendment 53

Proposal for a regulation

Recital 68

Text proposed by the Commission

(68) To ensure the best opportunity for generating new scientific ideas and successful research and innovation activities, the key actors in Innovative Health Initiative Joint Undertaking should be researchers from various types of entities, public and private. At the same time, end-users such as Union citizens, health care professionals and health care providers should provide input into the strategic design and activities of the initiative, ***ensuring that it addresses their*** needs. Furthermore, Union-wide and national regulatory authorities, health technology assessment bodies and health care payers should also provide early input to the partnership's activities, while ensuring the absence of any conflicts of interest, in order to increase the likelihood that the results of funded actions meet the requirements necessary for uptake and thus reaching the expected impacts. All that input should help better target research efforts towards areas of unmet need.

Amendment

(68) To ensure the best opportunity for generating new scientific ideas and successful research and innovation activities, the key actors in Innovative Health Initiative Joint Undertaking should be researchers from various types of entities, public and private. At the same time, end-users such as Union citizens, ***their families, consumer and patient groups***, health care professionals and health care providers, ***and other relevant public interest groups from across the Union*** should provide input into the strategic design and activities of the initiative. ***The Health Initiative Joint Undertaking should ensure that the activities it carries out address these*** needs. Furthermore, Union-wide and national regulatory authorities, health technology assessment bodies and health care payers should also provide early input to the partnership's activities, while ensuring the absence of any conflicts of interest, in order to increase the likelihood that the results of funded actions meet ***patients' needs and*** the requirements necessary for uptake and thus reaching the expected impacts. All that input should help better target research efforts towards areas of unmet need ***or underfinanced need***.

Amendment 54

Proposal for a regulation

Recital 70

Text proposed by the Commission

(70) The partnership's objectives should focus on the pre-competitive area, thereby creating a safe space for efficient collaboration between companies active in different health technologies. To reflect the integrative nature of the initiative, help break the silos between health industry sectors and strengthen the industry-academia collaborations, the majority of the projects funded by the initiative should be cross-sectoral.

Amendment 55

Proposal for a regulation **Recital 71**

Text proposed by the Commission

(71) The term Key Digital Technologies refers to electronic components and systems that underpin all major economic sectors. The Commission highlighted the need to master those technologies in Europe, notably in the context of delivering on European policy priorities such as digital technology autonomy³⁰. The importance of the area and the challenges faced by the stakeholders in the Union require urgent action in order to leave no weak link in Europe's innovation and value chains. A mechanism at Union level should therefore be set up to combine and focus the provision of support to research and innovation in electronic components and systems by member states, the Union and the private sector.

Amendment

(70) The partnership's objectives should focus on the ***non-competitive and*** pre-competitive area, thereby creating a safe space for efficient ***and effective*** collaboration between companies active in different health technologies. To reflect the integrative nature of the initiative, help break the silos between health industry sectors and strengthen the industry-academia collaborations, the majority of the projects funded by the initiative should be cross-sectoral.

Amendment

(71) The term Key Digital Technologies refers to electronic components and systems that underpin all major economic sectors. The Commission highlighted the need to master those technologies in Europe, notably in the context of delivering on European policy priorities such as digital technology autonomy³⁰. The importance of the area and the challenges faced by the stakeholders in the Union require urgent action in order to leave no weak link in Europe's innovation and value chains. A mechanism at Union level should therefore be set up to combine and focus the provision of support to research and innovation in electronic components and systems by member states, the Union and the private sector. ***The Alliance on processors and semiconductor technologies and the Alliance for Industrial Data, Edge and Cloud should also complement the initiatives of the joint undertaking.***

³⁰ Communication from the Commission to the European Parliament, the Council, the European Economic and Social Committee and the Committee of the Regions on Shaping Europe's digital future (COM(2020) 67 final).

³⁰ Communication from the Commission to the European Parliament, the Council, the European Economic and Social Committee and the Committee of the Regions on Shaping Europe's digital future (COM(2020) 67 final).

Amendment 56

Proposal for a regulation Recital 72

Text proposed by the Commission

(72) The Key Digital Technologies Joint Undertaking should address clearly defined topics that would enable European industries at large to design, manufacture and use the most innovative technologies in electronic components and systems. Structured and coordinated financial support at European level is necessary to help research teams and European industries maintain their current strengths at the leading edge in a highly competitive international context and close the gap in technologies that are critical for a digital transformation *in Europe* that reflects core Union values including privacy and trust, security and safety. Collaboration among stakeholders of the ecosystem, representing all segments of the value chains, is essential for the development of new technologies *and the* fast market uptake of innovation. Openness and flexibility to integrate relevant stakeholders, including in particular SMEs, in emerging or adjacent areas of technology, or in both, is also vital.

Amendment

(72) The Key Digital Technologies Joint Undertaking should address clearly defined topics that would enable European industries at large to design, manufacture and use the most innovative technologies in electronic components and systems. Structured and coordinated financial support at European level is necessary to help research teams and European industries maintain their current strengths at the leading edge in a highly competitive international context and close the gap in technologies that are critical for a digital transformation *of the Union and its technological leadership* that reflects core Union values including privacy, *data protection* and trust, security and safety *at all levels of the value chains*. Collaboration among stakeholders of the ecosystem, representing all segments of the value chains, is essential for the development of new technologies *based on privacy and security by design and their civil society organisations and* relevant stakeholders, including in particular SMEs, in emerging or adjacent areas of technology, or in both, is also vital. *The Key Digital Technologies Joint Undertaking should also develop research activities to contribute to the goals set out in the Commission Communication of 9 March 2021 entitled '2030 Digital Compass: the European way for the Digital Decade'.*

Amendment 57

Proposal for a regulation

Recital 73

Text proposed by the Commission

(73) The Key Digital Technologies Joint Undertaking should combine the financial and technical means that are essential to master the escalating pace of innovation in this area, to generate important spill-overs for society, **and to share risk-taking** by aligning strategies and investments towards a common European interest. Therefore, the members of the Key Digital Technologies Joint Undertaking should be the Union, member states and associated countries to Horizon Europe on a voluntary basis, and associations as private members representing their constituent companies [and other legal entities active in the field of electronics components and systems in Europe] Participation of member states will furthermore facilitate a coherent alignment with national programmes and strategies, reducing overlap and fragmentation of efforts while ensuring synergies across stakeholders and activities.

Amendment

(73) The Key Digital Technologies Joint Undertaking should combine the financial and technical means that are essential to master the escalating pace of innovation in this area, to generate important spill-overs for society, by aligning strategies and investments towards a common European interest. Therefore, the members of the Key Digital Technologies Joint Undertaking should be the Union, member states and associated countries to Horizon Europe on a voluntary basis, and associations as private members representing their constituent companies [and other legal entities active in the field of electronics components and systems in Europe] Participation of member states will furthermore facilitate a coherent alignment with national programmes and strategies, reducing overlap and fragmentation of efforts while ensuring synergies across stakeholders and activities.

Amendment 58

Proposal for a regulation

Recital 74

Text proposed by the Commission

(74) In accordance with [Article 8(1)(c)] of the Horizon Europe Regulation, participating *states* should **entrust the Key Digital Technologies Joint Undertaking with the implementation of their contribution to their national participants in indirect actions. The beneficiaries should sign a single grant** agreement with the joint undertaking **following the Horizon Europe rules, including the**

Amendment

(74) In accordance with [Article 8(1)(c)] of the Horizon Europe Regulation, **the joint undertakings should implement a central management of all financial contributions through a coordinated approach. Accordingly, each** participating state should **conclude an administrative laying down the coordination mechanism for the payment of and reporting on**

respective framework for intellectual property rights, depending on the Union programme supporting the corresponding grant activity. The Key Digital Technologies Joint Undertaking should process the cost claims and execute the payments to the beneficiaries.

contributions to applicants established in that participating state. In order to ensure coherence with their national strategic priorities and in duly justified cases, participating states should have a right to veto the use of their national financial contributions for specific applicants.

Amendment 59

Proposal for a regulation Recital 77

Text proposed by the Commission

(77) The Union's Single European Sky legal framework³¹ seeks to reform the European air traffic management (ATM) system through institutional, operational, technological and regulatory actions with the aim of improving its performance in terms of capacity, safety, efficiency and environmental impact.

³¹ Regulation (EC) No 549/2004 of the European Parliament and of the Council of 10 March 2004 laying down the framework for the creation of the single European Sky (OJ L 96, 31.3.2004, p.1).

Amendment

(77) The Union's Single European Sky legal framework³¹ seeks to reform the European air traffic management (ATM) system through institutional, operational, technological and regulatory actions with the aim of improving its performance in terms of capacity, safety, efficiency, **climate** and environmental impact.

³¹ Regulation (EC) No 549/2004 of the European Parliament and of the Council of 10 March 2004 laying down the framework for the creation of the single European Sky (OJ L 96, 31.3.2004, p.1).

Amendment 60

Proposal for a regulation Recital 78

Text proposed by the Commission

(78) The Single European Sky Air Traffic Management (ATM) Research and Development project (the 'SESAR project')³² aims to modernise ATM and to bundle technological and operational innovation in support of the Single European Sky. It aims at providing the technological solutions for a highly performing ATM by 2035 to enable an uncongested, even safer and more

Amendment

(78) The Single European Sky Air Traffic Management (ATM) Research and Development project (the 'SESAR project')³² aims to modernise ATM and to bundle technological and operational innovation in support of the Single European Sky. It aims at providing the technological solutions for a highly performing ATM by 2035 to enable an uncongested, even safer and more

environmentally friendly functioning of the air transport sector. The SESAR project comprises three interrelated, continuous and evolving collaborative processes that define, develop and deploy innovative technological systems and operational procedures underlying the digital European sky defined in the European ATM Master Plan³³.

³² Council Regulation (EC) No 219/2007 of 27 February 2007 on the establishment of a Joint Undertaking to develop the new generation European air traffic management system (SESAR) OJ L 64, 2.3.2007, p. 1.

³³ Council Decision 2009/320/EC endorsing the European Air Traffic Management Master Plan of the Single European Sky ATM Research (OJ L 95, 9.4.2009, p.41).

environmentally *and climate* friendly functioning of the air transport sector, *in line with the European Green Deal and the European Climate Law*. The SESAR project comprises three interrelated, continuous and evolving collaborative processes that define, develop and deploy innovative technological systems and operational procedures underlying the digital European sky defined in the European ATM Master Plan³³.

³² Council Regulation (EC) No 219/2007 of 27 February 2007 on the establishment of a Joint Undertaking to develop the new generation European air traffic management system (SESAR) OJ L 64, 2.3.2007, p. 1.

³³ Council Decision 2009/320/EC endorsing the European Air Traffic Management Master Plan of the Single European Sky ATM Research (OJ L 95, 9.4.2009, p.41).

Amendment 61

Proposal for a regulation Recital 79

Text proposed by the Commission

(79) The “European ATM Master Plan” is the planning tool for ATM modernisation across Europe, connecting ATM research and innovation activities with deployment activities scenarios to achieve the Single European Sky performance objectives.

Amendment

(79) The “European ATM Master Plan” is the planning tool for ATM modernisation across Europe, connecting ATM research and innovation activities with deployment activities scenarios to achieve the Single European Sky performance objectives, *not only improving the efficiency in the course of individual flights, but also enabling the continuous adaptation of its overall capacity alongside the technological progress.*

Amendment 62

Proposal for a regulation
Recital 81

Text proposed by the Commission

(81) The Single European Sky ATM Research 3 Joint Undertaking should build on the experience of the SESAR Joint Undertaking and continue its coordination role for ATM research in the Union. The main objectives of the Single European Sky ATM Research 3 Joint Undertaking should be to strengthen and further integrate the research and innovation capacity in Europe, **helping** to accelerate the digitalisation of the sector and **rendering** it more resilient and scalable to fluctuations in traffic. It should **strengthen**, through innovation, the competitiveness of manned and unmanned air transport and ATM services, to **support** economic recovery and growth. It should **develop** and accelerate the market uptake of innovative solutions to establish the Single European Sky airspace as the most efficient and environmentally friendly sky to fly in the world.

Amendment 63

Proposal for a regulation
Recital 83

Text proposed by the Commission

(83) Participation in the Single European Sky ATM Research 3 Joint Undertaking should be open to the widest possible range and representation of stakeholders from all member states and countries associated to Horizon Europe, including SMEs, through different forms of participation. In particular, participation should ensure a proper balance between equipment manufacturers for both manned and unmanned aviation, airspace users, air navigation service providers, airports,

Amendment

(81) The Single European Sky ATM Research 3 Joint Undertaking should build on the experience of the SESAR Joint Undertaking and continue its coordination role for ATM research in the Union. The main objectives of the Single European Sky ATM Research 3 Joint Undertaking should be **able to support the actions meant** to strengthen and further integrate the research and innovation capacity in Europe, **which in turn would help** to accelerate the digitalisation of the sector and **render** it more resilient and scalable to fluctuations in traffic. It should **contribute to strengthening**, through innovation, the competitiveness of manned and unmanned air transport and ATM services, to **supporting** economic **and social** recovery and growth. It should **support the development** and accelerate the market uptake of innovative solutions to establish the Single European Sky airspace as the most efficient and environmentally friendly sky to fly in the world.

Amendment

(83) Participation in the Single European Sky ATM Research 3 Joint Undertaking should be open to the widest possible range and representation of stakeholders from all member states and countries associated to Horizon Europe, including SMEs, **scientific experts and relevant civil society organisations including in the fields of environment and climate**, through different forms of participation. In particular, participation should ensure a proper balance between equipment

military and professional staff associations, and offer opportunities to SMEs, academia and research organisations. In view of identifying the most promising approaches and entities capable of pursuing them, the Commission launched a call for expression of interest for potential members. The Governing Board should be allowed to select associated members on the basis of the results of that call in order to provide for a swift expansion of the group of members.

manufacturers for both manned and unmanned aviation, airspace users, air navigation service providers, airports, military and professional staff associations, and offer opportunities to SMEs, academia and research organisations. In view of identifying the most promising approaches and entities capable of pursuing them, the Commission launched a call for expression of interest for potential members. The Governing Board should be allowed to select associated members on the basis of the results of that call in order to provide for a swift expansion of the group of members.

Amendment 64

Proposal for a regulation Recital 86

Text proposed by the Commission

(86) The EUROCONTROL Agency possesses an appropriate infrastructure and the necessary administrative, IT, communications and logistics support services. The Single European Sky ATM Research 3 Joint Undertaking should benefit from such infrastructure and services from EUROCONTROL. In this context, there are few potential synergies that could be gained from pooling administrative resources with other Joint Undertakings *through a common back office*. For this reason, the Single European Sky ATM Research 3 Joint Undertaking should opt out from the common back office functions established by this Regulation.

Amendment

(86) The EUROCONTROL Agency possesses an appropriate infrastructure and the necessary administrative, IT, communications and logistics support services. The Single European Sky ATM Research 3 Joint Undertaking should benefit from such infrastructure and services from EUROCONTROL. In this context, there are few potential synergies that could be gained from pooling administrative resources with other Joint Undertakings. For this reason, the Single European Sky ATM Research 3 Joint Undertaking should opt out from the common back office functions established by this Regulation.

Amendment 65

Proposal for a regulation Recital 88

Text proposed by the Commission

(88) In the context of the **European** Commission's priorities for 2019-2024 "A Europe fit for the digital age", "An economy that works for people" and the policy objectives set out in the context of its Communications on "Shaping Europe's digital future", Europe needs to develop the critical digital infrastructures based on 5G networks and build its technological capacities towards 6G with a time horizon 2030. In this context the Commission has emphasized the strategic importance of a European Partnership for Smart Networks and Services to provide secure connectivity-based services to consumers and businesses. Those priorities can be achieved by bringing together the key players, that is to say industry, academia and public authorities, under the umbrella of a European partnership that builds on the achievements of the 5G PPP initiative, which successfully developed 5G technology and standards.

Amendment

(88) In the context of the Commission's priorities for 2019-2024 "A Europe fit for the digital age", "An economy that works for people" and the policy objectives set out in the context of its Communications on "Shaping Europe's digital future", **and on "2030 Digital Compass: the European way for the Digital Decade"**, Europe needs to develop the critical digital infrastructures based on 5G networks and build its **knowledge base and** technological capacities towards 6G **and new relevant communication technologies** with a time horizon 2030. In this context the Commission has emphasized the strategic importance of a European Partnership for Smart Networks and Services to provide secure connectivity-based services to consumers and businesses. Those priorities can be achieved by bringing together the key players, that is to say industry, academia, **civil society organisations** and public authorities, under the umbrella of a European partnership that builds on the achievements of the 5G PPP initiative, which successfully developed 5G technology and standards.

Amendment 66

Proposal for a regulation
Recital 89

Text proposed by the Commission

(89) The Smart Networks and Services Joint Undertaking is designed to address policy issues in the field of digital infrastructure and to extend the technology scope of research and innovation for 6G networks. It should, with close involvement of member states, strengthen the response to Union policy and social needs regarding network energy efficiency, cybersecurity, technological sovereignty, privacy and ethics and will extend the

Amendment

(89) The Smart Networks and Services Joint Undertaking is designed to address policy issues in the field of digital infrastructure and to extend the technology scope of research and innovation for 6G **and other communication** networks. It should, with close involvement of member states, strengthen the response to Union policy and social needs regarding network energy efficiency, cybersecurity, technological sovereignty **and resilience**,

research and innovation scope from networks to cloud based service provisioning as well as components and devices enabling services for citizens and a broad range of economic sectors such as health care, transport, manufacturing and media.

privacy and ethics and will extend the research and innovation scope from networks to cloud based service provisioning as well as components and devices enabling services for citizens and a broad range of economic **and social** sectors such as health care, transport, manufacturing and media.

Amendment 67

Proposal for a regulation

Recital 91

Text proposed by the Commission

(91) Advanced 5G infrastructures **will** be the basis for developing the ecosystems for the digital and green transitions and, in the next step, for Europe's position to adopt 6G technology. The Connecting Europe Facility (CEF) 2 Digital programme as well as the Digital Europe Programme and InvestEU offer opportunities for the development of 5G and later 6G-based digital ecosystems. Taking into account the broad set of public and private stakeholders involved in such deployment projects, it is essential to **coordinate** the setting up of a strategic agenda, the contribution to the programming, as well as stakeholder information and engagement related to such programmes. As a strategic basis for those tasks, the Smart Networks and Services Joint Undertaking should coordinate the development of Strategic Deployment Agendas for the relevant areas of deployment, such as 5G systems along roads and along railways. Those agendas should inter alia set out deployment roadmaps, the main options for cooperation models and other strategic issues.

Amendment

(91) Advanced 5G infrastructures **can** be the basis for developing the ecosystems for the digital and green transitions and, in the next step, for Europe's position to adopt 6G technology **in a transparent and open way, as creating global and compatible 6G standards would reduce costs, create more efficient digital supply chains and enhance innovation**. The Connecting Europe Facility (CEF) 2 Digital programme as well as the Digital Europe Programme and InvestEU offer opportunities for the development of 5G and later 6G-based digital ecosystems. Taking into account the broad set of public and private stakeholders involved in such deployment projects, it is essential to **facilitate** the setting up of a strategic agenda, the contribution to the programming, as well as stakeholder information and engagement related to such programmes. As a strategic basis for those tasks, the Smart Networks and Services Joint Undertaking should coordinate the development of Strategic Deployment Agendas for the relevant areas of deployment, such as 5G systems along roads and along railways. Those agendas should inter alia set out deployment roadmaps, **technology recommendations**, the main options for cooperation models and other strategic issues.

Amendment 68

Proposal for a regulation Article 1 – paragraph 1

Text proposed by the Commission

This Regulation sets up nine joint undertakings within the meaning of Article 187 of the Treaty on the Functioning of the European Union for the implementation of institutionalised European partnerships defined in [Article 2(3)] and referred to in point [(c)] of [Article 8(1)] of the Horizon Europe Regulation. It determines their objectives and tasks, membership, organisation and other operating rules.

Amendment

This Regulation sets up nine joint undertakings within the meaning of Article 187 of the Treaty on the Functioning of the European Union for the implementation of institutionalised European partnerships defined in [Article 2(3)] and referred to in point [(c)] of [Article 8(1)] of ***and Annex III to*** the Horizon Europe Regulation. It determines their objectives and tasks, membership, organisation and other operating rules, ***including on transparency and accountability.***

Amendment 69

Proposal for a regulation Article 2 – paragraph 1 – point 6 a (new)

Text proposed by the Commission

Amendment

6a. 'affiliated entities' means the entities defined in Article 187(1) of the Financial Regulation;

Amendment 70

Proposal for a regulation Article 2 – paragraph 1 – point 9

Text proposed by the Commission

Amendment

9. 'additional activity' means an activity ***outside*** the main part of the work programme that does not receive financial support from the joint undertaking but contributes to its objectives and is directly linked to the uptake of results from projects under that joint undertaking or its preceding initiatives or has a significant Union added-value;

9. 'additional activity' means an activity ***that is included in the annual plan for additional activities annexed to*** the main part of the work programme, ***and*** that does not receive financial support from the joint undertaking but ***directly*** contributes to its objectives and is directly linked to the uptake of results from projects under that joint undertaking or its preceding initiatives or has a significant Union

added-value *and contributes to policies of the Union*;

Amendment 71

Proposal for a regulation

Article 4 – paragraph 1

Text proposed by the Commission

1. The joint undertakings referred to in Article 3 shall contribute to the general objectives of the Horizon Europe Regulation *as* set out in [Article 3] thereof.

Amendment

1. The joint undertakings referred to in Article 3 shall contribute to the general *and specific* objectives of the Horizon Europe Regulation set out in [Article 3] thereof.

Amendment 72

Proposal for a regulation

Article 4 – paragraph 2 – introductory part

Text proposed by the Commission

2. The joint undertakings shall, *through the involvement and commitment of partners in designing and implementing a programme of research and innovation activities*, deliver on the following general objectives:

Amendment

2. The joint undertakings shall deliver on the following general objectives:

Amendment 73

Proposal for a regulation

Article 4 – paragraph 2 – point a

Text proposed by the Commission

(a) strengthening and integrating *the Union's* scientific and technological capacities to support the creation and diffusion of high-quality new knowledge notably with a view to deliver on global challenges, securing Union competitiveness, sustainability and contributing to *the* reinforced European Research Area;

Amendment

(a) strengthening and integrating scientific, *innovation* and technological capacities *of the Union, the Member States and regions*, to support the creation and diffusion of high-quality new knowledge notably with a view to deliver on global *societal* challenges, securing *and enhancing* Union competitiveness, *European added value, resilience and* sustainability and contributing to *a*

reinforced European Research Area;

Amendment 74

Proposal for a regulation

Article 4 – paragraph 2 – point b

Text proposed by the Commission

(b) securing sustainability-driven global leadership of Union value chains and Union **open** strategic autonomy in key technologies and industries in line with the industrial strategy for Europe;

Amendment

(b) securing sustainability-driven global leadership **and resilience** of Union value chains and **safeguarding** Union strategic autonomy, **while preserving an open economy**, in key technologies and industries in line with the industrial **and SME** strategy for Europe, **the European Green Deal, other Union policies and the European Recovery Plan**;

Amendment 75

Proposal for a regulation

Article 4 – paragraph 2 – point c

Text proposed by the Commission

(c) **develop and accelerate** the uptake of innovative solutions throughout the Union addressing climate, environmental, health and other global societal challenges contributing to Union strategic priorities, **in particular to reach the United Nations Sustainable Development Goals** and **achieve** climate neutrality in the Union by 2050.

Amendment

(c) **developing and accelerating** the uptake of innovative solutions throughout the Union addressing climate, environmental, health, **digital** and other global societal challenges contributing to Union strategic priorities, **accelerating the economic growth of the Union and fostering the innovation ecosystem, while reaching the UN SDGs and achieving** climate neutrality in the Union by 2050 **at the latest, in line with the Paris Agreement**.

Amendment 76

Proposal for a regulation

Article 4 – paragraph 3 – point a

Text proposed by the Commission

(a) enhance the critical mass and scientific capabilities in cross-sectoral and

Amendment

(a) enhance the critical mass and scientific **and technological** capabilities in

interdisciplinary research and innovation across the Union;

collaborative, cross-sectoral and interdisciplinary research and innovation across the Union;

Amendment 77

Proposal for a regulation Article 4 – paragraph 3 – point b

Text proposed by the Commission

(b) accelerate *social, ecological and economic transitions* in areas and sectors of strategic importance for Union priorities, in particular to reduce greenhouse gas emissions by 2030 in accordance with the targets set in line with the European Green Deal;

Amendment

(b) accelerate the *green and digital transition* in areas and sectors of strategic importance for Union priorities, in particular to reduce greenhouse gas emissions by 2030 in accordance with the *climate and energy* targets set in line with the European Green Deal *and the European Climate law, as well as to contribute to a zero-pollution and toxic-free environment while preserving and restoring ecosystems and biodiversity*;

Amendment 78

Proposal for a regulation Article 4 – paragraph 3 – point c

Text proposed by the Commission

(c) enhance the innovation capabilities and performance of existing and new European *research and innovation* value chains, including in *small and medium-sized enterprises* (SME);

Amendment

(c) enhance the *research and* innovation capabilities and performance of existing and new European *ecosystems and* value chains, including in *SME and start-ups*;

Amendment 79

Proposal for a regulation Article 4 – paragraph 3 – point d

Text proposed by the Commission

(d) accelerate the deployment, uptake and diffusion of innovative solutions, in reinforced European research and innovation ecosystems, including through

Amendment

(d) accelerate the deployment, uptake and diffusion of innovative solutions, *technologies, services and skills* in reinforced European research and

wide and early engagement and co-creation with end-users, citizen and regulatory and standardisation bodies;

innovation **and industrial** ecosystems **and ultimately in society**, including through wide and early engagement and co-creation with end-users, **including SMEs, start-ups, consumer organisations**, citizen and regulatory and standardisation bodies;

Amendment 80

Proposal for a regulation

Article 4 – paragraph 3 – point d a (new)

Text proposed by the Commission

Amendment

(da) contribute to reducing the specific skills gap across the Union by raising awareness and assisting in the building of new knowledge and human capital with reference to their domains of research; contribute to accelerating upskilling and reskilling of European workers and the participation of SMEs in the industrial ecosystems linked to the operations of the joint undertakings; facilitate the integration of relevant scientific and innovation competences across the Union into European research and innovation (R&I) ecosystems and value chains;

Amendment 81

Proposal for a regulation

Article 4 – paragraph 3 – point e

Text proposed by the Commission

Amendment

(e) deliver environmental and productivity improvements in new products and services **thanks to a harnessing of** Union capabilities and resources.

(e) deliver environmental, **energy and resource saving, sustainable, societal** and productivity, **circularity** improvements in new products, **technologies, applications** and services **by interconnecting and fully using** Union capabilities and resources.

Amendment 82

Proposal for a regulation

Article 4 – paragraph 3 – point e a (new)

Text proposed by the Commission

Amendment

(ea) contribute to bridging the gender gap in the science, technology, engineering and mathematics (STEM) fields in Europe as well as to mainstream gender in research outcomes developed by European partnerships, thus achieving a better alignment of European partnerships with the gender equality objectives;

Amendment 83

**Proposal for a regulation
Article 4 – paragraph 3 – point e b (new)**

Text proposed by the Commission

Amendment

(eb) seek for possibilities to inform students who might wish to pursue a career in the science, technology, engineering and mathematics and in other areas related to the operational activities of the joint undertakings;

Amendment 84

**Proposal for a regulation
Article 4 – paragraph 4 a (new)**

Text proposed by the Commission

Amendment

4a. In carrying out their research activities, the joint undertakings shall seek synergies with European Structural and Investment Funds, other Horizon Europe initiatives as well as all research, innovation and competitiveness-related Union programmes. In addition to that, the joint undertakings shall operate in close collaboration with the Commission's Joint Research Centre in their respective scientific domains.

Amendment 85

Proposal for a regulation

Article 5 – paragraph 1 – point a

Text proposed by the Commission

(a) reinforce and spread excellence, including by fostering wider participation throughout the Union;

Amendment

(a) reinforce and spread excellence, including by fostering wider participation **and geographical diversity** throughout the Union, **including participation from Member States that are currently considered modest and moderate innovators according to the European Innovation Scoreboard**;

Amendment 86

Proposal for a regulation

Article 5 – paragraph 1 – point a a (new)

Text proposed by the Commission

Amendment

(aa) promote and reward scientific excellence, including by making sure that state-of-the-art science and fundamental research findings are considered in the implementation of the activities;

Amendment 87

Proposal for a regulation

Article 5 – paragraph 1 – point c

Text proposed by the Commission

(c) reinforce the link between research, innovation, and where appropriate, education and other policies, including complementarities with national and regional and Union research and innovation policies and activities;

Amendment

(c) reinforce the link between research, innovation, and where appropriate, **gender equality**, education and other policies, including complementarities with national and regional and Union **skills**, research and innovation policies and activities;

Amendment 88

Proposal for a regulation

Article 5 – paragraph 1 – point c a (new)

Text proposed by the Commission

Amendment

(ca) promoting responsible research and innovation, taking into account the precautionary principle;

Amendment 89

Proposal for a regulation

Article 5 – paragraph 1 – point c b (new)

Text proposed by the Commission

Amendment

(cb) strengthening the gender dimension in research and innovation, including across the joint undertakings;

Amendment 90

Proposal for a regulation

Article 5 – paragraph 1 – point e

Text proposed by the Commission

Amendment

(e) strengthen international cooperation;

(e) strengthen international cooperation, in line with the external policy objectives and international commitments of the Union and promoting European competitiveness and industrial leadership, while respecting the Union's strategic autonomy but preserving an open economy;

Amendment 91

Proposal for a regulation

Article 5 – paragraph 1 – point f

Text proposed by the Commission

Amendment

(f) increase public awareness, acceptance, demand and uptake of new solutions by involving citizens and end-users in co-design and co-creation processes;

(f) increase public awareness, acceptance, demand and uptake of new solutions by involving citizens, *civil society organisations*, *consumer organisations* and end-users *including SMEs and start-ups* in co-design and co-

creation processes;

Amendment 92

Proposal for a regulation

Article 5 – paragraph 1 – point g

Text proposed by the Commission

(g) encourage *exploitation* of research and innovation results and *actively disseminate and exploit results, in particular for leveraging private investments and* policy development;

Amendment

(g) encourage *the active dissemination, the use* of research and innovation results *and their exploitation, including for* policy development, *through standardisation, procurement of innovative solutions and pre-commercial procurements, aiming to accelerate the market deployment process of the research outcomes and deliverables in their respective research domains;*

Amendment 93

Proposal for a regulation

Article 5 – paragraph 1 – point h

Text proposed by the Commission

(h) accelerate industrial transformation, including through improved skills for innovation;

Amendment

(h) accelerate industrial transformation, *and resilience across the value chains*, including through improved skills for innovation;

Amendment 94

Proposal for a regulation

Article 5 – paragraph 1 – point h a (new)

Text proposed by the Commission

Amendment

(ha) raise the skills and experience level across the Union among students, academics and experts, encouraging the development of specific university degrees and educational programmes in the different areas, paying special attention to gender perspectives and ensuring the widest geographical coverage in the

Union;

Amendment 95

Proposal for a regulation

Article 5 – paragraph 1 – point i

Text proposed by the Commission

(i) support the evidence-based implementation of related Union policies, as well as regulatory, standardisation and sustainable investment activities at European and global levels.

Amendment

(i) support the **scientific** evidence-based implementation of related Union policies, as well as regulatory, standardisation and sustainable investment activities at **national**, European and global levels.

Amendment 96

Proposal for a regulation

Article 5 – paragraph 2 – point a

Text proposed by the Commission

(a) provide financial support, mainly in the form of grants, to research and innovation indirect actions, selected following open and competitive calls, **unless otherwise** specified in their work programme;

Amendment

(a) provide financial support, mainly in the form of grants, to research and innovation indirect actions, selected following open, **fair, transparent** and competitive calls, **except in justified cases to be** specified in their work programme;

Amendment 97

Proposal for a regulation

Article 5 – paragraph 2 – point b

Text proposed by the Commission

(b) develop close cooperation and ensure coordination with other European partnerships, including by dedicating, where appropriate, a part of the joint undertaking's budget to joint calls;

Amendment

(b) develop close cooperation and ensure coordination **and synergies** with other European partnerships, including by dedicating, where appropriate, a part of the joint undertaking's budget to joint calls;

Amendment 98

Proposal for a regulation

Article 5 – paragraph 2 – point c

Text proposed by the Commission

(c) seek synergies with and, where appropriate, possibilities for further funding from relevant activities and programmes at Union, national, and regional level, in particular with those supporting the deployment of innovative solutions, education and regional development, such as Cohesion policy funds in line with smart specialisation strategies;

Amendment

(c) seek ***and ensure effective*** synergies with and, where appropriate, possibilities for further funding from relevant activities and programmes at Union, national, and regional level, in particular with those supporting the deployment ***and market uptake*** of innovative solutions, ***training*** education and regional development, such as Cohesion policy funds in line with smart specialisation strategies, ***as well as with the European financial institutions such as the European Bank for Reconstruction and Development and the European Investment Bank, and with relevant industrial alliances and charitable foundations and trusts;***

Amendment 99

Proposal for a regulation

Article 5 – paragraph 2 – point c a (new)

Text proposed by the Commission

Amendment

(ca) reinforce the link between research, innovation and the actions envisaged in the Commission Communication of 1 July 2020 entitled ‘European Skills Agenda for sustainable competitiveness, social fairness and resilience’ (the ‘European Skills Agenda’), especially those aiming at developing skills to support the green and the digital transition and at increasing the number of graduates in STEM subjects, especially in the industrial ecosystems linked to the operations of the joint undertakings;

Amendment 100

Proposal for a regulation

Article 5 – paragraph 2 – point d

Text proposed by the Commission

(d) ensure their operations contribute towards the strategic multiannual planning, reporting, monitoring and evaluation and other requirements of Horizon Europe set out in [Articles 45 and 47] of the Horizon Europe Regulation, such as, the implementation of the common policy feedback framework;

Amendment

(d) ensure their operations contribute towards the strategic multiannual planning, reporting, monitoring and evaluation, ***without increasing their own administrative burden or that of their beneficiaries***, and other requirements of Horizon Europe set out in [Articles 45 and 47] of the Horizon Europe Regulation, such as, the implementation of the common policy feedback framework;

Amendment 101

Proposal for a regulation

Article 5 – paragraph 2 – point e

Text proposed by the Commission

(e) promote the involvement of SMEs ***in*** their activities and ***take measures ensuring*** information to SMEs, in line with the objectives of Horizon Europe;

Amendment

(e) promote ***and ensure*** the involvement of SMEs ***and start-ups, and*** their ***associations, in the joint undertakings'*** activities and ***ensure timely*** information to SMEs ***and start-ups***, in line with the objectives of Horizon Europe; ***where appropriate, identify calls where a coordinating role is reserved for SMEs or start-ups;***

Amendment 102

Proposal for a regulation

Article 5 – paragraph 2 – point e a (new)

Text proposed by the Commission

Amendment

(ea) develop measures to attract newcomers, including SMEs to research and innovation activities of the joint undertakings and to expand collaborative networks as well as foster better linking of existing national research and innovation ecosystems and networks among each other and towards the European level;

Amendment 103

Proposal for a regulation Article 5 – paragraph 2 – point e b (new)

Text proposed by the Commission

Amendment

(eb) promote and ensure the involvement of young researchers, PhD and postdoctoral students in the activities of the relevant joint undertaking, in close synergy with the Marie Skłodowska-Curie Actions;

Amendment 104

Proposal for a regulation Article 5 – paragraph 2 – point f

Text proposed by the Commission

Amendment

(f) mobilise the public and private sector resources needed to achieve the objectives set out in this Regulation;

(f) mobilise the public and private sector resources, ***as well as additional ones where possible, that are*** needed to achieve the objectives set out in this Regulation;

Amendment 105

Proposal for a regulation Article 5 – paragraph 2 – point g

Text proposed by the Commission

Amendment

(g) monitor progress towards the achievement of the objectives set out in this Regulation as well as according to those set out in [Article 45] and [***Annex V***] ***of*** the Horizon Europe Regulation;

(g) monitor progress towards the achievement of the objectives set out in this Regulation as well as according to those set out in [Article 45] ***of*** and [***Annexes III and V***] ***to*** the Horizon Europe Regulation;

Amendment 106

Proposal for a regulation Article 5 – paragraph 2 – point h

Text proposed by the Commission

(h) define and implement their work programme;

Amendment

(h) ***develop and implement a strategic research and innovation agenda on which basis they*** define and implement their work programme;

Amendment 107

Proposal for a regulation

Article 5 – paragraph 2 – point i

Text proposed by the Commission

(i) liaise with the most extensive range of stakeholders including, but not limited to, decentralised agencies, research organisations and universities, end users and public authorities, in particular for the purpose of defining the priorities and activities of each initiative as well as to ensure inclusiveness;

Amendment

(i) liaise with the most extensive range of stakeholders including, but not limited to, decentralised agencies, research organisations and universities, ***civil society organisations***, end users, ***SME associations*** and public authorities, in particular for the purpose of defining the priorities and activities of each initiative as well as to ensure inclusiveness, ***openness, and societal added value***;

Amendment 108

Proposal for a regulation

Article 5 – paragraph 2 – point j

Text proposed by the Commission

(j) engage in information, communication, publicity and dissemination and exploitation activities by applying *mutatis mutandis* [Article 46] of the Horizon Europe Regulation, including making the detailed information on results from funded research and innovation activities available and accessible in a common Horizon Europe e-database;

Amendment

(j) engage in information, communication, publicity and dissemination and exploitation activities by applying ***Articles 10 and 39 of this Regulation and mutatis mutandis*** [Article 46] of the Horizon Europe Regulation, including ***by*** making the detailed information on results from funded research and innovation activities available ***to the general public*** and accessible in a common Horizon Europe e-database ***in a user-friendly way***;

Amendment 109

Proposal for a regulation

Article 5 – paragraph 2 – point j a (new)

Text proposed by the Commission

Amendment

(ja) promote awareness raising campaigns, educational and dissemination activities, with the involvement of academic, scientific and knowledge networks, provide appropriate information on their respective websites, including the publication of relevant documentation;

Amendment 110

Proposal for a regulation

Article 5 – paragraph 2 – point l

Text proposed by the Commission

Amendment

(l) contribute to developing a more effective science-policy interface, to fostering open science ***by ensuring better exploitation of results*** and to addressing policy needs, as well as to promoting faster dissemination and uptake of results;

(l) contribute to developing a more effective science-policy interface, to fostering open science ***and respect its principles as set out in Articles 14 and 39 of the Horizon Europe Regulation***, and to addressing policy needs, as well as to promoting faster ***exploitation and increased visibility as set out in Article 51(1) of the Horizon Europe Regulation***; ***the joint undertakings shall lay out strict rules for derogations from the open access requirements set out in the Horizon Europe Regulation and the Commission shall monitor the practices related to open access and any exemption should be listed transparently on the relevant websites.***

Amendment 111

Proposal for a regulation

Article 5 – paragraph 2 – point n

Text proposed by the Commission

(n) support the Commission in the development and implementation of a robust science-based Technical Screening criteria pursuant to Article 3 of the Regulation (EU) 2020/852 ***on sustainable investments, by monitoring, and assessing its implementation within the economic sector they operate, in order to provide ‘ad hoc’ feedback to policy making, when needed;***

Amendment

(n) support the Commission in the development and implementation of a robust science-based Technical Screening criteria pursuant to Article 3 of the Regulation (EU) 2020/852 ***where the activities of the joint undertakings falls within the scope of this Regulation ;***

Amendment 112

Proposal for a regulation Article 5 – paragraph 2 – point o

Text proposed by the Commission

(o) consider the ‘Do No Significant Harm Principle’ pursuant to Article 17 of Regulation (EU) 2020/852 and take into account the provisions of that Regulation to improve access to sustainable finance, where relevant;

Amendment

(o) consider the ‘Do No Significant Harm Principle’ pursuant to Article 17 of Regulation (EU) 2020/852 ***for activities of the joint undertakings falling within the scope of that Regulation*** and take into account the provisions of that Regulation to improve access to sustainable finance, where relevant;

Amendment 113

Proposal for a regulation Article 5 – paragraph 2 a (new)

Text proposed by the Commission

Amendment

2a. For the purpose of implementing paragraph 2, point (c), the Commission shall develop clear, simple and concrete guidelines on the implementation of the different types of synergies by the joint undertakings, such as transfer of resources, alternative funding, cumulative funding and integrated funding.

Amendment 114

Proposal for a regulation Article 7 – paragraph 1

Text proposed by the Commission

1. Joint undertakings **may** launch **an** open **call** for expression of interest in view of selecting associated members. The call for expression of interest shall set out the key capacities needed **in order** to achieve the objectives of the joint undertaking. All calls shall be published on the joint undertaking's website and communicated through all appropriate channels, including, where applicable, the states' representatives group, in order to ensure the widest possible participation in the interest of achieving the objectives of the joint undertaking.

Amendment

1. Joint undertakings **shall** launch open, **fair and transparent calls** for expression of interest in view of selecting associated members **while contributing to increasing geographical diversity**. The call for expression of interest shall **be carried out in an open and transparent manner and shall** set out the key capacities **and in-kind and financial contributions' expectations**, needed to achieve the objectives of the joint undertaking. All calls shall be published on the joint undertaking's website and communicated through all appropriate channels, including, where applicable, the states' representatives group, in order to ensure the widest possible participation in the interest of achieving the objectives of the joint undertaking.

Amendment 115

Proposal for a regulation Article 7 – paragraph 2

Text proposed by the Commission

2. The **executive director** shall assess the applications for membership with the assistance of independent experts and, where appropriate, of relevant bodies of the joint undertaking, on the basis of documented knowledge, experience and potential added value of the applicant in achieving the objectives of the joint undertaking, the applicant's financial soundness and long-term commitment for financial and in-kind contributions to the joint undertaking, and taking into account potential conflicts of interest.

Amendment

2. The **Governing Board** shall assess the applications for membership with the assistance of independent experts and, where appropriate, of relevant bodies of the joint undertaking **including the Scientific Advisory Board**, on the basis of documented knowledge, experience and potential added value of the applicant in achieving the objectives of the joint undertaking, the applicant's financial soundness and long-term commitment for financial and in-kind contributions to the joint undertaking, and taking into account potential conflicts of interest.

Amendment 116

Proposal for a regulation Article 7 – paragraph 2 a (new)

Text proposed by the Commission

Amendment

2a. The membership of any legal entity established in a country associated to the Horizon Europe Programme shall not lead to additional burden on the founding and associated members of the joint undertaking.

Amendment 117

Proposal for a regulation Article 7 – paragraph 3

Text proposed by the Commission

Amendment

3. The governing board shall assess and **where appropriate** approve applications for membership.

3. The governing board shall assess and approve **or reject** applications for membership.

Amendment 118

Proposal for a regulation Article 7 – paragraph 4

Text proposed by the Commission

Amendment

4. A letter of commitment shall be signed between the selected associated members and the executive director, acting as representative of the joint undertaking, which shall detail the scope of the membership in terms of content, activities and duration, the associated members' contribution to the joint undertaking, including an indication of the envisaged additional activities referred to in point (b) of Article 11(1), as well as provisions relating to the associated member's representation and voting rights within the governing board.

4. A letter of commitment shall be signed between the selected associated members and the executive director, acting as representative of the joint undertaking, which shall detail the scope of the membership in terms of content, activities and duration, **of** the associated members' contribution **both financial and in-kind**, to the joint undertaking, including an indication of the envisaged additional activities referred to in point (b) of Article 11(1), as well as provisions relating to the associated member's representation and voting rights within the governing board. **Letters of commitments of the selected associated members shall be made**

publicly available on the website of the relevant joint undertaking, making sure that confidentiality rules are respected.

Amendment 119

Proposal for a regulation Article 8 – paragraph 2

Text proposed by the Commission

2. Each member shall inform the joint undertaking of any merger or acquisition between members likely to affect the joint undertaking or any takeover of a member by an entity that is not a member of the joint undertaking.

Amendment

2. Each member ***without undue delay*** shall inform the joint undertaking of any merger or acquisition between members likely to affect the joint undertaking or any takeover of a member by an entity that is not a member of the joint undertaking.

Amendment 120

Proposal for a regulation Article 8 – paragraph 4

Text proposed by the Commission

4. Each private member shall inform the joint undertaking of any other significant changes in its ownership, control or composition. Where the Commission considers that the change is likely to affect the Union's or the joint undertaking's interest on grounds of security or public order, it may propose to the governing board to terminate the membership of the concerned private member. The governing board shall decide on a termination of the membership of the member concerned. The private member concerned shall not participate in the vote of the governing board.

Amendment

4. Each private member shall inform the joint undertaking ***without undue delay*** of any other significant changes in its ownership, control or composition. Where the Commission considers that the change is likely to affect the Union's or the joint undertaking's interest on grounds of security or public order, it may propose to the governing board to terminate the membership of the concerned private member. The governing board shall decide on a termination of the membership of the member concerned. The private member concerned shall not participate in the vote of the governing board.

Amendment 121

Proposal for a regulation Article 9 – paragraph 1

Text proposed by the Commission

1. Any candidate contributing partner as defined in Article 2(7) shall submit a letter of endorsement to the governing board. The letter of endorsement shall specify the scope of the partnership in terms of subject matter, activities and duration and detail the applicant's contribution to the joint undertaking.

Amendment

1. Any candidate contributing partner as defined in Article 2(7) shall submit a letter of endorsement to the governing board. The letter of endorsement shall specify the scope of the partnership in terms of subject matter, activities and duration and detail the applicant's contribution to the joint undertaking. ***The letter of endorsement shall be made publicly available on the website of the relevant joint undertaking, making sure that confidentiality rules are respected.***

Amendment 122

**Proposal for a regulation
Article 9 – paragraph 2**

Text proposed by the Commission

2. The governing board shall assess the letter of endorsement and shall approve or reject the application.

Amendment

2. The governing board shall assess the letter of endorsement and ***shall take into account the scientific advice of the bodies of the joint undertakings, as well as any potential conflict of interest and*** shall approve or reject the application.

Amendment 123

**Proposal for a regulation
Article 10 – paragraph 1**

Text proposed by the Commission

1. The Union financial contribution to the joint undertakings, including EFTA appropriations, shall cover administrative and operational costs up to the maximum amounts specified in Part Two. The Union contribution specified in Part Two ***may*** be increased with contributions from third countries ***if*** the latter ***are*** available.

Amendment

1. The Union financial contribution to the joint undertakings, including EFTA appropriations, shall cover administrative and operational costs up to the maximum amounts specified in Part Two ***provided that the amount is at least matched by the contribution of members other than the Union, or its constituent or affiliated entities.*** The Union contribution specified in Part Two ***shall*** be increased with contributions from third countries, ***when***

the latter *become* available, *in accordance with Article 16(5) of the Horizon Europe Regulation.*

Amendment 124

Proposal for a regulation Article 10 – paragraph 2 a (new)

Text proposed by the Commission

Amendment

2a. The Union financial contribution referred to in paragraph 2 of this Article may be supplemented by allocations from the European Union Recovery Instrument, in accordance with Article 13 of the Horizon Europe Regulation, and fines, in accordance with Article 5 of the MFF Regulation. That contribution may also be supplemented by decommitments, as provided for in Article 15(3) of the Financial Regulation. The Union contribution shall be adjusted to reflect contributions from associated countries. Any additional Union contribution shall be matched by contributions from members other than the Union. Contributions from the Union and the members other than the Union need to be balanced.

Amendment 125

Proposal for a regulation Article 10 – paragraph 2 b (new)

Text proposed by the Commission

Amendment

2b. Additional contributions from the Union pursuant to Article 13 of Horizon Europe Regulation, Article 5 of the MFF Regulation and Article 15(3) of the Financial Regulation, shall be distributed within clusters of Pillar 2 of Horizon Europe in a fair way, taking into account the research priorities of the Union as well as its policy goals. The fair distribution shall especially take into

account joint undertakings operating in sectors which have suffered most during the COVID-19 pandemic and which are most crucial to achieve Union targets and socio-economic recovery.

Amendment 126

Proposal for a regulation Article 10 – paragraph 5 a (new)

Text proposed by the Commission

Amendment

5a. Financial contributions under programmes co-financed by the ERDF, the ESF+, the EMFAF and the EAFRD, as well by the Recovery and Resilience Facility, may be considered to be a contribution of a participating state to a joint undertaking, provided that the relevant provisions of the Common Provisions Regulation and the fund-specific regulations are complied with. The Commission shall develop simple and practical guidelines in order to clarify what constitutes a financial contribution of a participating state to a joint undertaking.

Amendment 127

Proposal for a regulation Article 11 – paragraph 2

Text proposed by the Commission

Amendment

2. Unless specified otherwise in Part Two, the private members shall report by **31 March** each year to their respective governing board on the value of the contributions referred to in point (b) of paragraph 1 made in **each of** the previous financial **years**. For the purpose of valuing these contributions, the costs shall be determined in accordance with the usual cost accounting practices of the entities concerned, to the applicable accounting standards of the country where the entity is

2. Unless specified otherwise in Part Two, the private members shall report by **30 June of** each year to their respective governing board on the value of the contributions referred to in point (b) of paragraph 1 made in the previous financial **year**. For the purpose of valuing these contributions, the costs shall be determined in accordance with the usual cost accounting practices of the entities concerned, to the applicable accounting standards of the country where the entity is

established, and to the applicable International Accounting Standards and International Financial Reporting Standards. The costs shall be certified by an independent external auditor appointed by the entity concerned. The valuation method may be verified by the joint undertaking concerned should there be any uncertainty arising from the certification. In duly specified cases, the governing board may authorise the use of lump-sums or unit costs for valuing the contributions.

established, and to the applicable International Accounting Standards and International Financial Reporting Standards. The costs ***shall not be audited by the joint undertaking concerned or any Union body, but they*** shall be certified by an independent external auditor appointed by the entity concerned. The valuation method may be verified by the joint undertaking concerned should there be any uncertainty arising from the certification. In duly specified cases, the governing board may authorise the use of lump-sums or unit costs for valuing the contributions.

Amendment 128

Proposal for a regulation Article 11 – paragraph 3

Text proposed by the Commission

3. For the purposes of this Regulation, the costs incurred in additional activities shall not be audited by the joint undertaking concerned or any Union body.

Amendment

deleted

Amendment 129

Proposal for a regulation Article 11 – paragraph 7 – introductory part

Text proposed by the Commission

7. The Commission may terminate, proportionally reduce or suspend the Union financial contribution to a joint undertaking or trigger the winding up procedure referred to in Article 43 in any of the following cases:

Amendment

7. The Commission may, ***after having activated the Mutual Insurance Mechanism provided for in Article 37(7) of the Horizon Europe Regulation,*** terminate, proportionally reduce or suspend the Union financial contribution to a joint undertaking or trigger the winding up procedure referred to in Article 43 in any of the following cases:

Amendment 130

Proposal for a regulation
Article 11 – paragraph 9 a (new)

Text proposed by the Commission

Amendment

9a. The European Parliament shall be informed about any changes to the Union financial contributions.

Amendment 131

Proposal for a regulation
Article 11 a (new)

Text proposed by the Commission

Amendment

Article 11a

Prior to the adoption of the work programme, each participating state shall make an indicative commitment of the amount of their national financial contributions to the joint undertaking, where relevant.

In addition to criteria set out in Article 22 of the Horizon Europe Regulation, the work programme may include, as an annex, eligibility criteria regarding national legal entities.

Each participating state shall entrust the joint undertaking with the evaluation of the proposals in accordance with the Horizon Europe rules and criteria.

The selection of proposals shall be based on the ranking list provided by the evaluation committee. The governing board may deviate from that list in duly justified cases, in particular to ensure the overall consistency of the portfolio approach.

Amendment 132

Proposal for a regulation

Article 12 – paragraph 1 – introductory part

Text proposed by the Commission

1. Joint undertakings **shall, within one year following the adoption of this Regulation, conclude service level agreements on** common back office functions, unless specified otherwise in Part Two and subject to the need to guarantee an equivalent level of protection of the Union’s financial interest when entrusting budgetary implementation tasks to joint undertakings. Such functions **shall** include the following areas, subject to confirmation of viability and following screening of resources:

Amendment

1. Joint undertakings **may operate** common back office functions **by concluding service level agreements**, unless specified otherwise in Part Two and subject to the need to guarantee an equivalent level of protection of the Union’s financial interest when entrusting budgetary implementation tasks to joint undertakings. Such functions **may** include the following areas, subject to confirmation of viability and following screening of resources **and without prejudice to the specific research areas of the joint undertakings**:

Amendment 133

Proposal for a regulation

Article 12 – paragraph 1 – point g a (new)

Text proposed by the Commission

Amendment

(ga) foster the exchange of best practices among the joint undertakings.

Amendment 134

Proposal for a regulation

Article 12 – paragraph 2

Text proposed by the Commission

Amendment

2. The common back office functions referred to in paragraph 1 **shall** be provided by one or more selected joint undertakings to all others. Interrelated functions shall be kept within the same joint undertaking in order to ensure a coherent organisational structure.

2. The common back office functions referred to in paragraph 1 **may** be provided by one or more selected joint undertakings to all others. Interrelated functions shall be kept within the same joint undertaking in order to ensure a coherent organisational structure.

Amendment 135

Proposal for a regulation

Article 12 – paragraph 4

Text proposed by the Commission

4. Without prejudice to the reassignment to other tasks within the joint undertaking, or to other administrative arrangements, which do not impact contracts of employment, staff assigned to **the functions transferred to the common back office, hosted by another** joint undertaking, may be transferred to that joint undertaking. Where a member of the staff concerned expresses his or her refusal in writing, the contract of that member of staff, may be terminated by the joint undertaking under the conditions referred to in Article 47 of the CEOS.

Amendment

4. Without prejudice to the reassignment to other tasks within the joint undertaking, or to other administrative arrangements, which do not impact contracts of employment, staff assigned to **common back office** functions, transferred to **one** joint undertaking, may be transferred to that joint undertaking. Where a member of the staff concerned expresses his or her refusal in writing, the contract of that member of staff, may be terminated by the joint undertaking under the conditions referred to in Article 47 of the CEOS.

Amendment 136

Proposal for a regulation Article 12 – paragraph 5

Text proposed by the Commission

5. Staff referred to in paragraph 4, who is transferred to the joint undertaking **hosting** the common **back office**, shall keep the same type of contract and function group and grade, and shall be deemed to have served their entire service in that joint undertaking.

Amendment

5. Staff referred to in paragraph 4, who is transferred to the joint undertaking **operating** the **specific** common **functions**, shall keep the same type of contract and function group and grade, and shall be deemed to have served their entire service in that joint undertaking.

Amendment 137

Proposal for a regulation Article 13 – paragraph 1

Text proposed by the Commission

1. Each joint undertaking shall have a governing board and an executive director.

Amendment

1. Each joint undertaking shall have a governing board and an executive director **and a body providing scientific advice in accordance with Article 19.**

Amendment 138

Proposal for a regulation Article 14 – paragraph 1 a (new)

Text proposed by the Commission

Amendment

1a. Best efforts shall be made for the membership of the Governing Boards to respect gender balance, and be geographically diverse as well as representing different sectors and backgrounds, depending on the members' situation in their respective fields of competence.

Amendment 139

Proposal for a regulation Article 15 – paragraph 3

Text proposed by the Commission

Amendment

3. The chairperson of the governing board shall be appointed on a rotating annual basis by the Union and by the other representatives, in turn, unless otherwise provided in Part Two.

3. The chairperson of the governing board shall be appointed ***from among its members*** on a rotating annual basis by the Union and by the other representatives, in turn, unless otherwise provided in Part Two.

Amendment 140

Proposal for a regulation Article 15 – paragraph 4

Text proposed by the Commission

Amendment

4. The governing board shall hold ordinary meetings at least twice a year. Extraordinary meetings may be convened at the request of the chairperson, of the executive director, of the Commission or of a majority of the representatives of the members other than the Union or of the participating states. The meetings of the governing board shall be convened by the chairperson and shall take place at the seat of the joint undertaking concerned, unless

4. The governing board shall hold ordinary meetings at least twice a year. Extraordinary meetings may be convened at the request of the chairperson, of the executive director, of the Commission or of a majority of the representatives of the members other than the Union or of the participating states. The meetings of the governing board shall be convened by the chairperson and shall take place at the seat of the joint undertaking concerned, unless

exceptionally decided otherwise by the governing board in duly justified cases.

exceptionally decided otherwise by the governing board in duly justified cases.
The list of participants, the agenda and meeting minutes shall be made publicly available in a timely manner on the respective website of the joint undertaking concerned.

Amendment 141

Proposal for a regulation Article 15 – paragraph 7

Text proposed by the Commission

7. Other persons, in particular representatives of other European partnerships, executive or regulatory agencies, regional authorities within the Union and European technology platforms may also be invited to attend by the chairperson as observers on a case-by-case basis subject to the rules on confidentiality and ***conflict*** of interest.

Amendment

7. Other persons, in particular representatives of other European partnerships, executive or regulatory agencies, ***Participating States representatives, national and*** regional authorities within the Union and European technology platforms may also be invited to attend by the chairperson as observers on a case-by-case basis subject to the rules on confidentiality and ***conflicts*** of interest.

Amendment 142

Proposal for a regulation Article 15 – paragraph 10

Text proposed by the Commission

10. The governing board shall adopt its own rules of procedure.

Amendment

10. The governing board shall adopt its own rules of procedure, ***including measures to avoid any conflict of interest in the decision-making process.***

Amendment 143

Proposal for a regulation Article 15 – paragraph 11

Text proposed by the Commission

11. The representatives of the members shall be bound by the provisions of a code

Amendment

11. The representatives of the members ***and observers*** shall be bound by the

of conduct. The code of conduct shall establish the obligations of such members to safeguard the integrity and reputation of the joint undertaking concerned and of the Union.

provisions of a code of conduct. The code of conduct shall establish the obligations of such members to safeguard the integrity and reputation of the joint undertaking concerned and of the Union.

Amendment 144

Proposal for a regulation

Article 16 – paragraph 1 – subparagraph 1

Text proposed by the Commission

The governing board of each joint undertaking shall have overall responsibility for the strategic orientation and the operations of that joint undertaking and shall supervise the implementation of its activities.

Amendment

The governing board of each joint undertaking shall have overall responsibility for the strategic orientation, ***coherence with overarching Union goals and policies*** and the operations of that joint undertaking and shall supervise the implementation of its activities.

Amendment 145

Proposal for a regulation

Article 16 – paragraph 1 – subparagraph 2

Text proposed by the Commission

The Commission, in its role in the governing board, shall seek to ensure coordination between the activities of the joint undertakings and the relevant activities of Union funding programmes with a view to promoting synergies and complementarities when identifying priorities covered by collaborative research.

Amendment

The Commission, in its role in the governing board, shall seek to ensure coordination between the activities of the joint undertakings and the relevant activities of Union funding programmes with a view to promoting synergies and complementarities ***while avoiding duplications*** when identifying priorities covered by collaborative research. ***The Commission shall ensure that joint undertakings have an appropriate mandate, operational guidelines and effective mechanisms to steer, manage and implement synergies with collaborative research topics and the resulting projects.***

Amendment 146

Proposal for a regulation
Article 16 – paragraph 2 – point a

Text proposed by the Commission

(a) ensure close and timely monitoring of the progress of the joint undertaking's research and innovation programme and individual actions in relation to the priorities of the *Commission* and the Strategic Research and Innovation Agenda and take corrective measures where needed to ensure that the joint undertaking meets its objectives;

Amendment

(a) ***take measures to ensure the implementation of the general, specific and operational objectives of the joint undertaking, assess their effectiveness and impact,*** ensure close and timely monitoring of the progress of the joint undertaking's research and innovation programme and individual actions in relation to the priorities of the ***overarching Union goals and policies*** and the Strategic Research and Innovation Agenda and take corrective measures where needed to ensure that the joint undertaking meets its objectives;

Amendment 147

Proposal for a regulation
Article 16 – paragraph 2 – point b

Text proposed by the Commission

(b) assess, accept or reject applications for membership in accordance with Article 7;

Amendment

(b) assess, accept or reject applications for membership in accordance with Article 7, ***taking into account the advice of the scientific advisory body in accordance with Article 19 and potential conflicts of interests;***

Amendment 148

Proposal for a regulation
Article 16 – paragraph 2 – point c

Text proposed by the Commission

(c) assess, accept or reject applications of prospective contributing partners in accordance with Article 9;

Amendment

(c) assess, accept or reject applications of prospective contributing partners in accordance with Article 9, ***taking into account the advice of the scientific advisory body in accordance with Article 19 and potential conflicts of interest;***

Amendment 149

Proposal for a regulation

Article 16 – paragraph 2 – point i

Text proposed by the Commission

(i) appoint, dismiss, extend the term of office, provide guidance and monitor the performance of the executive director;

Amendment

(i) appoint, ***based on an open and transparent procedure***, dismiss, extend the term of office, provide guidance and monitor the performance of the executive director ***in accordance with Article 17, including through the identification of a set of Key Performance Indicators to assess the executive director's performance***;

Amendment 150

Proposal for a regulation

Article 16 – paragraph 2 – point j

Text proposed by the Commission

(j) adopt the Strategic Research and Innovation Agenda at the beginning of the initiative and amend it throughout the duration of Horizon Europe, where necessary. The Strategic Research and Innovation Agenda shall identify the partnership's targeted impact, foreseen portfolio of activities, measurable expected outcomes, resources, deliverables, and milestones within a defined timeframe. It shall also identify the other European partnerships with which the joint undertaking shall establish a formal and regular collaboration and the possibilities for synergies between the joint undertaking's actions and national or regional initiatives and policies based on information received by the participating states or the states' representatives group as well as synergies with other Union programmes;

Amendment

(j) adopt the Strategic Research and Innovation Agenda at the beginning of the initiative and amend it throughout the duration of Horizon Europe, where necessary ***based on input of all partners, including the private sector, the scientific community, Member States representatives and civil society organisations active in the field of the relevant joint undertaking***. The Strategic Research and Innovation Agenda shall identify the partnership's targeted impact, foreseen portfolio of activities, measurable expected outcomes, resources, deliverables, and milestones within a defined timeframe. It shall also identify the other European partnerships with which the joint undertaking shall establish a formal and regular collaboration and the possibilities for synergies between the joint undertaking's actions and national or regional initiatives and policies based on information received by the participating states or the states' representatives group as well as synergies, ***along the guidelines***

provided by the Commission, with other Union programmes and policies, including the actions foreseen in the European Skills Agenda;

Amendment 151

Proposal for a regulation Article 16 – paragraph 2 – point k

Text proposed by the Commission

(k) adopt the work programme and corresponding expenditure estimates as proposed by the executive director to implement the Strategic Research and Innovation Agenda, including the administrative activities, the content of the calls for proposals, the research areas subject to joint calls and cooperation with other partnerships, the applicable funding rate per call topic, as well as the related rules for submission, evaluation, selection, award and review procedures, with particular attention to the feedback to policy requirements;

Amendment

(k) adopt the work programme and corresponding expenditure estimates as proposed by the executive director to implement the Strategic Research and Innovation Agenda, including the administrative activities, the content of the calls for proposals, ***strongly ensuring that a number of open calls cover also the lower range of Technology Readiness Level, the criteria to encourage participation on the basis of gender balance and geographical diversity***, the research areas subject to joint calls and cooperation with other partnerships ***and synergies with other Union programmes***, the applicable funding rate per call topic, as well as the related rules for submission, evaluation, selection, award and review procedures, ***including specific procedures for identifying and avoiding conflicts of interest, and*** with particular attention to the feedback to policy requirements;

Amendment 152

Proposal for a regulation Article 16 – paragraph 2 – point k a (new)

Text proposed by the Commission

Amendment

(ka) support the visibility and the openness of the activities of the joint undertakings and adopt measures to attract newcomers, in particular SMEs, universities, research organisations, civil society organisations to the activities and

actions of the joint undertaking, while ensuring an effective scrutiny by the general public and civil society organisations;

Amendment 153

Proposal for a regulation Article 16 – paragraph 2 – point m a (new)

Text proposed by the Commission

Amendment

(m a) take appropriate and corrective measures based on the results of the interim evaluation performed by the Commission following the provisions set out in Article 171 and on the results of the annual audit carried out by the European Court of Auditors;

Amendment 154

Proposal for a regulation Article 16 – paragraph 2 – point n

Text proposed by the Commission

Amendment

(n) assess the consolidated annual activity report, including the corresponding expenditure and the budget dedicated to joint calls with other European partnerships;

(n) assess ***and endorse*** the consolidated annual activity report, including the corresponding expenditure and the budget dedicated to joint calls with other European partnerships;

Amendment 155

Proposal for a regulation Article 16 – paragraph 2 – point s

Text proposed by the Commission

Amendment

(s) approve the list of actions selected for funding;

(s) approve the list of actions selected for funding ***after consulting the scientific advisory body, where appropriate;***

Amendment 156

Proposal for a regulation
Article 16 – paragraph 2 – point u

Text proposed by the Commission

(u) adopt rules on the secondment of national experts to the joint undertakings or the use of trainees;

Amendment

(u) adopt rules on the secondment of national experts, ***including on their remuneration***, to the joint undertakings or the use of trainees;

Amendment 157

Proposal for a regulation
Article 16 – paragraph 2 – point w

Text proposed by the Commission

(w) submit to the Commission, where appropriate, any request to amend this Regulation ***proposed by a member of the joint undertaking***;

Amendment

(w) ***collect and*** submit to the Commission, where appropriate, any request to amend this Regulation;

Amendment 158

Proposal for a regulation
Article 16 – paragraph 2 – point y

Text proposed by the Commission

(y) adopt ***by the end of 2022*** a plan for the phasing-out of the joint undertaking from Horizon Europe funding upon recommendation of the executive director;

Amendment

(y) adopt ***no later than one year after the interim evaluation of Horizon Europe as referred to in Article 52(2) of the Horizon Europe Regulation and no later than 2025*** a plan for the phasing-out of the joint undertaking from Horizon Europe funding upon recommendation of the executive director;

Amendment 159

Proposal for a regulation
Article 17 – paragraph 1

Text proposed by the Commission

1. The executive director shall be appointed by the governing board on the

Amendment

1. The executive director shall be appointed by the governing board on the

basis of merit and skills, from the list of candidates proposed by the Commission, following an open and transparent selection procedure which shall respect the principle of gender balance.

basis of merit and skills, **and relevant experience**, from the list of candidates proposed by the Commission, following an open and transparent **call for expression of interest and subsequent** selection procedure which shall respect the principle of **excellence**, gender balance **and geographical diversity**.

Amendment 160

Proposal for a regulation Article 17 – paragraph 2

Text proposed by the Commission

2. The Commission shall propose a list of candidates for executive director after consultation with the members other than the Union of the joint undertaking. For the purpose of such consultation the members other than the Union of the joint undertaking shall appoint by common accord their representatives as well as an observer on behalf of the governing board.

Amendment

2. The Commission shall propose a list of candidates for executive director after consultation with the members other than the Union of the joint undertaking. **The list of candidates shall contain at least 50 % of candidates of different gender. The Commission shall make best efforts to ensure a balanced gender representation.** For the purpose of such consultation the members other than the Union of the joint undertaking shall appoint by common accord their representatives as well as an observer on behalf of the governing board.

When conducting the selection procedure, the Commission shall adhere to the highest standards of transparency, including by providing a clear timeline and the relevant information to the candidates and making the list of candidates for each joint undertaking and the results public.

Amendment 161

Proposal for a regulation Article 17 – paragraph 3 a (new)

Text proposed by the Commission

Amendment

3a. Before appointment, the selected executive director shall sign a statement

declaring the absence of any conflict of interest as well as a declaration of financial interests, including at least occupations held during the five-year period before taking up office with the joint undertaking as well as membership during that period of any boards or committees of companies, NGOs, associations or other bodies established in law. Both the statement on the conflict of interest and the declaration of financial interests shall be made easily accessible in the joint undertaking's website.

Amendment 162

Proposal for a regulation Article 17 – paragraph 4

Text proposed by the Commission

4. The term of office of the executive director shall be four years. By the end of that period, the Commission after consulting the members other than the Union shall carry out an assessment of the performance of the executive director and the future tasks and challenges of the joint undertaking.

Amendment

4. The term of office of the executive director shall be four years. By the end of that period, the Commission after consulting the members other than the Union shall carry out an assessment of the performance of the executive director and the future tasks and challenges of the joint undertaking, ***including through the evaluation of the set of Key Performance Indicators as set out in Article 16, point (i).***

Amendment 163

Proposal for a regulation Article 18 – paragraph 4 – point c

Text proposed by the Commission

(c) prepare and submit for adoption to the governing board the work programme and the corresponding expenditure estimates for the joint undertaking, to implement the Strategic Research and Innovation Agenda;

Amendment

(c) prepare and submit for adoption to the governing board the work programme ***based on input of partners, including the private sector, the scientific community, member states representatives and civil society organisations active in the field of the relevant joint undertaking*** and the corresponding expenditure estimates for

the joint undertaking, to implement the Strategic Research and Innovation Agenda;

Amendment 164

Proposal for a regulation Article 18 – paragraph 4 – point f a (new)

Text proposed by the Commission

Amendment

(f a) monitor the implementation of measures for attracting newcomers, in particular SMEs, universities and research organisations and civil society organisations;

Amendment 165

Proposal for a regulation Article 18 – paragraph 4 – point n

Text proposed by the Commission

Amendment

(n) implement ***the communications*** policy of the joint undertaking;

(n) ***elaborate and implement a citizen and SME-friendly communication*** policy of the joint undertaking;

Amendment 166

Proposal for a regulation Article 18 – paragraph 4 – point q

Text proposed by the Commission

Amendment

(q) protect the financial interests of the Union by applying preventive measures against fraud, corruption and any other illegal activities by means of effective checks and, if irregularities are detected, by recovering amounts that were wrongly paid and, where appropriate, imposing effective, proportionate and dissuasive administrative and financial penalties;

(q) protect the financial interests of the Union ***and of members other than the Union*** by applying preventive measures against fraud, ***conflicts of interest***, corruption and any other illegal activities by means of effective checks and, if irregularities are detected, by recovering amounts that were wrongly paid and, where appropriate, imposing effective, proportionate and dissuasive administrative and financial penalties;

Amendment 167

Proposal for a regulation Article 18 – paragraph 6 – point b

Text proposed by the Commission

(b) manage the implementation of the work programme of the joint undertaking throughout the implementation cycle;

Amendment

(b) manage the implementation of the work programme of the joint undertaking throughout the implementation cycle ***and ensure that the work programme and any changes to it are made public;***

Amendment 168

Proposal for a regulation Article 18 – paragraph 6 – point c

Text proposed by the Commission

(c) provide to the members and the bodies of the joint undertaking all relevant information and support necessary for them to perform their duties;

Amendment

(c) provide to the members and the bodies of the joint undertaking all relevant information ***in a timely manner*** and support necessary for them to perform their duties;

Amendment 169

Proposal for a regulation Article 19 – paragraph 1 – subparagraph 1 – introductory part

Text proposed by the Commission

1. Joint undertakings shall seek independent scientific advice by means of:

Amendment

1. ***Unless otherwise provided in Part Two of this Regulation,*** joint undertakings shall seek independent scientific advice by means of ***a scientific advisory body to be set up by the joint undertaking in accordance with the relevant provisions set out in Part Two of this Regulation, and this Article. When appropriate, joint undertakings may request external independent ad hoc expertise on specific questions.***

Amendment 170

Proposal for a regulation

Article 19 – paragraph 1 – subparagraph 1 – point a

Text proposed by the Commission

Amendment

(a) a scientific advisory body, or its members, to be set up by the joint undertaking in accordance with the relevant provisions set out in Part Two, and subject to the provisions in this Article; and/or **deleted**

Amendment 171

Proposal for a regulation

Article 19 – paragraph 1 – subparagraph 1 – point b

Text proposed by the Commission

Amendment

(b) ad hoc requests for expertise external by the governing board to the joint undertaking on specific questions. **deleted**

Amendment 172

Proposal for a regulation

Article 19 – paragraph 1 – subparagraph 2

Text proposed by the Commission

Amendment

In exceptional cases and where duly justified, part of the scientific advice function may be carried out by the members of the joint undertaking other than the Union, provided that there is no conflict of interest. **deleted**

Amendment 173

Proposal for a regulation

Article 19 – paragraph 2

Text proposed by the Commission

Amendment

2. There shall be a balanced representation of experts among the members of the scientific advisory body,

2. There shall be a balanced representation of experts among the members of the scientific advisory body,

within the scope of the activities of the joint undertaking, including with respect to gender balance. Collectively, the members of the scientific advisory body shall have the necessary competences and expertise covering the technical domain in order to make science-based recommendations to the joint undertaking, taking into account the socio-economic **impact** of such recommendations and the objectives of the joint undertaking.

within the scope of the activities of the joint undertaking, including with respect to **excellence**, gender balance **and geographical diversity**. Collectively, the members of the scientific advisory body shall have the necessary competences and expertise covering the technical domain in order to make science-based recommendations to the joint undertaking, taking into account the **climate, environmental and socio-economic impacts, including impacts on competitiveness and technological sovereignty** of such recommendations and the objectives of the joint undertaking **as well as the impacts of the research carried out by the joint undertaking on gender-related issues**.

Amendment 174

Proposal for a regulation Article 19 – paragraph 4

Text proposed by the Commission

4. The governing board shall establish the specific criteria and selection process for the composition of the scientific advisory body of the joint undertaking and shall appoint its members. **Where relevant, the governing board shall take into consideration the potential candidates proposed by the states' representatives group.**

Amendment

4. The governing board shall establish the specific criteria and selection process, **based on transparent and open calls for the expression of interest**, for the composition of the scientific advisory body of the joint undertaking and shall appoint its members **for a maximum of four years, renewable once**.

Amendment 175

Proposal for a regulation Article 19 – paragraph 6

Text proposed by the Commission

6. The scientific advisory body shall meet at least twice a year and meetings shall be convened by the chairperson. The chairperson may invite other persons to attend its meetings as observers. The scientific advisory body shall adopt its own

Amendment

6. The scientific advisory body shall meet at least twice a year and meetings shall be convened by the chairperson. The chairperson may invite other persons to attend its meetings as observers. The scientific advisory body shall adopt its own

rules of procedure.

rules of procedure, ***including measures to avoid any conflict of interest in the decision-making process. The agenda, participants and minutes of the meetings shall be published in a timely manner on the website of the joint undertaking.***

Amendment 176

Proposal for a regulation

Article 19 – paragraph 7 – point a

Text proposed by the Commission

(a) advise on the scientific priorities to be addressed in the ***work programmes, in line with the*** Strategic Research and Innovation Agenda and the Horizon Europe strategic planning;

Amendment

(a) advise on the scientific priorities to be addressed in the Strategic Research and Innovation Agenda and ***related work programmes, in line with*** the Horizon Europe strategic planning

Amendment 177

Proposal for a regulation

Article 19 – paragraph 7 – point d

Text proposed by the Commission

(d) provide independent advice and scientific analysis on specific issues as requested by the governing board, in particular as regards developments in adjacent sectors;

Amendment

(d) provide independent advice and scientific analysis on specific issues as requested by the governing board, in particular as regards developments in adjacent sectors ***as well as on the potential impacts of the joint undertaking's activities on the environment, society and the climate;***

Amendment 178

Proposal for a regulation

Article 19 – paragraph 7 – point f a (new)

Text proposed by the Commission

Amendment

(f a) assess and advise the governing board on applications from potential associated members and contributing

partners;

Amendment 179

Proposal for a regulation Article 19 – paragraph 8

Text proposed by the Commission

8. After each meeting of the scientific advisory body, its chairperson shall submit to the governing board a report outlining the body's and its members' opinions on the matters discussed during the meeting.

Amendment

8. After each meeting of the scientific advisory body, its chairperson shall submit to the governing board a report outlining the body's and its members' opinions on the matters discussed during the meeting. ***To the extent possible, the report shall be made publicly available in the website of the joint undertaking.***

Amendment 180

Proposal for a regulation Article 19 – paragraph 9 a (new)

Text proposed by the Commission

Amendment

9a. The governing board shall inform the scientific advisory body without undue delay of the follow up to its recommendations or proposals or give reasons for not following up on them, and shall make them publicly available.

Amendment 181

Proposal for a regulation Article 20 – paragraph 5

Text proposed by the Commission

5. The chairperson of the states' representatives group may invite other persons to attend its meetings as observers, in particular representatives of relevant federal or regional authorities within the Union, representatives of ***SME*** associations and representatives of other

Amendment

5. The chairperson of the states' representatives group may invite other persons to attend its meetings as observers, in particular representatives of relevant federal or regional authorities within the Union, representatives of ***SMEs and industry*** associations, ***representatives of civil society organisations*** and

bodies of the joint undertaking.

representatives of other bodies of the joint undertaking.

Amendment 182

Proposal for a regulation Article 20 – paragraph 6

Text proposed by the Commission

6. The agenda of the State Representatives Group's meetings shall be circulated sufficiently in advance to ensure appropriate representation by each member state and associated country. The agenda shall also be circulated for information to the governing board.

Amendment

6. The agenda of the State Representatives Group's meetings shall be circulated sufficiently in advance to ensure appropriate representation by each member state and associated country. The agenda shall also be circulated for information to the governing board ***in a timely manner***.

Amendment 183

Proposal for a regulation Article 20 – paragraph 7 – point b

Text proposed by the Commission

(b) updating of strategic orientation in line with the Horizon Europe strategic planning and with other Union and member states funding instruments;

Amendment

(b) updating of strategic orientation in line with the Horizon Europe strategic planning, ***overarching Union policies and goals*** and with other Union and member states funding instruments;

Amendment 184

Proposal for a regulation Article 20 – paragraph 7 – point e

Text proposed by the Commission

(e) involvement of SMEs.

Amendment

(e) involvement of SMEs ***and start-ups, their business associations, universities and research organisations, civil society organisations and measures taken for promoting participation of newcomers***.

Amendment 185

Proposal for a regulation Article 20 – paragraph 7 – point e a (new)

Text proposed by the Commission

Amendment

(ea) potential impacts of the joint undertaking's activities on the environment, climate and their societal added value.

Amendment 186

Proposal for a regulation Article 20 – paragraph 8 – point a

Text proposed by the Commission

Amendment

(a) the status of relevant national or regional research and innovation programmes and identification of potential areas of cooperation, including concrete actions taken or envisaged for the deployment of relevant technologies and innovative solutions;

(a) the status of relevant national or regional research and innovation programmes and identification of potential areas of cooperation, including concrete actions taken or envisaged, ***such as coordinated calls between joint undertakings and their R&I and investments programmes***, for the ***development as well as deployment and market and societal uptake*** of relevant technologies and innovative solutions;

Amendment 187

Proposal for a regulation Article 20 – paragraph 9

Text proposed by the Commission

Amendment

9. The states' representatives group shall submit, at the end of each calendar year, a report describing the national or regional policies in the scope of the joint undertaking and identifying specific ways of cooperation with the actions funded by the joint undertaking.

9. The states' representatives group shall submit, at the end of each calendar year, a report describing the national or regional policies in the scope of the joint undertaking and identifying specific ways of cooperation with the actions funded by the joint undertaking. ***The report shall be made publicly available in the website of the joint undertaking.***

Amendment 188

Proposal for a regulation Article 20 – paragraph 13 a (new)

Text proposed by the Commission

Amendment

13a. When performing its tasks, the states' representative group shall observe the rules on confidentiality and conflicts of interest as set out in Articles 31 and 40.

Amendment 189

Proposal for a regulation Article 21 – paragraph 2

Text proposed by the Commission

Amendment

2. The stakeholders group shall be open to all public and private stakeholders, including organised groups, active in the field of the joint undertaking, international interest groups from member states, associated countries as well as from other countries.

2. The stakeholders group shall be open to all public and private stakeholders, including organised groups ***and civil society organisations***, active in the field of the joint undertaking, international interest groups from member states, associated countries as well as from other countries.

Amendment 190

Proposal for a regulation Article 21 – paragraph 2 a (new)

Text proposed by the Commission

Amendment

2a. The governing board shall establish the specific criteria and selection process for the composition of the stakeholders group and shall aim to ensure membership that is gender balanced, geographically diverse and represents a variety of sectors and backgrounds. Where relevant, the governing board shall take into account the potential candidates proposed by the states' representative group. It shall be ensured that the stakeholders group is constantly opened to new members which should be assessed in the interim evaluation and addressed if

necessary.

Amendment 191

Proposal for a regulation Article 21 – paragraph 3

Text proposed by the Commission

3. The stakeholders group shall be regularly informed of the activities of the joint undertaking and shall be invited to provide comments on the joint undertaking's planned initiatives.

Amendment

3. The stakeholders group shall be regularly informed of the activities of the joint undertaking and shall be invited to provide comments on the joint undertaking's planned initiatives, ***upon invitation or of its own initiative.***

Amendment 192

Proposal for a regulation Article 21 – paragraph 4

Text proposed by the Commission

4. The meetings of the stakeholders group shall be convened by the executive director.

Amendment

4. The meetings of the stakeholders group shall be convened by the executive director ***at least once a year.***

Amendment 193

Proposal for a regulation Article 21 – paragraph 5

Text proposed by the Commission

5. The executive director may advise the governing board to consult the stakeholders group on specific questions. Where such consultation takes place, a report shall be submitted to the governing board after the relevant discussion in the stakeholders group.

Amendment

5. The executive director may advise the governing board to consult the stakeholders group on specific questions. Where such consultation takes place, a report shall be submitted to the governing board after the relevant discussion in the stakeholders group ***and be made publicly available on the website of the relevant joint undertaking.***

Amendment 194

Proposal for a regulation Article 21 – paragraph 5 a (new)

Text proposed by the Commission

Amendment

5a. When performing its tasks, the stakeholders group shall observe the rules on confidentiality and conflicts of interest as set out in Articles 31 and 40.

Amendment 195

Proposal for a regulation Article 23 – paragraph 1 a (new)

Text proposed by the Commission

Amendment

1a. In accordance with Article 17(2) of the Horizon Europe Regulation and by way of derogation from Article 34 of that Regulation, the joint undertakings may apply different reimbursement rates for the Union funding within an action depending on the type of participant, and the type of action. The reimbursement rates shall be indicated in the work programme.

Amendment 196

Proposal for a regulation Article 23 – paragraph 2

Text proposed by the Commission

Amendment

2. The work programme shall be adopted by the end of the year prior to its implementation. The work programme shall be published on the website of the joint undertaking, and, to support the coordination with the overall strategy of Horizon Europe, be shared with the relevant **clusters**' programme committee for information.

2. The work programme shall be adopted by the end of the year prior to its implementation. The work programme shall be published on the website of the joint undertaking **and on the Horizon Europe website and common e-database**, and, to support the coordination with the overall strategy of Horizon Europe, be shared with the relevant **configuration of the** programme committee for information.

Amendment 197

Proposal for a regulation Article 23 – paragraph 5

Text proposed by the Commission

5. The annual budget shall be adapted in order to take into account the amount of the Union financial contribution as set out in the Union budget.

Amendment

5. The annual budget shall be adapted in order to take into account the amount of the Union financial contribution as set out in the Union budget ***and the amounts of the financial and in-kind contributions from members other than the Union.***

Amendment 198

Proposal for a regulation Article 24 – paragraph 1

Text proposed by the Commission

1. The executive director shall provide the governing board with a consolidated annual activity report on the performance of his or her duties in accordance with the financial rules of the joint undertaking.

Amendment

1. The executive director shall provide the governing board with a consolidated annual activity report on the performance of his or her duties in accordance with the financial rules of the joint undertaking. ***The consolidated annual activity report shall be made public in a timely manner on the website of the joint undertaking.***

Amendment 199

Proposal for a regulation Article 24 – paragraph 2 – point b

Text proposed by the Commission

(b) the proposals submitted, including a breakdown by participant type, including SMEs, and by country;

Amendment

(b) the proposals submitted, including a breakdown by participant type, including SMEs, and by country, ***indicating the percentage of newcomers;***

Amendment 200

Proposal for a regulation Article 24 – paragraph 2 – point e

Text proposed by the Commission

(e) the collaboration with other European partnerships, including joint calls, and synergies between the joint undertaking's actions and national or regional initiatives and policies.

Amendment

(e) the collaboration with other European partnerships, including joint calls, and synergies between the joint undertaking's actions and ***other Union programmes as well as*** national or regional initiatives and policies.

Amendment 201

Proposal for a regulation

Article 24 – paragraph 2 – point e a (new)

Text proposed by the Commission

Amendment

(ea) the progress in the implementation of the measurable expected outcomes, deliverables, and milestones within a defined timeframe as set out in the Strategic Research and Innovation Agenda and in the work programme of the joint undertaking;

Amendment 202

Proposal for a regulation

Article 24 – paragraph 2 – point e b (new)

Text proposed by the Commission

Amendment

(eb) the amounts of the financial contributions from members other than the Union and of the financial contribution of the Union that were actually provided;

Amendment 203

Proposal for a regulation

Article 24 – paragraph 2 – point e c (new)

Text proposed by the Commission

Amendment

(ec) the contribution of the joint undertaking to the actions of the

European Skills Agenda, especially those aiming at developing skills to support the green and the digital transition and at increasing the number of graduates in STEM subjects, in the respective areas of work of the joint undertaking;

Amendment 204

Proposal for a regulation Article 24 – paragraph 2 – point e d (new)

Text proposed by the Commission

Amendment

(ed) any action related to gender mainstreaming, including those actions aiming to bridge the gender gap in the research and innovation field.

Amendment 205

Proposal for a regulation Article 26 – paragraph 2

Text proposed by the Commission

Amendment

2. The members other than the Union shall agree on how to share their collective contribution among them *in accordance with the financial rules of the joint undertaking.*

2. The members other than the Union shall agree on how to share their collective contribution among them.

Amendment 206

Proposal for a regulation Article 26 – paragraph 2 a (new)

Text proposed by the Commission

Amendment

2a. When deciding on how to share their collective contribution to a joint undertaking, the members other than the Union shall act in accordance with the financial rules of the joint undertaking, without imposing any burdensome condition to SMEs whose participation in the joint undertaking shall also be

supported by favourable conditions that take into account their size as well as their more limited bargaining power across the value chain in comparison to larger players.

Amendment 207

Proposal for a regulation Article 26 – paragraph 6

Text proposed by the Commission

6. Should the members other than the Union of the joint undertaking be in default of their commitment concerning their contribution, the executive director shall inform them in writing and shall set a reasonable period within which such default should be remedied. Where, on the expiry of that period, the member other than the Union concerned is still in default, the executive director shall inform the Commission in view of potential measures and the member concerned that it is disqualified from voting in the governing board in line with Article 11(9).

Amendment

6. Should the members other than the Union of the joint undertaking be in default of their commitment concerning their contribution, the executive director shall inform them in writing and shall set a reasonable period within which such default should be remedied. Where, on the expiry of that period, the member other than the Union concerned is still in default, the executive director shall inform the Commission *and the participating States* in view of potential measures and the member concerned that it is disqualified from voting in the governing board in line with Article 11(9).

Amendment 208

Proposal for a regulation Article 28 – paragraph 4

Text proposed by the Commission

4. Notwithstanding paragraphs 1 to 3, agreements, decisions and contracts resulting from the implementation of this Regulation shall contain provisions expressly empowering the Commission, the *respective* joint undertaking, the Court of Auditors, the EPPO and OLAF to conduct such audits, on-the spot checks and investigations in accordance with their respective competences.

Amendment

4. Notwithstanding paragraphs 1 to 3, agreements, decisions and contracts resulting from the implementation of this Regulation shall contain provisions expressly empowering the Commission, the *relevant* joint undertaking, the Court of Auditors, the EPPO and OLAF to conduct such audits, on-the spot checks and investigations in accordance with their respective competences *without increasing the administrative burden of the joint*

undertaking.

Amendment 209

Proposal for a regulation Article 29 – paragraph 1

Text proposed by the Commission

Audits of expenditure on indirect actions shall be carried out in accordance with [Article 48] of the Horizon Europe Regulation as part of the Horizon Europe indirect actions, in particular in line with the audit strategy referred to in [Article 48(2)] that Regulation.

Amendment

Audits of expenditure on indirect actions shall be carried out in accordance with [Article 48] of the Horizon Europe Regulation as part of the Horizon Europe indirect actions, in particular in line with the audit strategy referred to in [Article 48(2)] ***of that Regulation, without increasing the administrative burden of the joint undertaking.***

Amendment 210

Proposal for a regulation Article 30 – paragraph 1

Text proposed by the Commission

1. The Commission's internal auditor shall exercise the same powers over the joint undertakings as those exercised in respect of the Commission.

Amendment

1. The Commission's internal auditor shall exercise the same powers over the joint undertakings as those exercised in respect of the Commission ***and shall take measures to reduce the administrative burden of the joint undertakings.***

Amendment 211

Proposal for a regulation Article 34 – paragraph 1

Text proposed by the Commission

1. The joint undertaking shall provide the Union institutions and Union bodies, offices or agencies access to all information related to the indirect actions it funds. Such information shall include results of beneficiaries participating in indirect actions of the joint undertaking or

Amendment

1. The joint undertaking shall provide the Union institutions and Union bodies, offices or agencies access to all information related to the indirect actions it funds. Such information shall include results of beneficiaries participating in indirect actions of the joint undertaking or

any other information deemed necessary for developing, implementing, monitoring and evaluating Union policies or programmes. Such access rights are limited to non-commercial and non-competitive use and shall comply with applicable confidentiality rules.

any other information deemed necessary for developing, implementing, monitoring and evaluating Union policies or programmes. Such access rights are limited to non-commercial and non-competitive use, ***shall be subject to adequate IT security and information security standards, shall be in accordance with the principles of necessity and proportionality*** and shall comply with ***personal data protection and*** applicable confidentiality rules.

Amendment 212

Proposal for a regulation Article 34 – paragraph 2

Text proposed by the Commission

2. For the purposes of developing, implementing, monitoring and evaluating Union policies or programmes, the joint undertaking shall provide the Commission with the information included in submitted proposals.

Amendment

2. For the purposes of developing, implementing, monitoring and evaluating Union policies or programmes, the joint undertaking shall provide the Commission with the information included in submitted proposals. ***All relevant data related to projects submitted by the joint undertakings shall be included in the single Horizon Europe database.***

Amendment 213

Proposal for a regulation Article 35 – paragraph 2

Text proposed by the Commission

2. The staff resources shall be determined in the staff establishment plan of each joint undertaking indicating the number of temporary posts by function group and by grade and the number of contract staff expressed in full-time equivalents, in line with its annual budget.

Amendment

2. The staff resources shall be determined in the staff establishment plan of each joint undertaking ***and shall adequately reflect the number of posts and grades necessary to ensure the highest standards of recruitments in the field,*** indicating the number of temporary posts by function group and by grade and the number of contract staff expressed in full-time equivalents, in line with its annual budget ***and taking into account the***

principle of gender balance.

Amendment 214

Proposal for a regulation Article 40 – paragraph 1

Text proposed by the Commission

1. The joint undertaking, its bodies and staff shall avoid any conflict of interest in the implementation *of their activities*.

Amendment

1. The joint undertaking, its bodies and *its members as well as its* staff shall avoid any conflict of interest in the *decision-making process related to the joint undertaking's activities as well as in their* implementation.

Amendment 215

Proposal for a regulation Article 40 – paragraph 2

Text proposed by the Commission

2. The governing board shall adopt rules for the prevention, avoidance and management of conflicts of interest in respect of the staff of the joint undertaking, the members and other persons serving the governing board and in the other bodies or groups of the joint undertaking, in accordance with the financial rules of the joint undertaking and with the Staff Regulations in respect of staff.

Amendment

2. The governing board shall adopt rules for the prevention, avoidance and management of conflicts of interest in respect of the staff of the joint undertaking, the members and other persons serving the governing board and in the other bodies or groups of the joint undertaking, in accordance with *this Regulation*, the financial rules of the joint undertaking and with the Staff Regulations in respect of staff.

Amendment 216

Proposal for a regulation Article 40 – paragraph 2 a (new)

Text proposed by the Commission

Amendment

2a. Members of the scientific advisory body and the executive directors shall make publicly available and keep updated a declaration of their full professional activities, of financial interests and of

conflicts of interest. These shall also contain information on their membership of various boards and committees as well as information on any public holdings where there are potential public policy implications or where that holding gives the person significant influence over the affairs of the company or partnership. The executive directors shall have a professional background which proves that they have experience in the relevant operational sector of the relevant joint undertaking.

Amendment 217

Proposal for a regulation Article 43 – paragraph 4

Text proposed by the Commission

4. During the winding up procedure, the assets of the joint undertaking shall be used to cover its liabilities and the expenditure relating to its winding up. Any surplus shall be distributed among the members of the joint undertaking at the time of the winding up in proportion to their financial contribution to the joint undertaking. Any such surplus distributed to the Union shall be returned to the *general* budget of *the Union*.

Amendment

4. During the winding up procedure, the assets of the joint undertaking shall be used to cover its liabilities and the expenditure relating to its winding up. Any surplus shall be distributed among the members of the joint undertaking at the time of the winding up in proportion to their financial contribution to the joint undertaking. Any such surplus distributed to the Union shall be returned to the budget of *Horizon Europe*.

Amendment 218

Proposal for a regulation Article 44 – paragraph 1 – point a

Text proposed by the Commission

(a) accelerate the innovation process and development of bio-based innovative solutions;

Amendment

(a) accelerate the *research and* innovation process and development of *sustainable* bio-based innovative solutions;

Amendment 219

Proposal for a regulation Article 44 – paragraph 1 – point b

Text proposed by the Commission

(b) accelerate market deployment of the existing mature and innovative bio-based solutions;

Amendment

(b) accelerate market deployment of the existing **sustainable** mature and innovative bio-based solutions;

Amendment 220

Proposal for a regulation

Article 44 – paragraph 1 – point c

Text proposed by the Commission

(c) ensure a high level of environmental performance of bio-based industrial systems.

Amendment

(c) ensure a high level of environmental performance of bio-based **sustainable** industrial systems.

Amendment 221

Proposal for a regulation

Article 44 – paragraph 2 – point a

Text proposed by the Commission

(a) increase the intensity of cross-disciplinary research and innovation activities to reap the benefits of the advancement in life sciences and in other scientific disciplines for the development and demonstration of sustainable bio-based solutions;

Amendment

(a) increase the intensity of cross-disciplinary research and innovation activities to reap the benefits of the advancement in life sciences and in other scientific disciplines for the development and demonstration of **economic, environmentally and socially** sustainable bio-based solutions;

Amendment 222

Proposal for a regulation

Article 44 – paragraph 2 – point b

Text proposed by the Commission

(b) increase and integrate the research and innovation capacity of stakeholders across the Union to exploit the local **bioeconomy** potential;

Amendment

(b) increase and integrate the research and innovation capacity of stakeholders across the Union to exploit the local **bioeconomy** potential **consistent with the Union's climate, environmental and**

biodiversity goals;

Amendment 223

Proposal for a regulation

Article 44 – paragraph 2 – point c

Text proposed by the Commission

(c) increase the research and innovation capacity for addressing environmental challenges and development of *more* sustainable bio-based innovations;

Amendment

(c) increase the research and innovation capacity for addressing *economic, social and* environmental challenges and development of sustainable bio-based innovations;

Amendment 224

Proposal for a regulation

Article 44 – paragraph 2 – point c a (new)

Text proposed by the Commission

Amendment

(c a) contribute to identifying solutions making use of negative emissions technologies and approaches and carbon sequestration in natural systems and have other environmental benefits;

Amendment 225

Proposal for a regulation

Article 44 – paragraph 2 – point d

Text proposed by the Commission

(d) reinforce the integration of bio-based research and innovation processes in Union industrial value chains;

Amendment

(d) reinforce the integration of bio-based research and innovation processes in Union industrial value chains, *while promoting also higher levels of sustainability and circularity;*

Amendment 226

Proposal for a regulation

Article 44 – paragraph 2 – point e

Text proposed by the Commission

(e) reduce the risk for research and innovation investment in bio-based companies and projects;

Amendment

(e) reduce the risk for research and innovation investment in **sustainable** bio-based companies and projects;

Amendment 227

Proposal for a regulation

Article 44 – paragraph 2 – point f

Text proposed by the Commission

(f) ensure that environmental considerations are taken into account in the development and implementation of research and innovation bio-based projects.

Amendment

(f) ensure that environmental considerations **and the mitigation of potential negative impacts** are taken into account in the development and implementation of research and innovation bio-based projects **in order to contribute to the Union’s energy and climate targets**.

Amendment 228

Proposal for a regulation

Article 45 – paragraph 1 – point c

Text proposed by the Commission

(c) support high impact multidisciplinary research and innovation projects that enhance the industrial innovation in bio-based industry to deliver on the objectives of the Circular Bio-Based Europe Joint Undertaking;

Amendment

(c) support high impact multidisciplinary research and innovation projects that enhance the industrial innovation **and sustainability** in bio-based industry to deliver on the objectives of the Circular Bio-Based Europe Joint Undertaking **in line with the Union’s climate and energy objectives**;

Amendment 229

Proposal for a regulation

Article 45 – paragraph 1 – point d

Text proposed by the Commission

(d) intensify research and innovation activities of the Circular Bio-Based Europe

Amendment

(d) intensify research and innovation activities of the Circular Bio-Based Europe

Joint Undertaking along the whole innovation chain from low to high Technology Readiness Levels;

Joint Undertaking along the whole innovation chain from low to high Technology Readiness Levels; **and mitigate their potential negative social and environmental impacts;**

Amendment 230

Proposal for a regulation Article 45 – paragraph 1 – point e

Text proposed by the Commission

(e) mobilise and integrate research and innovation actors from rural, coastal, urban areas and regions with unexploited potential for bio-based industry development to co-operate in project activities;

Amendment

(e) mobilise and integrate research and innovation actors from rural, coastal, urban areas and regions **at various geographic levels** with unexploited potential for **sustainable** bio-based industry development to co-operate in project activities;

Amendment 231

Proposal for a regulation Article 45 – paragraph 1 – point g

Text proposed by the Commission

(g) promote communication and collaboration between research and innovation actors and industrial stakeholders under the Circular Bio-Based Europe Joint Undertaking to raise awareness about rapidly evolving knowledge and technology, facilitate cross-sector collaboration and facilitate market uptake of innovative bio-based solutions;

Amendment

(g) promote communication and collaboration between research and innovation actors and industrial stakeholders **including SMEs, small organisations from the primary sector and civil society organisations** under the Circular Bio-Based Europe Joint Undertaking to raise awareness about rapidly evolving knowledge and technology, facilitate cross-sector collaboration and facilitate market uptake of **sustainable** innovative bio-based solutions;

Amendment 232

Proposal for a regulation Article 45 – paragraph 1 – point h

Text proposed by the Commission

(h) mobilise national and regional authorities that are able to create more favourable conditions for market uptake of bio-based innovations;

Amendment

(h) mobilise national and regional authorities that are able to create more favourable conditions for market uptake of **sustainable** bio-based innovations;

Amendment 233

Proposal for a regulation

Article 45 – paragraph 1 – point j

Text proposed by the Commission

(j) communicate and promote innovative bio-based solutions **towards policy makers, industry, NGOs and consumers at large.**

Amendment

(j) **publish its findings and results in a transparent and accessible manner, including on its social and environmental impacts within the Union and third countries and** communicate and promote **sustainable** innovative bio-based.

Amendment 234

Proposal for a regulation

Article 46 – paragraph 1 – point b

Text proposed by the Commission

(b) the Bio-based Industries Consortium, a **non-profit** organisation established under Belgian law, with its permanent office in Brussels, Belgium, upon notification of its decision to unconditionally accede to the Circular Bio-based Europe Joint Undertaking by means of a letter of commitment;

Amendment

(b) the Bio-based Industries Consortium, a **not-for-profit** organisation established under Belgian law, with its permanent office in Brussels, Belgium, upon notification of its decision to accede to the Circular Bio-based Europe Joint Undertaking by means of a letter of commitment, **without prejudice to the rights of members, in particular SMEs, as set out in this Regulation and other relevant Union law;**

Amendment 235

Proposal for a regulation

Article 49 – paragraph 1 – introductory part

Text proposed by the Commission

1. Notwithstanding the Governing Board's power of decision concerning the additional activities plan pursuant to Article 16(2)(l) and within the scope of Article 2(9) and Article 2(10), the ***Bio-based Industries Consortium or their constituent or affiliated entities*** shall each year make a proposal for the additional activities. The additional activities are those directly linked to projects and activities of the Circular Bio-based Europe Joint Undertaking, including in particular:

Amendment

1. Notwithstanding the Governing Board's power of decision concerning the additional activities plan pursuant to Article 16(2)(l) and within the scope of Article 2(9) and Article 2(10), the ***members other than the Union*** shall each year make a proposal for the additional activities. The additional activities are those directly linked to projects and activities of the Circular Bio-based Europe Joint Undertaking, including in particular:

Amendment 236

**Proposal for a regulation
Article 49 – paragraph 1 – point b**

Text proposed by the Commission

(b) investments in a new innovative and sustainable production plant or flagship;

Amendment

(b) investments in a new innovative and sustainable production plant or flagship, ***including pilot and innovative demonstration plant;***

Amendment 237

**Proposal for a regulation
Article 49 – paragraph 1 – point e**

Text proposed by the Commission

(e) communication, dissemination and awareness raising activities.

Amendment

(e) communication, dissemination and awareness raising activities ***among the SMEs and the general public.***

Amendment 238

**Proposal for a regulation
Article 52 – paragraph 2**

Text proposed by the Commission

2. The Governing Board shall elect its

Amendment

2. The Governing Board shall elect its

chairperson for a period of two years.

chairperson *among its members* for a period of two years.

Amendment 239

Proposal for a regulation Article 52 – paragraph 4

Text proposed by the Commission

4. In addition to the meetings referred to in paragraph 2, the Governing Board shall also hold a strategic meeting at least once a year with the primary objective of identifying challenges and opportunities for sustainable bio-based industry and provide additional strategic orientation for the Circular Bio-based Europe Joint Undertaking.

Amendment

4. In addition to the meetings referred to in paragraph 3, the Governing Board shall also hold a strategic meeting at least once a year with the primary objective of identifying challenges and opportunities for sustainable bio-based industry and provide additional strategic orientation for the Circular Bio-based Europe Joint Undertaking *in particular on the exploiting of the full potential of actors across Europe*.

Amendment 240

Proposal for a regulation Article 52 – paragraph 5

Text proposed by the Commission

5. In the strategic meeting additional chief executive officers or officers with decision-making power of leading European bio-based companies *and* the Commission, shall be invited. The chairpersons of the States' Representatives Group, the Scientific Committee and the Deployment Groups *may be invited as* observers.

Amendment

5. In the strategic meeting additional chief executive officers or officers with decision-making power of leading European bio-based companies, the Commission *as well as, where appropriate, independent external experts and other relevant stakeholders, including from the civil society and research community* shall be invited. The chairpersons of the States' Representatives Group, the Scientific Committee and the Deployment Groups *shall be permanent* observers.

Amendment 241

Proposal for a regulation Article 53 – paragraph 3

Text proposed by the Commission

3. The chairperson of the Scientific Committee shall be elected for the duration of two years.

Amendment

3. The chairperson of the Scientific Committee shall be elected **among its members** for the duration of two years.

Amendment 242

**Proposal for a regulation
Article 53 – paragraph 4**

Text proposed by the Commission

4. The Scientific Committee shall set-up a task force composed of members with the appropriate profiles to contribute towards ensuring sufficient focus on all sustainability aspects of the work programme. **Whenever possible**, advice of the Scientific Committee on the work programme shall include aspects related to circularity, environmental sustainability, biodiversity preservation and enhancement, as well as broader aspects of sustainability of the bio-based systems and related value chains.

Amendment

4. The Scientific Committee shall set-up a task force composed of members with the appropriate profiles to contribute towards ensuring sufficient focus on all sustainability aspects of the work programme. Advice of the Scientific Committee on the work programme shall include aspects related to **the limited availability of natural resources**, circularity, environmental sustainability, biodiversity preservation and enhancement, **land, soil, water quality** as well as broader aspects of **social and climate impact as well as** sustainability of the bio-based systems and related value chains.

Amendment 243

**Proposal for a regulation
Article 54 – paragraph 1**

Text proposed by the Commission

1. One or more Deployment Groups shall be established pursuant to Article 21. The role of the Deployment Groups is to advice the Governing Board on issues critical to market uptake of bio-based innovation and to promote deployment of sustainable bio-based solutions.

Amendment

1. One or more Deployment Groups shall be established pursuant to Article 21. The role of the Deployment Groups is to advice the Governing Board on issues critical to market uptake of **sustainable** bio-based innovation and to promote deployment of sustainable bio-based solutions.

Amendment 244

Proposal for a regulation Article 54 – paragraph 2

Text proposed by the Commission

2. The composition of the Deployment Groups shall ensure appropriate thematic focus and representativeness of the bio-based innovation stakeholders. Any stakeholder other than the members of the Bio-Based Industry Consortium, their constituents or their affiliated entities may express its interest to become members of a Deployment Group. The Governing Board shall set out the envisaged size and composition of the Deployment Groups, the duration of the mandates and the possibility of renewal of its members, and select their members. The list of members shall be publicly available.

Amendment

2. The composition of the Deployment Groups shall ensure appropriate thematic focus and representativeness of the bio-based innovation stakeholders. Any stakeholder other than the members of the Bio-Based Industry Consortium, their constituents or their affiliated entities may express its interest to become members of a Deployment Group ***ensuring the representation of SMEs as well as civil society organisations. The composition of the Deployment Groups shall aim at the widest representation of stakeholders, including the primary sector (agriculture, aquaculture, fisheries and forestry) as well as providers of waste, residues and side streams, regional authorities and investors to prevent market failures and unsustainable bio-based processes.*** The Governing Board shall set out the envisaged size and composition of the Deployment Groups, the duration of the mandates and the possibility of renewal of its members, and select their members ***in accordance with Article 21 of this Regulation.*** The list of members shall be publicly available.

Amendment 245

Proposal for a regulation Article 54 – paragraph 3

Text proposed by the Commission

3. The Deployment Groups shall meet at least once per year in a physical or virtual meeting. At the first meeting, the Deployment Groups shall adopt their rules of procedure. These rules of procedure shall be approved by the Governing Board. Extraordinary meetings of the Deployment

Amendment

3. The Deployment Groups shall meet at least once per year in a physical or virtual meeting. At the first meeting, the Deployment Groups shall adopt their rules of procedure. These rules of procedure shall be approved by the Governing Board. Extraordinary meetings of the Deployment

Groups shall be called upon the request from the Governing Board. The Governing Board may request the participation of additional persons in the extraordinary meetings. The list of attendees to those extraordinary meetings shall be publicly available.

Groups shall be called upon the request from the Governing Board. The Governing Board may request the participation of additional persons in the extraordinary meetings. The **agenda, minutes and** list of attendees to those extraordinary meetings shall be publicly available.

Amendment 246

Proposal for a regulation Article 54 – paragraph 5

Text proposed by the Commission

5. The Deployment Groups shall provide recommendations on the issues related to the deployment of bio-based innovation upon request from the Governing Board. The Deployment Groups can also issue recommendations to the Governing Board anytime at their own initiative.

Amendment

5. The Deployment Groups shall provide recommendations on the issues related to the deployment of **sustainable** bio-based innovation upon request from the Governing Board. The Deployment Groups can also issue recommendations to the Governing Board anytime at their own initiative.

Amendment 247

Proposal for a regulation Article 55 – paragraph 1 – point a

Text proposed by the Commission

(a) to contribute to reduce the ecological footprint of aviation by accelerating the development of climate neutral aviation technologies for earliest possible deployment, therefore significantly contributing to the achievement of the general goals of the European Green Deal⁴⁷, in particular in relation to the reduction of Union-wide net greenhouse gas emissions reduction target of at least 55% by 2030, compared to 1990 levels and a pathway towards reaching climate neutrality by 2050;

Amendment

(a) to contribute to reduce the ecological footprint of aviation by accelerating the development of climate neutral aviation technologies for earliest possible deployment, therefore significantly contributing to the achievement of the general goals of the European Green Deal⁴⁷, in particular in relation to the reduction of Union-wide net greenhouse gas emissions reduction target of at least 55 % by 2030, compared to 1990 levels and a pathway towards reaching climate neutrality by 2050 **at the latest**;

⁴⁷ Communication from the Commission to the European Parliament, the European

⁴⁷ Communication from the Commission to the European Parliament, the European

Council, the Council, the European Economic and Social Committee and the Committee of the Regions, COM/2019/640 final.

Council, the Council, the European Economic and Social Committee and the Committee of the Regions, COM/2019/640 final.

Amendment 248

Proposal for a regulation Article 55 – paragraph 1 – point b

Text proposed by the Commission

(b) to ensure that aeronautics-related research and innovation activities contribute to the global sustainable competitiveness of the Union aviation industry, and to ensure that climate-neutral aviation technologies meet the relevant aviation safety requirements,⁴⁸ and **remains a** secure, reliable, cost-effective, and efficient means of passenger and freight transportation;

⁴⁸ Regulation (EU) 2018/1139 of the European Parliament and of the Council of 4 July 2018 on common rules in the field of civil aviation and establishing a European Union Aviation Safety Agency.

Amendment

(b) to ensure that aeronautics-related research and innovation activities contribute to the global sustainable competitiveness of the Union aviation industry, and to ensure that climate-neutral aviation technologies meet the relevant aviation safety requirements,⁴⁸ and **remain a competitive, secure, reliable, sustainable, affordable,** cost-effective, and efficient means of passenger and freight transportation;

⁴⁸ Regulation (EU) 2018/1139 of the European Parliament and of the Council of 4 July 2018 on common rules in the field of civil aviation and establishing a European Union Aviation Safety Agency.

Amendment 249

Proposal for a regulation Article 55 – paragraph 2 – point a

Text proposed by the Commission

(a) to integrate and demonstrate disruptive aircraft technological innovations able to decrease net emissions of greenhouse gasses by no less than **30%** by 2030, compared to 2020 state-of-the-art technology while paving the ground towards climate-neutral aviation by 2050;

Amendment

(a) to integrate and demonstrate disruptive aircraft technological innovations able to decrease net emissions of greenhouse gasses, **including non-CO₂ impacts,** by no less than **30 %** by 2030, compared to 2020 state-of-the-art technology while paving the ground towards climate-neutral aviation by 2050;

Amendment 250

Proposal for a regulation Article 55 – paragraph 2 – point b

Text proposed by the Commission

(b) to ensure that the technological and the potential industrial readiness of innovations can support the launch of disruptive new products and services by 2035, with the aim of replacing 75% of the operating fleet by 2050 and developing an innovative, reliable, safe and cost-effective European aviation system that is able to meet the objective of climate neutrality by 2050;

Amendment

(b) to ensure that the technological and the potential industrial readiness of innovations can support the launch of disruptive new products and services by 2035, with the aim of replacing 75 % of the operating fleet by 2050 and developing an innovative, reliable, safe and cost-effective European aviation system that is able to meet the objective of climate neutrality by 2050 *at the latest*;

Amendment 251

Proposal for a regulation Article 55 – paragraph 2 – point c

Text proposed by the Commission

(c) to expand and foster integration of the climate-neutral aviation research and innovations value chains, including academia, research organisations, industry, *and* SMEs, also by benefitting from exploiting synergies with other national and European related programmes.

Amendment

(c) to expand and foster integration of the climate-neutral aviation research and innovations value chains, including academia, research organisations, industry, SMEs *and start-ups, as well as civil society organisations and social partners*, also by benefitting from exploiting synergies with other national and European related programmes *and by supporting the uptake of industry-related skills across the value chain*;

Amendment 252

Proposal for a regulation Article 55 – paragraph 2 – point c a (new)

Text proposed by the Commission

Amendment

(ca) to promote quality jobs in the aviation sector as well as restoring and creating growth, considering its special importance for the economic and social

recovery of the Union and for achieving its climate and environmental goals.

Amendment 253

Proposal for a regulation

Article 56 – paragraph 1 – point a

Text proposed by the Commission

(a) publish on relevant websites all the information necessary for the preparation and submission of proposals for the Clean Aviation Joint Undertaking;

Amendment

(a) publish on relevant websites all the information necessary for the preparation and submission of proposals for the Clean Aviation Joint Undertaking ***in a transparent and user-friendly way***;

Amendment 254

Proposal for a regulation

Article 56 – paragraph 1 – point b

Text proposed by the Commission

(b) monitor and assess technological progress towards the achievement of the general and specific objectives set out in Article 55 and facilitate full access to data and information for the independent impact monitoring of aviation research and innovation carried out ***under the direct supervision of the Commission***;

Amendment

(b) monitor and assess technological progress towards the achievement of the general and specific objectives set out in Article 55 and facilitate full access to data and information for the independent impact monitoring of aviation research and innovation carried out;

Amendment 255

Proposal for a regulation

Article 56 – paragraph 1 – point c

Text proposed by the Commission

(c) assist the Commission upon its request with the establishment and development coordination of regulations and standards supporting market uptake of clean aviation solutions, in particular by conducting studies, simulations and providing technical advice, while taking into account the need to eliminate barriers

Amendment

(c) assist ***and provide feedback to*** the Commission upon its request with the establishment and development coordination of regulations and standards supporting market uptake of clean aviation solutions, in particular by conducting studies, simulations and providing technical advice, while taking into account

to market entry.

the need to eliminate barriers to market entry;

Amendment 256

Proposal for a regulation Article 56 – paragraph 1 – point c a (new)

Text proposed by the Commission

Amendment

(c a) develop mechanisms to increase coordination and alignment between the activities of the Clean Aviation Joint Undertaking and the implementation of the national recovery plans;

Amendment 257

Proposal for a regulation Article 56 – paragraph 1 – point c b (new)

Text proposed by the Commission

Amendment

(c b) promote the coordination with the national research and innovation programmes, enabling an upstream collaborative roadmap and joint implementation of some activities to maximise the leverage effect of research programme synchronisation.

Amendment 258

Proposal for a regulation Article 57 – paragraph 1 – point b

Text proposed by the Commission

Amendment

(b) the founding members listed in Annex I, upon notification of their decision to ***unconditionally*** accede to the Clean Aviation Joint Undertaking by means of a letter of commitment;

(b) the founding members listed in Annex I, upon notification of their decision to accede to the Clean Aviation Joint Undertaking by means of a letter of commitment, ***whose membership shall be based on a fair balance between the Union funding received and the in-kind contribution committed, and without prejudice to the rights of other members,***

in particular SMEs, as set out in this Regulation and other relevant Union law;

Amendment 259

Proposal for a regulation Article 60 – paragraph 1 – point a

Text proposed by the Commission

(a) activities *covered under the indirect actions* of the Clean Aviation Joint Undertaking *but not funded under such indirect actions*;

Amendment

(a) activities *covering all the non-Union funded part* of the Clean Aviation Joint Undertaking *and that contribute to the achievement of the work programme of the Joint Undertaking*;

Amendment 260

Proposal for a regulation Article 60 – paragraph 1 – point d

Text proposed by the Commission

(d) private research and innovation projects complementing projects on the Strategic Research and Innovation Agenda;

Amendment

(d) private research and innovation projects complementing projects on the Strategic Research and Innovation Agenda *as well as activities contributing to the uptake of industry-specific skills across the value chain*;

Amendment 261

Proposal for a regulation Article 61 – paragraph 1 – point d

Text proposed by the Commission

(d) the European Clean Aviation Advisory Body;

Amendment

(d) the European Clean Aviation *Scientific* Advisory Body;

Amendment 262

Proposal for a regulation

Article 62 – paragraph 1 – point b

Text proposed by the Commission

(b) **nine** representatives of the members other than the Union chosen by and from the founding members and associated members ensuring a balanced representation of the aeronautical value chain such as aircraft **integrators**, engine manufactures and equipment manufacturers. The governing board shall establish in its rules of procedure a rotation mechanism for the allocation of the seats of the members other than the Union. The selected representatives shall include at least **one representative** of the European SMEs, one representative of the research organisations and one representative of the academic institutions.

Amendment

(b) **twelve** representatives of the members other than the Union chosen by and from the founding members and associated members ensuring a balanced representation of the aeronautical value chain such as aircraft **manufacturers**, engine manufactures and equipment manufacturers. The governing board shall establish in its rules of procedure a rotation mechanism for the allocation of the seats of the members other than the Union **taking into account gender balance**. The selected representatives shall include at least **two representatives** of the European SMEs, one representative of the **associated members**, one representative of the research organisations and one representative of the academic institutions.

Amendment 263

Proposal for a regulation

Article 64 – paragraph 1 – point b

Text proposed by the Commission

(b) promote the market uptake of technologies and solutions for contributing to achieving the **Green Deal's objectives and ensure the achievement of** the Joint Undertaking's specific objectives in Article 55;

Amendment

(b) promote the market uptake of technologies and solutions for contributing to achieving the Joint Undertaking's specific objectives in Article 55 **in line with the Green Deal's objectives**;

Amendment 264

Proposal for a regulation

Article 64 – paragraph 2 – introductory part

Text proposed by the Commission

2. The Governing Board shall decide in relation to the implementation of the programme and to the delivery on the Clean Aviation Joint Undertaking

Amendment

2. The Governing Board shall **assess and** decide in relation to the implementation of the programme and to the delivery on the Clean Aviation Joint

objectives, including on:

Undertaking objectives, including on:

Amendment 265

Proposal for a regulation

Article 64 – paragraph 2 – point a

Text proposed by the Commission

(a) the Strategic Research and Innovation Agenda and its possible amendments and the work programme, including on open calls for proposals;

Amendment

(a) the Strategic Research and Innovation Agenda and its possible amendments and the work programme, including on open calls for proposals, ***after consulting the Clean Aviation Scientific Advisory Body***;

Amendment 266

Proposal for a regulation

Article 64 – paragraph 2 – point b

Text proposed by the Commission

(b) the strategic multiannual planning of Clean Aviation calls and their alignment with the objectives of Horizon Europe and the related work programmes and the technical priorities and research actions, including the open calls for proposals;

Amendment

(b) the strategic multiannual planning of Clean Aviation calls and their alignment with ***overarching Union priorities and objectives as well as*** the objectives of Horizon Europe and the related work programmes and the technical priorities and research actions, including the open calls for proposals;

Amendment 267

Proposal for a regulation

Article 65 – paragraph 1 – point a

Text proposed by the Commission

(a) ***an appropriate number of*** Commission representatives and Union bodies, as decided by the representatives of the Union in the Governing Board;

Amendment

(a) ***two*** Commission representatives and Union bodies, as decided by the representatives of the Union in the Governing Board;

Amendment 268

Proposal for a regulation
Article 65 – paragraph 1 – point c

Text proposed by the Commission

(c) two senior representatives of the Clean Aviation Joint Undertaking as delegated by the Executive Director;

Amendment

(c) two senior representatives of the Clean Aviation Joint Undertaking as **observers**, delegated by the Executive Director;

Amendment 269

Proposal for a regulation
Article 65 – paragraph 5

Text proposed by the Commission

5. The Technical Committee shall **develop and maintain** the technological roadmap and strategy of the programme. It shall propose and prepare for adoption by the Governing Board, as appropriate, the scope and programming of the research actions, the technical strategy and the overall research roadmap of the Clean Aviation Joint Undertaking. A Governing Board member may be delegated to follow the activities therein.

Amendment

5. The Technical Committee shall **update and evolve** the technological roadmap and strategy of the programme **according to technical progress**. It shall propose and prepare for adoption by the Governing Board, as appropriate, the scope and programming of the research actions, the technical strategy and the overall research roadmap of the Clean Aviation Joint Undertaking. A Governing Board member may be delegated to follow the activities therein.

Amendment 270

Proposal for a regulation
Article 65 – paragraph 6 – point a

Text proposed by the Commission

(a) prepare proposals for the amendment of the Strategic Research and Innovation Agenda as needed for deliberation and final decision by the Governing Board;

Amendment

(a) **based on broad stakeholder dialogue**, prepare proposals for the amendment of the Strategic Research and Innovation Agenda as needed for deliberation and final decision by the Governing Board;

Amendment 271

Proposal for a regulation
Article 65 – paragraph 6 – point b

Text proposed by the Commission

(b) prepare proposals for the technical priorities and research actions to be included in the work programme, including the research topics for open calls for proposals;

Amendment

(b) ***based on broad stakeholder dialogue***, prepare proposals for the technical priorities and research actions to be included in the work programme, including the research topics for open calls for proposals;

Amendment 272

Proposal for a regulation
Article 65 – paragraph 6 – point d

Text proposed by the Commission

(d) propose for deliberation and final decision by the Governing Board revisions or optimisation of the technical scope of the programme in order to ***align*** the work programme ***and*** the objectives of the Clean Aviation Joint Undertaking with the overall Horizon Europe and other European partnerships' related work programmes;

Amendment

(d) propose for deliberation and final decision by the Governing Board, ***on the basis of the independent performance reviews and analysis of the programme potential impact***, revisions or optimisation of the ***Strategic Research and Innovation Agenda and the*** technical scope of the programme in order to ***keep the alignment of*** the work programme ***with*** the objectives of the Clean Aviation Joint Undertaking, with the overall ***objectives of*** Horizon Europe and ***with*** other European partnerships' related work programmes;

Amendment 273

Proposal for a regulation
Article 66 – paragraph 1 – introductory part

Text proposed by the Commission

In addition to the tasks set out in Article 18, the Executive Director of the Clean Aviation Joint Undertaking shall also carry out the following tasks:

Amendment

In addition to the tasks set out in Article 18, the Executive Director of the Clean Aviation Joint Undertaking shall also carry out the following tasks, ***under the guidance and the direction of the Governing Board***:

Amendment 274

Proposal for a regulation Article 66 – paragraph 1 – point d

Text proposed by the Commission

(d) *facilitate coordination by* the Commission in accordance with the advice of the Technical Committee between the activities of the Clean Aviation Joint Undertaking and the relevant research and innovation activities within Horizon Europe with a view to **avoiding** overlaps and **promoting** synergies;

Amendment

(d) ***be responsible, in close cooperation with*** the Commission ***and*** in accordance with the advice of the Technical Committee, ***for the coordination*** between the activities of the Clean Aviation Joint Undertaking and the relevant research and innovation activities within Horizon Europe, with a view ***of steering and implementing them*** to ***avoid*** overlaps and ***promote*** synergies ***and for defining appropriate operational mechanisms to connect collaborative research topics and the resulting projects of the Strategic Research and Innovation Agenda;***

Amendment 275

Proposal for a regulation Article 66 – paragraph 1 – point g

Text proposed by the Commission

(g) ensure that the Joint Undertaking facilitates full access to data and information for the independent impact monitoring of aviation research and innovation carried out ***under the direct supervision of the Commission*** and take any appropriate action needed to ensure the independence of this process from the Clean Aviation Joint Undertaking itself, such as by means of public procurement, independent evaluations, reviews or ad-hoc analysis. The programme's monitoring and assessment report shall be presented to the Governing Board once a year;

Amendment

(g) ensure that the Joint Undertaking facilitates full access to data and information for the independent impact monitoring of aviation research and innovation carried out and take any appropriate action needed to ensure the independence of this process from the Clean Aviation Joint Undertaking itself, such as by means of public procurement, independent evaluations, reviews or ad-hoc analysis, ***without increasing the administrative burden of the Joint Undertaking.*** The programme's monitoring and assessment report shall be presented to the Governing Board once a year;

Amendment 276

Proposal for a regulation
Article 68 – title

Text proposed by the Commission

The European Clean Aviation Advisory Body

Amendment

The European Clean Aviation **Scientific** Advisory Body

Amendment 277

Proposal for a regulation
Article 68 – paragraph 1

Text proposed by the Commission

1. The European Clean Aviation Advisory Body shall be ***the scientific advisory body of the Clean Aviation Joint Undertaking*** set up in accordance with ***point (a) of Article 19(1)***.

Amendment

1. The European Clean Aviation **Scientific** Advisory Body shall be set up in accordance with Article 19.

Amendment 278

Proposal for a regulation
Article 68 – paragraph 2

Text proposed by the Commission

2. The European Clean Aviation Advisory Body shall have no more than 15 permanent members.

Amendment

2. The European Clean Aviation **Scientific** Advisory Body shall have no more than 15 permanent members ***who are not members of any other bodies of the Clean Aviation Joint Undertaking***

Amendment 279

Proposal for a regulation
Article 68 – paragraph 3

Text proposed by the Commission

3. The chairperson of the European Aviation Advisory Body shall be elected for the duration of two years.

Amendment

3. The chairperson of the European **Clean** Aviation **Scientific** Advisory Body shall be elected ***among its permanent members*** for the duration of two years.

Amendment 280

Proposal for a regulation Article 68 – paragraph 4

Text proposed by the Commission

4. A representative of the European Union Aviation Safety Agency (EASA) shall be a permanent member of the European Aviation Advisory Body.

Amendment

4. A representative of the European Union Aviation Safety Agency (EASA) shall be a permanent member of the ***Clean*** European Aviation ***Scientific*** Advisory Body.

Amendment 281

Proposal for a regulation Article 68 – paragraph 4 a (new)

Text proposed by the Commission

Amendment

4a. At least one scientific expert shall have a background in environment and climate science in the context of aviation.

Amendment 282

Proposal for a regulation Article 71 – paragraph 1 – point a

Text proposed by the Commission

(a) to contribute to the objectives set out in the 2030 Climate Target Plan⁵¹, ***and*** the European Green Deal⁵², by raising the EU's ambition on reducing greenhouse gas emissions to at least 55% below 1990 levels by 2030, and climate neutrality by 2050;

Amendment

(a) to contribute to the objectives set out in the 2030 Climate Target Plan⁵¹, the European Green Deal⁵², ***and the European Climate Law***, by raising the Union's ambition ***in terms of energy efficiency savings and the expansion of renewables as well as*** on reducing greenhouse gas emissions to at least 55 % below 1990 levels by 2030, and ***achieving*** climate neutrality by 2050 ***at latest***;

⁵¹ COM/2020/562 final.

⁵² Communication from the Commission to the European Parliament, the European Council, the Council, the European Economic and Social Committee and the

⁵¹ COM/2020/562 final.

⁵² Communication from the Commission to the European Parliament, the European Council, the Council, the European Economic and Social Committee and the

Committee of the Regions, COM/2019/640 final.

Committee of the Regions, COM/2019/640 final.

Amendment 283

Proposal for a regulation Article 71 – paragraph 1 – point b

Text proposed by the Commission

(b) to contribute to the implementation of the 2020 **European** Commission's Hydrogen Strategy for a climate neutral Europe⁵³ ;

⁵³ COM(2020) 301 final: A hydrogen strategy for a climate-neutral Europe.

Amendment

(b) to contribute to the implementation of the 2020 Commission's Hydrogen Strategy for a climate neutral Europe⁵³, **the EU Strategy for Energy System Integration and the European Parliament's resolution of 19 May 2021 on a European Strategy for Hydrogen**;

⁵³ COM(2020) 301 final: A hydrogen strategy for a climate-neutral Europe.

Amendment 284

Proposal for a regulation Article 71 – paragraph 1 – point c

Text proposed by the Commission

(c) to strengthen the competitiveness of the Union clean hydrogen value chain, with a view to supporting, notably the SMEs involved, accelerating the market entry of innovative competitive clean solutions;

Amendment 285

Proposal for a regulation Article 71 – paragraph 1 – point d

Text proposed by the Commission

(d) to stimulate clean hydrogen

Amendment

(c) to **develop**, strengthen the **Union's leadership and** competitiveness of the Union clean hydrogen value chain, with a view to supporting notably the SMEs **and the start-ups** involved, accelerating **the research, development and** the market entry of innovative competitive clean **and energy efficient** solutions;

(d) to stimulate clean hydrogen

production, distribution, storage and end use applications.

production, distribution, **transport**, storage and end use applications.

Amendment 286

Proposal for a regulation

Article 71 – paragraph 1 – point d a (new)

Text proposed by the Commission

Amendment

(da) to accelerate research and innovation activities for the production of renewable-based hydrogen;

Amendment 287

Proposal for a regulation

Article 71 – paragraph 2 – point a

Text proposed by the Commission

Amendment

(a) improve through research and innovation the cost-effectiveness, reliability, quantity and quality of clean hydrogen solutions, including production, distribution, storage and end uses developed in the Union such as more efficient and cheaper hydrogen electrolyzers and cheaper transport and industrial applications;

(a) improve through research and innovation the cost-effectiveness, **affordability**, reliability, quantity and quality of clean hydrogen solutions, including production, distribution, **transport**, storage and end uses developed in the Union such as more efficient and cheaper hydrogen electrolyzers, **reduction of energy and conversion losses** and cheaper **aviation, maritime, and heavy-duty** transport and industrial applications **and innovative and clean hydrogen technologies as well as the safety and the availability of its production, transport and storage**;

Amendment 288

Proposal for a regulation

Article 71 – paragraph 2 – point b

Text proposed by the Commission

Amendment

(b) strengthen the knowledge and capacity of scientific and industrial actors

(b) strengthen the knowledge and capacity of scientific and industrial actors along the Union's hydrogen value chain

along the Union's hydrogen value chain;

while supporting the uptake of industry-related skills;

Amendment 289

Proposal for a regulation

Article 71 – paragraph 2 – point c

Text proposed by the Commission

(c) carry out demonstrations of clean hydrogen solutions with the view to local, regional and Union-wide deployment, addressing renewable production, distribution, storage, and use for transport and energy-intensive industries as well as other applications;

Amendment

(c) carry out demonstrations of clean hydrogen solutions with the view to local, regional and Union-wide deployment, addressing renewable production, distribution, **transport**, storage, **negative emission technologies** and use for **hard-to-abate sector such as maritime, aviation, and heavy-duty** transport, and energy-intensive industries as well as other applications;

Amendment 290

Proposal for a regulation

Article 71 – paragraph 2 – point c a (new)

Text proposed by the Commission

Amendment

(ca) increase innovative investments in the end-use sectors, with particular emphasis on the transport sector, in support of breakthrough solutions and technologies;

Amendment 291

Proposal for a regulation

Article 71 – paragraph 2 – point d

Text proposed by the Commission

(d) increase public and private awareness, acceptance, and uptake of clean hydrogen solutions, in particular through cooperation with other European partnerships under Horizon Europe.

Amendment

(d) increase public and private awareness, acceptance, and uptake of clean hydrogen solutions **and infrastructure**, in particular through cooperation with other European partnerships under Horizon Europe **as well as with initiatives such as**

the European Clean Hydrogen Alliance and in view of contributing to improve the EU safety and technical standards enhancing the safety and safe handling of the related technologies and applications.

Amendment 292

Proposal for a regulation Article 72 – paragraph 1 – point a

Text proposed by the Commission

(a) assess and monitor technological progress and technological, economic *and* societal barriers to market entry;

Amendment

(a) assess and monitor technological progress, *the progress related to necessary infrastructure as well* and technological, economic, *regulatory*, societal *and ecological* barriers to market entry *as well as impact on the environment*,

Amendment 293

Proposal for a regulation Article 72 – paragraph 1 – point b

Text proposed by the Commission

(b) notwithstanding the Commission's policy prerogatives, under the Commission's policy guidance and supervision, contribute to the development of regulations and standards with the view to eliminating barriers to market entry and to supporting interchangeability, inter-operability, and trade across the internal market and globally;

Amendment

(b) notwithstanding the Commission's policy prerogatives, under the Commission's policy guidance and supervision, contribute to the development of regulations and standards with the view to eliminating barriers to market entry, *especially for SMEs and start-ups, to minimising the environmental, climate and social impacts, including in third countries*, and to supporting *transparency*, interchangeability, inter-operability, and trade across the internal market and globally;

Amendment 294

Proposal for a regulation

Article 72 – paragraph 1 – point c

Text proposed by the Commission

(c) support the Commission in its international initiatives on the hydrogen strategy, such as the International Partnership on the Hydrogen Economy (IPHE), Mission Innovation and the Clean Energy Ministerial Hydrogen Initiative.

Amendment

(c) ***notwithstanding the Commission’s policy prerogatives, under the Commission’s policy guidance and supervision, support and provide technical expertise, including during meetings, to*** the Commission in its international initiatives on the hydrogen strategy, such as the International Partnership on the Hydrogen Economy (IPHE), Mission Innovation and the Clean Energy Ministerial Hydrogen Initiative.

Amendment 295

Proposal for a regulation

Article 73 – paragraph 1 – point b

Text proposed by the Commission

(b) the Hydrogen Europe AISBL, a ***non-profit*** organisation established under Belgian Law (registration number: 890 025 478) with its permanent office in Brussels, Belgium (the ‘Industry Grouping’), upon notification of its decision to unconditionally accede to the Clean Hydrogen Joint Undertaking by means of a letter of commitment;

Amendment

(b) the Hydrogen Europe AISBL, a ***not-for-profit*** organisation established under Belgian Law (registration number: 890 025 478) with its permanent office in Brussels, Belgium (the ‘Industry Grouping’), upon notification of its decision to unconditionally accede to the Clean Hydrogen Joint Undertaking by means of a letter of commitment, ***without prejudice to the rights of members, in particular SMEs, as set out in this Regulation and other relevant Union law;***

Amendment 296

Proposal for a regulation

Article 73 – paragraph 1 – point c

Text proposed by the Commission

(c) the Hydrogen Europe Research AISBL, a ***non-profit*** organisation established under Belgian Law (registration number: 0897 679 372) with its permanent office in Brussels, Belgium

Amendment

(c) the Hydrogen Europe Research AISBL, a ***not-for-profit*** organisation established under Belgian Law (registration number: 0897 679 372) with its permanent office in Brussels, Belgium

(the ‘Research Grouping’), upon notification of its decision to ***unconditionally*** accede to the Clean Hydrogen Joint Undertaking by means of a letter of commitment.

(the ‘Research Grouping’), upon notification of its decision to accede to the Clean Hydrogen Joint Undertaking by means of a letter of commitment, ***without prejudice to the rights of members, in particular SMEs, as set out in this Regulation and other relevant Union law.***

Amendment 297

Proposal for a regulation

Article 73 – paragraph 1 – point c a (new)

Text proposed by the Commission

Amendment

(ca) associated members selected in accordance with Article 7 subject to a decision of the Governing Board.

Amendment 298

Proposal for a regulation

Article 76 – paragraph 1 – introductory part

Text proposed by the Commission

Amendment

1. For the purpose of point (b) of Article 11(1), additional activities may include activities directly linked to the activities of the Clean Hydrogen Joint Undertaking and ***contributing to its*** objectives, including the following:

1. For the purpose of point (b) of Article 11(1), additional activities may include activities directly linked to the activities of the Clean Hydrogen Joint Undertaking, ***that have a clear link to the Strategic Research and Innovation Agenda, are funded under national or regional programmes and contribute to the objectives of the Joint Undertaking,*** including the following:

Amendment 299

Proposal for a regulation

Article 76 – paragraph 1 – point e

Text proposed by the Commission

Amendment

(e) awareness-raising activities on hydrogen technologies and safety

(e) awareness-raising activities on ***clean*** hydrogen technologies and safety measures, ***including across the value***

measures;

chain;

Amendment 300

Proposal for a regulation

Article 77 – paragraph 1 – point d a (new)

Text proposed by the Commission

Amendment

(da) the independent Scientific Advisory Board.

Amendment 301

Proposal for a regulation

Article 78 – paragraph 1 – point b

Text proposed by the Commission

Amendment

(b) six representatives of Hydrogen Europe, having regard to ***geographical***, gender, and ***sector representation***;

(b) six representatives of Hydrogen Europe, having regard to ***geography*** and gender, and ***representing different parts of the value chain with at least one representative from an SME and one from a civil society organisation***;

Amendment 302

Proposal for a regulation

Article 80 – paragraph 1 – point a

Text proposed by the Commission

Amendment

(a) foster synergies with relevant activities and programmes at Union, national, and regional level, in particular with those supporting the deployment of research and innovation solutions, infrastructure, education and regional development on the use of clean hydrogen;

(a) foster synergies with relevant activities and programmes at Union, national, and regional level, in particular with those supporting the deployment of research and innovation solutions, infrastructure, education and regional development on the use of clean hydrogen ***with a special focus on hard-to-abate sectors such as some industrial sectors, aviation, maritime, and heavy duty transport***;

Amendment 303

Proposal for a regulation Article 80 – paragraph 1 – point b

Text proposed by the Commission

(b) provide pursuant to point (b) of Article 5(2) and Article 16(1) strategic orientation as regards the collaboration with other European partnerships, including the partnerships towards zero emission road transport, zero emission waterborne, Europe's rail, clean aviation, processes for the planet and clean steel in accordance with their respective Strategic Research and Innovation Agendas or other equivalent document;

Amendment

(b) provide pursuant to point (b) of Article 5(2) and Article 16(1) strategic orientation as regards the collaboration with other European partnerships, including the partnerships towards zero emission road transport, zero emission waterborne, Europe's rail, clean aviation, processes for the planet and clean steel in accordance with their respective Strategic Research and Innovation Agendas ***as well as the EU Strategy for Energy System Integration and related initiatives on energy efficiency, electrification and renewables***, or other equivalent document;

Amendment 304

Proposal for a regulation Article 80 – paragraph 1 – point c

Text proposed by the Commission

(c) encourage market uptake of technologies and solutions ***for achieving*** the European Green Deal's objectives.

Amendment

(c) encourage market uptake of ***sustainable*** technologies and solutions ***in line with*** the European Green Deal's objectives ***and enhancing the European clean hydrogen ecosystem***.

Amendment 305

Proposal for a regulation Article 81 – paragraph 1 – point a

Text proposed by the Commission

(a) propose activities that favour synergies with relevant activities and programmes at Union, national, and regional level;

Amendment

(a) propose ***and implement, together with the relevant actors***, activities that favour synergies with relevant activities and programmes at Union, national, and regional level;

Amendment 306

Proposal for a regulation Article 81 – paragraph 1 – point b

Text proposed by the Commission

(b) support and contribute to other Union initiatives related to hydrogen, ***subject to approval by the Governing Board;***

Amendment

(b) support and contribute to other Union initiatives related to hydrogen, ***including the European Hydrogen Alliance and the IPCEI;***

Amendment 307

Proposal for a regulation Article 81 – paragraph 1 – point c

Text proposed by the Commission

(c) convene an annual European Clean Hydrogen partnership forum, which, ***where possible,*** shall be held jointly and in parallel with the European Hydrogen Forum of the Clean Hydrogen Alliance.

Amendment

(c) convene an annual European Clean Hydrogen partnership forum, which shall be held jointly and in parallel with the European Hydrogen Forum of the Clean Hydrogen Alliance.

Amendment 308

Proposal for a regulation Article 82 – paragraph 2

Text proposed by the Commission

2. The Stakeholders Group shall consist of representatives of sectors which generate, distribute, store, need or use clean hydrogen across the Union, including the representatives of other relevant European partnerships, as well as representatives of the European Hydrogen Valleys Interregional Partnership.

Amendment

2. The Stakeholders Group shall consist of representatives of sectors which generate, distribute, ***transport,*** store, need or use clean hydrogen across the Union, including the representatives of other relevant European partnerships, as well as representatives of the European Hydrogen Valleys Interregional Partnership, ***representatives from the renewable electricity sector, from civil society organisations and the scientific community.***

Amendment 309

Proposal for a regulation
Article 82 – paragraph 3 – point a

Text proposed by the Commission

(a) provide input on the strategic and the technological priorities to be addressed by the Clean Hydrogen Joint Undertaking as laid down in the Strategic Research and Innovation Agenda or any other equivalent document and associated detailed technological roadmaps, taking due account of the progress and needs in adjacent sectors;

Amendment

(a) provide input on the strategic, ***infrastructure*** and the technological priorities to be addressed by the Clean Hydrogen Joint Undertaking as laid down in the Strategic Research and Innovation Agenda or any other equivalent document and associated detailed technological roadmaps, taking due account of the progress and needs in adjacent sectors ***such as hard-to-abate sectors including some industrial sectors, aviation, maritime and heavy duty transport***;

Amendment 310

Proposal for a regulation
Article 82 – paragraph 3 – point b

Text proposed by the Commission

(b) provide suggestions to enable concrete synergies to take place between the Clean Hydrogen Joint Undertaking and the adjacent sectors or any sector with which synergies are deemed of added value;

Amendment

(b) provide suggestions to enable concrete synergies to take place between the Clean Hydrogen Joint Undertaking and the adjacent sectors or any sector with which synergies are deemed of added value, ***taking into account in particular the energy efficiency first principle and energy system integration***;

Amendment 311

Proposal for a regulation
Article 82 – paragraph 3 – point c

Text proposed by the Commission

(c) provide input to the annual European Hydrogen Forum of the Clean Hydrogen Alliance.

Amendment

(c) provide input to the annual ***European Clean Hydrogen partnership forum and*** European Hydrogen Forum of the Clean Hydrogen Alliance.

Amendment 312

Proposal for a regulation Article 82 a (new)

Text proposed by the Commission

Amendment

Article 82a

Scientific Advisory Board

- 1. The Clean Hydrogen Joint Undertaking shall set up an independent Scientific Advisory Board as referred to in Articles 19 and 77 in order to seek for scientific advice from independent high-level academic experts.*
- 2. The independent Scientific Advisory Board shall have no more than 15 permanent members and shall elect its Chair from among its members for a period of two years.*
- 3. The independent Scientific Advisory Board may advise at the request of the Governing Board and other bodies of the Clean Hydrogen Joint Undertaking, or on its own initiative.*
- 4. The independent Scientific Advisory Board shall collaborate with the relevant advisory bodies set up under Horizon Europe.*

Amendment 313

Proposal for a regulation Article 83 – paragraph 1 – point b

Text proposed by the Commission

Amendment

(b) ensure a fast transition to more attractive, user-friendly, competitive, affordable, efficient and sustainable European rail system, integrated into the wider mobility system;

(b) ensure a fast transition to ***a safer,*** more attractive, user-friendly, competitive, affordable, efficient, ***inclusive, more digital*** and sustainable European rail system, integrated into the wider mobility system;

Amendment 314

Proposal for a regulation
Article 83 – paragraph 2 – point a

Text proposed by the Commission

(a) deliver an integrated European railway network by design, eliminating barriers to interoperability and providing solutions for full integration, covering traffic management, vehicles, infrastructure and services, and providing the best answer to the needs of passengers and businesses, accelerating uptake of innovative solutions to support the Single European Railway Area, while increasing capacity and reliability and decreasing costs of railway transport;

Amendment

(a) deliver an integrated European railway network by design, eliminating barriers to interoperability and providing solutions for full integration, covering traffic management, vehicles, infrastructure and services, ***including through-ticketing, and rights*** of passengers, ***rail workers*** and businesses, accelerating uptake of innovative solutions to support the Single European Railway Area, while increasing capacity and reliability and decreasing costs of railway transport;

Amendment 315

Proposal for a regulation
Article 83 – paragraph 2 – point c

Text proposed by the Commission

(c) develop through its System Pillar a unified operational concept and a functional system architecture for integrated European rail traffic management, command, control and signalling systems, including automated train operation which shall ensure that research and innovation is targeted on commonly agreed and shared customer requirements and operational needs is open to evolution;

Amendment

(c) develop through its System Pillar a unified operational concept and a functional system architecture for integrated European rail traffic management, command, control and signalling systems, including automated train operation which shall ensure that research and innovation is targeted on commonly agreed and shared customer requirements and operational needs is open to evolution; ***the unified operational concept and functional architecture for integrated European rail traffic management shall be interoperable for the whole railway network (TEN-T core and comprehensive network, main lines and regional lines not included in the TEN-T).***

Amendment 316

Proposal for a regulation
Article 83 – paragraph 2 – point e

Text proposed by the Commission

(e) develop demonstration projects in interested member states including those that do not currently have a rail system established within their territory;

Amendment

(e) develop demonstration projects in interested member states including those that do not currently have a rail system established within their territory. ***Such projects, including Large Scale Demonstration projects, shall cover the Union as widely as possible, transparently and in a geographically diverse way.***

Amendment 317

Proposal for a regulation
Article 83 – paragraph 2 – point f

Text proposed by the Commission

(f) contribute to the development of a strong and globally competitive European rail industry.

Amendment

(f) contribute to the development of a strong and globally competitive European rail industry ***with its strong supply chain and highly innovative ecosystem including high-tech SMEs.***

Amendment 318

Proposal for a regulation
Article 83 – paragraph 2 – point f a (new)

Text proposed by the Commission

Amendment

(fa) contribute to eliminating the barriers that currently hamper the full inclusiveness of the rail transport, with specific reference to persons with disabilities;

Amendment 319

Proposal for a regulation
Article 83 – paragraph 2 – point f b (new)

Text proposed by the Commission

Amendment

(fb) develop the next generation track construction techniques that includes all components from the substructure to the tracks and the superstructure;

Amendment 320

Proposal for a regulation

Article 83 – paragraph 2 – point f c (new)

Text proposed by the Commission

Amendment

(fc) support the development of innovative solutions beneficial to rail commuters, including those living in sparsely populated and under-populated areas.

Amendment 321

Proposal for a regulation

Article 84 – paragraph 1

Text proposed by the Commission

Amendment

1. In addition to the tasks set out in Article 5, the Europe's Rail Joint Undertaking together with the Commission shall also prepare and submit for adoption by the Governing Board the Master Plan, developed in consultation with all relevant stakeholders in the railway system and rail supply industry.

1. In addition to the tasks set out in Article 5, the Europe's Rail Joint Undertaking together with the Commission shall also prepare and submit for adoption by the Governing Board the Master Plan, developed in consultation with all relevant stakeholders in the railway system and rail supply industry ***including at the local, regional and national level.***

Amendment 322

Proposal for a regulation

Article 84 – paragraph 5 – point a – introductory part

Text proposed by the Commission

Amendment

(a) develop in its System Pillar a system view that brings together the rail

(a) develop in its System Pillar ***an interoperable*** a system view that brings

manufacturing industry, the rail operating community and other rail private and public stakeholders, including bodies representing customers, such as passengers and freight **and staff**, as well as relevant actors outside the traditional rail sector. The “system view” shall encompass:

together the rail manufacturing industry, the rail operating community and other rail private and public stakeholders, including **Member States representatives and** bodies representing customers, such as passengers and freight as well as **workers, and other** relevant actors outside the traditional rail sector. The “system view” shall encompass:

Amendment 323

Proposal for a regulation

Article 84 – paragraph 5 – point a – point iv

Text proposed by the Commission

iv. ensuring that the necessary interfaces with other modes are assessed and validated, in particular for freight and passenger flows.

Amendment

iv. ensuring that the necessary interfaces with other modes, **as well as with urban and regional rail systems**, are assessed and validated, in particular for freight and passenger flows.

Amendment 324

Proposal for a regulation

Article 85 – paragraph 1 – point b

Text proposed by the Commission

(b) the founding members listed in Annex II, upon notification of their decision to unconditionally accede to the Joint Undertaking by means of a letter of commitment;

Amendment

(b) the founding members listed in Annex II, upon notification of their decision to unconditionally accede to the Joint Undertaking by means of a letter of commitment, **which shall be based on a fair balance between the Union funding received and the contribution committed; without prejudice to the rights of members, in particular SMEs, as set out in this Regulation and other relevant Union law;**

Amendment 325

Proposal for a regulation

Article 85 – paragraph 2 a (new)

Text proposed by the Commission

Amendment

2a. By way of derogation from Article 7(2) the assessment of applications for membership from any legal entity established in a country associated to the Horizon Europe Programme shall be subject to the proportionate increase of the Union contribution from the Horizon Europe Programme to the Europe's Rail Joint Undertaking by contributions from the corresponding country associated to Horizon Europe Programme.

Amendment 326

Proposal for a regulation Article 88 – paragraph 1 – point d

Text proposed by the Commission

Amendment

(d) uptake of results of activities funded under the Shift2Rail Joint Undertaking, further exploitation, demonstration activities and standardisation.

(d) uptake of results **and deployment** of activities funded under the Shift2Rail Joint Undertaking, **including update of Technical Specifications for Interoperability**, further exploitation, demonstration activities and standardisation;

Amendment 327

Proposal for a regulation Article 88 – paragraph 1 – point d a (new)

Text proposed by the Commission

Amendment

(d a) European authorisation and certification activities related to Europe's rail solutions from the Europe's Rail Joint Undertaking projects or its previous initiatives.

Amendment 328

Proposal for a regulation Article 89 – paragraph 1 – point e a (new)

Text proposed by the Commission

Amendment

(ea) Scientific Advisory Board.

Amendment 329

Proposal for a regulation Article 89 – paragraph 2

Text proposed by the Commission

Amendment

2. In addition, the Europe's Rail Joint Undertaking may set up a scientific steering group or seek scientific advice from independent academic experts or from shared scientific advisory bodies.

deleted

Amendment 330

Proposal for a regulation Article 91 – paragraph 2

Text proposed by the Commission

Amendment

2. The chairperson ***or*** the vice-chairperson of the States' Representatives Group shall be invited on a permanent basis to attend meetings of the Governing Board as observers and take part in its deliberations, but shall have no voting rights. Representatives of the European Union Agency for Railways and of the European Rail Research Advisory Council shall be invited to attend meetings of the Governing Board as observers and take part in its deliberation, but shall have no voting rights.

2. The chairperson ***and*** the vice-chairperson of the States' Representatives Group shall be invited on a permanent basis to attend meetings of the Governing Board as observers and take part in its deliberations, but shall have no voting rights. Representatives of the European Union Agency for Railways and of the European Rail Research Advisory Council shall be invited to attend meetings of the Governing Board as observers and take part in its deliberation, but shall have no voting rights.

Amendment 331

Proposal for a regulation

Article 91 – paragraph 4 a (new)

Text proposed by the Commission

Amendment

4a. In accordance with Article 15(2), the Union shall have 50 % of the voting right in the Governing Board and the vote of the Union shall be indivisible. The remaining voting rights shall be distributed between other members of the Governing Board proportionally to the contribution of the members they represent to the funds of the Europe's Rail Joint Undertaking.

Amendment 332

Proposal for a regulation

Article 92 – paragraph 1 – point b

Text proposed by the Commission

Amendment

(b) adopt the work programmes, including the budget, of the System Pillar and their amendments based on recommendations made by the System Pillar Steering Group and on the proposals of the Executive Director.

(b) adopt the work programmes, including the budget, of the System Pillar and their amendments based on recommendations made by the System Pillar Steering Group and **by the advisory bodies of the Joint Undertaking** and on the proposals of the Executive Director .

Amendment 333

Proposal for a regulation

Article 93 – paragraph 1

Text proposed by the Commission

Amendment

1. The System Pillar Steering Group shall be composed of representatives of the Commission, representatives of the rail and mobility sector and of relevant organisations, the Executive Director of the Europe's Rail Joint Undertaking and representatives of the European Union Agency for Railways. The Commission shall take the final decision on the composition of the Group. When justified, the Commission may invite additional

1. The System Pillar Steering Group shall be composed of representatives of the Commission, representatives of the rail and mobility sector and of relevant organisations, the Executive Director of the Europe's Rail Joint Undertaking and representatives of the European Union Agency for Railways. The Commission shall take the final decision on the composition of the Group **also taking into due account gender balance and**

relevant experts and stakeholders to attend the meetings of the System Pillar Steering Group as observers.

geographical diversity. When justified, the Commission may invite additional relevant experts and stakeholders to attend the meetings of the System Pillar Steering Group as observers.

Amendment 334

Proposal for a regulation Article 94 – paragraph 2

Text proposed by the Commission

2. The Deployment Group shall be open to all stakeholders as the System Pillar Steering Group. The Governing Board shall select the members of the Deployment Group and set out in particular the size and composition of the Deployment Group, the duration of the mandate and the terms of renewal of its members. The composition of the Deployment Group shall ensure appropriate thematic focus and representativeness. The list of members shall be published on the website of the Europe's Rail Joint Undertaking.

Amendment

2. The Deployment Group shall be open to all stakeholders as the System Pillar Steering Group. The Governing Board shall select the members of the Deployment Group and set out in particular the size and composition of the Deployment Group, the duration of the mandate and the terms of renewal of its members. The composition of the Deployment Group shall ensure appropriate thematic focus and representativeness ***including with reference to end-user and passenger associations as well as worker representatives***. The list of members shall be published on the website of the Europe's Rail Joint Undertaking.

Amendment 335

Proposal for a regulation Article 96 a (new)

Text proposed by the Commission

Amendment

Article 96a

Scientific Advisory Board

1. Europe's Rail Joint Undertaking shall set up an independent Scientific Advisory Board as referred to in Articles 19 and 89 in order to seek scientific advice from independent high-level academic experts.

2. *The independent Scientific Advisory Board shall have no more than 15 permanent members and shall elect its Chair from among its members for a period of two years.*

3. *The independent Scientific Advisory Board may advise at the request of the Governing Board and other bodies of the Europe's Rail Joint Undertaking or on its own initiative.*

4. *The independent Scientific Advisory Board shall collaborate with the relevant advisory bodies set up under Horizon Europe.*

Amendment 336

Proposal for a regulation

Article 97 – paragraph 1 – point a

Text proposed by the Commission

(a) to reduce the socio-economic burden of infectious diseases in sub-Saharan Africa promoting the development and uptake of new or improved health technologies;

Amendment

(a) to reduce the socio-economic burden of infectious diseases, *in particular poverty-related and neglected diseases*, in sub-Saharan Africa promoting the development and uptake of new or improved health technologies, *diagnosis and treatments that are affordable, accessible and suitable for low resource settings*;

Amendment 337

Proposal for a regulation

Article 97 – paragraph 2 – point b

Text proposed by the Commission

(b) to strengthen research and innovation capacity and the national health research systems in sub-Saharan Africa for tackling infectious diseases;

Amendment

(b) to strengthen *and increase* research and innovation capacity and the national health research systems in sub-Saharan Africa for tackling infectious diseases;

Amendment 338

Proposal for a regulation
Article 97 – paragraph 2 – point b a (new)

Text proposed by the Commission

Amendment

(b a) to increase the proportion of projects with African leadership;

Amendment 339

Proposal for a regulation
Article 98 – paragraph 1 – point d a (new)

Text proposed by the Commission

Amendment

(d a) promoting synergies, collaboration and joint actions with the European Development Fund and the Neighbourhood, Development and International Cooperation Instrument, in particular for capacity building and sharing facilities and infrastructures.

Amendment 340

Proposal for a regulation
Article 99 – paragraph 1 – point b

Text proposed by the Commission

Amendment

(b) the EDCTP Association, a ***non-profit*** organisation established under Dutch law, upon notification of its decision to unconditionally accede to the Global Health EDCTP3 joint undertaking by means of a letter of commitment.

(b) the EDCTP Association, a ***not-for-profit*** organisation established under Dutch law, upon notification of its decision to unconditionally accede to the Global Health EDCTP3 joint undertaking by means of a letter of commitment, ***without prejudice to the rights of members, in particular SMEs, as set out in this Regulation and other relevant Union law.***

Amendment 341

Proposal for a regulation

Article 102 – paragraph 2 – point a

Text proposed by the Commission

(a) activities of constituent entities of the EDCTP Association aligned with similar activities from other constituent entities of the EDCTP Association and independently managed in accordance with national funding rules;

Amendment

(a) activities of constituent entities of the EDCTP Association **demonstrably** aligned, **coordinated or co-programmed** with similar activities from other constituent entities of the EDCTP Association and independently managed in accordance with national funding rules;

Amendment 342

Proposal for a regulation

Article 106 – paragraph 1 a (new)

Text proposed by the Commission

Amendment

1a. The scientific committee shall be set up in accordance with Article 19 and shall be composed of stakeholders that are gender balanced and geographically and thematically diverse, and shall, in particular, ensure the inclusion of scientific expertise from African countries.

Amendment 343

Proposal for a regulation

Article 106 – paragraph 2 – point j a (new)

Text proposed by the Commission

Amendment

(ja) assess applications of contributing partners to the Global Health Joint Undertaking, and advise the governing board on rejecting or accepting applications and on the scope of any potential collaboration .

Amendment 344

Proposal for a regulation

Article 107 – paragraph -1 (new)

Text proposed by the Commission

Amendment

-1. The Stakeholders Group shall be composed of stakeholders that are gender balanced and geographically and thematically diverse covering, , in particular, expertise from African countries, and shall aim to foster membership and meaningful involvement of civil society, especially NGOs working with communities most affected by poverty-related and neglected infectious diseases.

Amendment 345

Proposal for a regulation

Article 107 – paragraph 1 – introductory part

Text proposed by the Commission

Amendment

In addition to the tasks set out in Article 21, the Stakeholders' Group shall also perform the following tasks:

2. In addition to the tasks set out in Article 21, the Stakeholders' Group shall also perform the following tasks:

Amendment 346

Proposal for a regulation

Article 111 – title

Text proposed by the Commission

Amendment

Collaboration with **the** European Medicine Agency and European Centre for Disease Prevention and Control

Collaboration with **African and** European Medicine Agency and European Centre for Disease Prevention and Control **and other relevant agencies and organisations**

Amendment 347

Proposal for a regulation

Article 111 – paragraph 1

Text proposed by the Commission

Amendment

The Global Health EDCTP3 Joint

The Global Health EDCTP3 Joint

Undertaking shall ensure a close collaboration with the European Medicine Agency and European Centre for Disease Prevention and Control.

Undertaking shall ensure a close collaboration with the European Medicine Agency and European Centre for Disease Prevention and Control, *as well as with relevant African agencies and organisations, including the African Centres for Disease Control and Prevention, African Union's Regional Economic Communities, AUDA-NEPAD and the African Academy of Sciences.*

Amendment 348

Proposal for a regulation Article 112 – paragraph 1

Text proposed by the Commission

Participants to indirect actions funded by the Global Health EDCTP3 Joint Undertaking shall ensure that the products and services developed based or partly based on the results of the indirect action are available *and* accessible to the public at fair and reasonable conditions. For that purpose, *where relevant*, the work programme shall specify additional exploitation obligations applicable to specific indirect actions.

Amendment

Participants to indirect actions funded by the Global Health EDCTP3 Joint Undertaking shall ensure that the products and services developed based or partly based on the results of the indirect action are available, accessible *and affordable for vulnerable populations and* to the public *in general, in particular in low-resource settings* to the public at fair and reasonable conditions. For that purpose the work programme shall specify additional exploitation obligations applicable to specific indirect actions.

Amendment 349

Proposal for a regulation Article 113 – paragraph 1 – point b

Text proposed by the Commission

(b) foster the development of safe, effective, people-centred *and* cost-effective innovations that respond to strategic unmet public health needs, by exhibiting, in at least five examples, the feasibility of integrating health care products or services, with demonstrated suitability for uptake by health care systems. The related projects should address the prevention, diagnosis,

Amendment

(b) foster the development of safe, effective, people-centred, *affordable for patients and for healthcare systems*, cost-effective innovations, *products and treatments* that respond to strategic unmet public health needs, by exhibiting, in at least five examples, the feasibility of integrating health care products or services, with demonstrated suitability for uptake by

treatment and/or management of diseases affecting the Union population, including **contribution to** Europe's Beating Cancer Plan;

health care systems. The related projects should address the **surveillance**, prevention, diagnosis, treatment and/or management of diseases affecting the Union population, including **the fight against cancer in synergy with the** Europe's Beating Cancer Plan **and supporting the establishment of the European Cancer Institute and the European One Health Action Plan against Antimicrobial Resistance**;

Amendment 350

Proposal for a regulation Article 113 – paragraph 1 – point c

Text proposed by the Commission

(c) drive cross-sectoral health innovation for a globally competitive European health industry, and contribute to reaching the objectives of the new Industrial Strategy for Europe and the Pharmaceutical Strategy for Europe.

Amendment

(c) drive cross-sectoral health innovation for a globally competitive European health industry, and contribute to reaching the objectives of the new Industrial Strategy for Europe **including its update**, and the Pharmaceutical Strategy for Europe.

Amendment 351

Proposal for a regulation Article 113 – paragraph 2 – point a

Text proposed by the Commission

(a) contribute towards a better understanding of the determinants of health and priority disease areas;

Amendment

(a) contribute towards a better understanding of the determinants of health **unmet medical needs, emergency preparedness, infectious and rare diseases, including socio-economic and environmental factors that influence the health status of a person** and priority disease areas;

Amendment 352

Proposal for a regulation Article 113 – paragraph 2 – point b

Text proposed by the Commission

(b) integrate fragmented health research and innovation efforts bringing together health industry sectors and other stakeholders, focussing on unmet public health needs, to enable the development of tools, data, platforms, technologies and processes for improved prediction, prevention, interception, diagnosis, treatment and management of diseases, meeting the needs of end-users;

Amendment

(b) integrate fragmented health research and innovation efforts bringing together health industry sectors and other stakeholders, focussing on unmet public health needs, to enable the development of tools, data, platforms, technologies and processes for improved prediction, prevention, interception, diagnosis, treatment and management of diseases, meeting the needs of *patients and* end-users *and overcoming market failure for unmet medical needs*;

Amendment 353

Proposal for a regulation
Article 113 – paragraph 2 – point d

Text proposed by the Commission

(d) exploit the full potential of digitalisation and data exchange in health care;

Amendment

(d) exploit the full potential of digitalisation and data exchange in health care, *deploying synergies with initiatives such as the European Health Data Space, while respecting principles of data protection in accordance with the Regulation (EU) 2018/1725 of the European Parliament and of the Council*^{1a},

^{1a} *Regulation (EU) 2018/1725 of the European Parliament and of the Council of 23 October 2018 on the protection of natural persons with regard to the processing of personal data by the Union institutions, bodies, offices and agencies and on the free movement of such data, and repealing Regulation (EC) No 45/2001 and Decision No 1247/2002/EC (OJ L 295, 21.11.2018, p. 39).*

Amendment 354

Proposal for a regulation
Article 113 – paragraph 2 – point e a (new)

Text proposed by the Commission

Amendment

(ea) enhance the European research on rare diseases and develop synergies with other initiatives in the field.

Amendment 355

Proposal for a regulation
Article 114 – paragraph 1 – point a

Text proposed by the Commission

Amendment

(a) foster close and long-term cooperation between the Union, other members, contributing partners, and other stakeholders involved in health care such as other relevant industries, health care authorities (such as regulatory bodies, health technology assessment bodies and payers), patient organisations, health care professionals and providers, as well as ***the*** academia;

(a) foster close and long-term cooperation between the Union, other members, contributing partners, and other stakeholders involved in health care such as other relevant industries, health care authorities (such as regulatory bodies, health technology assessment bodies and payers), patient organisations, health care professionals and providers, as well as academia ***and civil society organisations;***

Amendment 356

Proposal for a regulation
Article 114 – paragraph 1 – point c

Text proposed by the Commission

Amendment

(c) ensure that all stakeholders have the possibility of proposing areas for future calls for proposals;

(c) ensure that all stakeholders have the possibility of proposing areas for future calls for ***proposals based on regular open consultations and the organisation of an annual Stakeholder Forum meeting;***

Amendment 357

Proposal for a regulation

Article 114 – paragraph 1 – point c a (new)

Text proposed by the Commission

Amendment

(ca) ensure that beneficiaries commit to the principles of access, effectiveness, affordability and availability;

Amendment 358

Proposal for a regulation

Article 114 – paragraph 1 – point d

Text proposed by the Commission

Amendment

(d) regularly review and make any necessary adjustments to the Strategic Research and Innovation Agenda of the Innovative Health Initiative Joint Undertaking in light of scientific developments occurring during its implementation or emerging public health needs;

(d) regularly review and make any necessary adjustments to the Strategic Research and Innovation Agenda of the Innovative Health Initiative Joint Undertaking in light of scientific developments occurring during its implementation or emerging public health needs ***and emergencies in collaboration with health professionals and patient associations as well as with the Innovation Panel;***

Amendment 359

Proposal for a regulation

Article 114 – paragraph 1 – point e

Text proposed by the Commission

Amendment

(e) publish information on the projects, including participating entities and the amount of the financial contribution of the Innovative Health Initiative Joint Undertaking and committed in-kind contributions per participant;

(e) publish ***in a timely manner*** information on the projects, including participating entities and the amount of the financial contribution of the Innovative Health Initiative Joint Undertaking and committed in-kind contributions per participant;

Amendment 360

Proposal for a regulation

Article 114 – paragraph 1 – point f

Text proposed by the Commission

(f) organise regular communication, including at least one annual meeting with interest groups and with its stakeholders to ensure openness and transparency of the research and innovation activities of the Innovative Health Initiative Joint Undertaking;

Amendment

(f) organise regular communication, including at least one annual meeting with interest groups and with its stakeholders to ensure ***inclusiveness***, openness and transparency of the research and innovation activities of the Innovative Health Initiative Joint Undertaking;

Amendment 361

**Proposal for a regulation
Article 115 – paragraph 1 – point b**

Text proposed by the Commission

(b) the European Coordination Committee of the Radiological, Electromedical and healthcare IT Industry (COCIR), the European Federation of Pharmaceutical Industries and Associations, EuropaBio, MedTech Europe, VaccinesEurope, upon notification of their respective decisions to unconditionally accede to the Innovative Health Joint Undertaking by means of a letter of commitment;

Amendment

(b) the European Coordination Committee of the Radiological, Electromedical and healthcare IT Industry (COCIR), the European Federation of Pharmaceutical Industries and Associations, EuropaBio, MedTech Europe, VaccinesEurope, upon notification of their respective decisions to unconditionally accede to the Innovative Health Joint Undertaking by means of a letter of commitment, ***without prejudice to the rights of members, in particular SMEs, as set out in this Regulation and other relevant Union law***;

Amendment 362

**Proposal for a regulation
Article 117 – paragraph 5**

Text proposed by the Commission

5. Costs incurred in indirect actions in third countries other than countries associated to Horizon Europe shall be justified and relevant to the objectives set out in Article 113. They shall not exceed 20% of the in-kind contributions to operational costs provided by members other than the Union and by contributing

Amendment

5. Costs incurred in indirect actions in third countries other than countries associated to Horizon Europe shall be justified and relevant to the objectives set out in Article 113 ***and shall have positive externalities on the Union***. They shall not exceed 20 % of the in-kind contributions to operational costs provided by members

partners at the level of the Innovative Health Initiative programme. Costs in excess of 20% of the in-kind contributions to operational costs at the level of the Innovative Health Initiative programme shall not be considered as in-kind contributions to operational costs.

other than the Union and by contributing partners at the level of the Innovative Health Initiative programme. Costs in excess of 20 % of the in-kind contributions to operational costs at the level of the Innovative Health Initiative programme shall not be considered as in-kind contributions to operational costs.

Amendment 363
Proposal for a regulation
Article 118 – paragraph 2

Text proposed by the Commission

2. Where relevant, project proposals shall include a plan for their related additional activities. Costs associated to such project-specific additional activities must be incurred between the date of submission of the proposal and up to *two* years after the end date of the indirect action.

Amendment

2. Where relevant, project proposals shall include a plan for *quantifying* their related additional activities. Costs associated to such project-specific additional activities must be incurred between the date of submission of the proposal and up to *three* years after the end date of the indirect action.

Amendment 364

Proposal for a regulation
Article 119 – paragraph 1 – point c a (new)

Text proposed by the Commission

Amendment

(c a) the independent Scientific Advisory Board;

Amendment 365

Proposal for a regulation
Article 122 – paragraph 1

Text proposed by the Commission

1. The Innovation Panel *shall* advise the Governing Board on matters relevant to the research and innovation activities of the Innovative Health Initiative Joint Undertaking *in application of Article 19*.

Amendment

1. ***Based on the opinions of the Scientific Advisory Board referred to in Article 19***, the Innovation Panel *may further* advise the Governing Board on matters relevant to the research and innovation activities of the Innovative

Amendment 366

Proposal for a regulation

Article 122 – paragraph 2 – introductory part

Text proposed by the Commission

2. The Innovation Panel shall be composed of the following ***permanent panellists***:

Amendment

2. The Innovation Panel shall be composed of the following ***members***:

Amendment 367

Proposal for a regulation

Article 122 – paragraph 2 – point d

Text proposed by the Commission

(d) ***two*** representatives of the scientific community, ***appointed by the Governing Board following an open selection process in application of Article 19(4)***;

Amendment

(d) ***four*** representatives of the scientific community;

Amendment 368

Proposal for a regulation

Article 122 – paragraph 2 – point e

Text proposed by the Commission

(e) ***up to six permanent panellists, appointed by the Governing Board following an open selection process in application of Article 19(4), ensuring in particular appropriate representation*** of stakeholders involved in health care, covering notably the public sector, patients and end-users in general;

Amendment

(e) six ***representatives*** of stakeholders involved in health care, covering notably the public sector, patients and end-users in general, ***appointed by the Governing Board following an open and transparent selection process in application of Article 19(2) and (4)***;

Amendment 369

Proposal for a regulation
Article 122 – paragraph 3 – subparagraph 1

Text proposed by the Commission

The panellists representing of the members of the *Innovative Health Initiative Joint Undertaking* may appoint ad hoc panellists where appropriate to discuss specific subjects. They may jointly appoint a maximum of six ad hoc panellists for each meeting.

Amendment

The members of the *Innovation Panel* may appoint ad hoc panellists where appropriate to discuss specific subjects. They may jointly appoint a maximum of six ad hoc panellists for each meeting.

Amendment 370

Proposal for a regulation
Article 122 – paragraph 3 – subparagraph 3

Text proposed by the Commission

The *panellists representing* members of the *Innovative Health Initiative Joint Undertaking* shall appoint ad hoc panellists consensually for a fixed period. They shall communicate their decisions to the programme office and the other permanent panellists.

Amendment

The members of the *Innovation Panel* shall appoint ad hoc panellists consensually for a fixed period. They shall communicate their decisions to the programme office and the other permanent panellists.

Amendment 371

Proposal for a regulation
Article 122 – paragraph 3 a (new)

Text proposed by the Commission

Amendment

3a. The Innovation Panel shall be assisted by an independent Scientific Advisory Board in particular regarding the advice on scientific, strategic and technological priorities related to the Innovative Health Initiative Joint Undertaking's objectives.

Amendment 372

Proposal for a regulation

Article 122 – paragraph 4 – point a

Text proposed by the Commission

(a) scientific priorities;

Amendment

(a) scientific priorities, ***on the basis of the advice received by the independent Scientific Advisory Board;***

Amendment 373

Proposal for a regulation

Article 122 – paragraph 4 – point e

Text proposed by the Commission

(e) creation of synergies with other Horizon Europe activities, including other European partnerships, as well as other Union funding programmes and national funding programmes.

Amendment

(e) creation of synergies with other Horizon Europe activities, including other European partnerships ***and missions, and in particular with Global Health Joint Undertaking,*** as well as other Union funding programmes and national funding programmes.

Amendment 374

Proposal for a regulation

Article 122 – paragraph 4 – point e a (new)

Text proposed by the Commission

Amendment

(ea) societal uptake, accessibility and affordability of project results;

Amendment 375

Proposal for a regulation

Article 122 – paragraph 5

Text proposed by the Commission

5. The Innovation Panel shall ***be chaired by the Executive Director.*** In duly justified cases, the ***Executive Director*** may ***appoint a senior*** member of ***staff of the Innovative Health Initiative Joint Undertaking programme office*** to chair

Amendment

5. The ***permanent representatives of the*** Innovation Panel shall ***elect a Chair from among its members, in accordance with Article 19(5).*** In duly justified cases, the ***chair of the Innovation Panel*** may ***exceptionally*** appoint ***another*** member of ***the Innovation Panel among those***

the Innovation Panel on his or her behalf.

representing the scientific community to chair the Innovation Panel on his or her behalf.

Amendment 376

Proposal for a regulation Article 122 – paragraph 6

Text proposed by the Commission

6. As part of the report referred to in Article 19(8), the ***panellists representing the members of the Innovative Health Initiative Joint Undertaking*** shall adopt motions regarding the matters referred to in paragraph 4 by consensus after discussions with all panellists present at the meeting. Failing consensus, the chairperson shall report the situation to the Governing Board. Each ***panellist*** may express a dissenting opinion in the report.

Amendment

6. As part of the report referred to in Article 19(8), the members of the ***Innovation Panel*** shall adopt motions regarding the matters referred to in paragraph 4 by consensus after discussions with all panellists present at the meeting. Failing consensus, the chairperson shall report the situation to the Governing Board. Each ***member of the Innovation Panel*** may express a dissenting opinion in the report.

Amendment 377

Proposal for a regulation Article 122 – paragraph 7

Text proposed by the Commission

7. The Innovation Panel shall hold its ordinary meetings at least twice a year. It may hold extraordinary meetings at the request of panellists representing the Commission or ***a majority of the panellists representing the members other than the Union.***

Amendment

7. The Innovation Panel shall hold its ordinary meetings at least twice a year. It may hold extraordinary meetings at the request of panellists representing the Commission or ***at least one quarter of its members other than the Union.***

Amendment 378

Proposal for a regulation Article 122 – paragraph 8

Text proposed by the Commission

8. The ***panellists*** of the Innovation Panel shall exchange any relevant

Amendment

8. The ***members*** of the Innovation Panel shall exchange any relevant

information and discuss their ideas prior to the meetings in any appropriate form. They shall coordinate their activities with those of any other advisory group, as appropriate.

information and discuss their ideas prior to the meetings in any appropriate form. They shall coordinate their activities with those of any other advisory group, as appropriate.

Amendment 379

Proposal for a regulation Article 122 – paragraph 8 a (new)

Text proposed by the Commission

Amendment

8a. The members of the Innovation Panel shall be appointed on the basis of their competences and expertise, in order to ensure the provision of science-based and health needs-based recommendations to the joint undertaking.

Amendment 380

Proposal for a regulation Article 122 – paragraph 8 b (new)

Text proposed by the Commission

Amendment

8b. The Stakeholders Group shall regularly organise open public consultations including on planned initiatives, promote international collaboration, encourage exploitation of research and innovation results, and foster cooperation and the creation of synergies with other Union and global initiatives.

Amendment 381

Proposal for a regulation Article 122 a (new)

Text proposed by the Commission

Amendment

Article 122a

Independent Scientific Advisory Board

In addition to the tasks set out in Article 19, the independent Scientific Advisory Board shall also perform the following tasks:

(a) provide input on the scientific, strategic and technological and innovation priorities to be addressed by the Innovative Health Initiative Joint Undertaking as laid down in the Strategic Research and Innovation Agenda and subsequent work programmes, or any other equivalent documents and taking into account the needs of adjacent sectors;

(b) provide suggestions to enable concrete synergies between the Innovative Health Initiative Joint Undertaking and programmes, policies and sectors with which synergies are deemed of added value;

(c) provide advice to the Governing Board on strategies to promote scientific excellence;

(d) provide input to the Innovation Panel.

The independent Scientific Advisory Board shall consist of eight independent representatives appointed following an open selection process in accordance with Article 19(4). The membership of the independent Scientific Advisory Board shall be gender balanced and geographically diverse.

The independent Scientific Advisory Board shall adopt its rules of procedure.

Amendment 382

Proposal for a regulation Article 123 – paragraph 1

Text proposed by the Commission

1. For the purpose of this Regulation, an unmet public health need shall be defined as a need currently not addressed by the **health care** systems for availability

Amendment

1. For the purpose of this Regulation, an unmet public health need shall be defined as a **health** need currently not addressed by the **healthcare** systems for

or accessibility reasons, for example where there is no satisfactory method of diagnosis, prevention or treatment for a given health condition or if people access to health care is limited because of cost, distance to health facilities or waiting times. People-centred care refers to an approach to care that consciously adopts individuals', carers', families' and communities' perspectives and considers them as participants as well as beneficiaries of health care systems that are organised around their needs and preferences rather than individual diseases.

availability, **affordability** or accessibility reasons, for example where there is no satisfactory method of diagnosis, prevention or treatment for a given **public health challenge, both communicable and non-communicable diseases, or** health condition or if people access to health care is limited because of cost, **including out-of-pocket payments**, distance to health facilities or waiting times. **The definition of unmet public health need shall also take into account the challenges listed by recent reports of reliable sources, such as European agencies and bodies and the World Health Organization, with particular attention to the indicators and priority medicines list developed by WHO Europe.** People-centred care refers to an approach to care that consciously adopts individuals', carers', families' and communities' perspectives and considers them as participants as well as beneficiaries of health care systems that are organised around their needs and preferences rather than individual diseases.

Amendment 383

Proposal for a regulation Article 123 – paragraph 2

Text proposed by the Commission

2. Indirect actions funded by the Innovative Health Initiative Joint Undertaking may include clinical studies where the targeted area or the intended use represents an unmet public health need, **significantly** affecting or threatening the Union's population.

Amendment

2. Indirect actions funded by the Innovative Health Initiative Joint Undertaking may include clinical studies where the targeted area or the intended use represents an unmet public health need, affecting or threatening the Union's population.

Amendment 384

Proposal for a regulation

Article 123 – paragraph 3

Text proposed by the Commission

3. Participants to indirect actions funded by the Innovative Health Initiative Joint Undertaking must ensure that the products and services developed based or partly based on the results of the indirect actions are available and accessible to the public at fair and reasonable conditions. For that purpose, where relevant, the work programme shall specify additional exploitation obligations ***applicable to specific indirect actions***.

Amendment

3. Participants to indirect actions funded by the Innovative Health Initiative Joint Undertaking must ensure that the products and services developed based or partly based on the results of the indirect actions are available, ***affordable*** and accessible to the public at fair and reasonable conditions. For that purpose, where relevant, the work programme shall specify ***upfront whether the action is a designated action to which these*** additional exploitation obligations ***apply, and this shall be indicated in the calls for proposals or calls for tenders***.

Amendment 385

Proposal for a regulation

Article 124 – paragraph 1 – point a

Text proposed by the Commission

(a) reinforce the Union’s open technological autonomy in electronic components and systems to support future needs of vertical industries and the economy at large. The overall target is to contribute towards doubling the value of the design and production of electronic components and systems in Europe by 2030, in line with the weight of the Union in products and services;

Amendment

(a) reinforce the Union’s open technological autonomy ***and resilience*** in electronic components and systems to support future needs of vertical industries and the economy at large. The overall target is to contribute towards doubling the value of the design and production of electronic components and systems in Europe by 2030, in line with the weight of the Union in products and services;

Amendment 386

Proposal for a regulation

Article 124 – paragraph 1 – point c

Text proposed by the Commission

(c) ensure that components and systems technologies address Europe’s societal and environmental challenges. The target is to align with the Union policy on energy

Amendment

(c) ensure that components and systems technologies address Europe’s societal and environmental challenges, ***including resource efficiency***. The target is to align

efficiency and *contribute towards the reduction of energy consumption by 32.5% in 2030.*

with the Union policy on energy efficiency and *circularity, including ecodesign principles.*

Amendment 387

Proposal for a regulation Article 124 – paragraph 2 – point a

Text proposed by the Commission

(a) establish design and production capabilities in Europe for strategic application areas;

Amendment

(a) ***support research and innovation to*** establish design and production capabilities in Europe for strategic application areas;

Amendment 388

Proposal for a regulation Article 124 – paragraph 2 – point b

Text proposed by the Commission

(b) launch a balanced portfolio of large and small projects supporting the fast transfer of technologies from the research to the industrial environment;

Amendment

(b) launch a balanced portfolio of large and small projects supporting the fast transfer of technologies from the research to the industrial environment, ***including SMEs;***

Amendment 389

Proposal for a regulation Article 124 – paragraph 2 – point c

Text proposed by the Commission

(c) build a dynamic Union-wide ecosystem based on digital value-chains with simplified access to newcomers;

Amendment

(c) build a dynamic Union-wide ecosystem based on digital value-chains with simplified access to newcomers, ***including start-ups and SMEs, as well as civil society organisations;***

Amendment 390

Proposal for a regulation Article 124 – paragraph 2 – point c a (new)

Text proposed by the Commission

Amendment

(ca) contribute to achieving the targets set out in the Commission's Communication "2030 Digital Compass: the European way for the Digital Decade" (March 2021), especially those referring to semi-conductors, ICT specialists and digitalisation of business models.

Amendment 391

Proposal for a regulation Article 124 – paragraph 2 – point d

Text proposed by the Commission

Amendment

(d) enhance component technologies that guarantee security, trust and energy-efficiency for critical infrastructures and sectors in Europe;

(d) enhance component technologies that guarantee security, trust, **enhanced performance** and energy-efficiency for critical infrastructures and sectors in Europe;

Amendment 392

Proposal for a regulation Article 124 – paragraph 2 – point f

Text proposed by the Commission

Amendment

(f) establish coherence between the Strategic Research and Innovation Agenda of the initiative and EU policies so that electronics components and systems technologies contribute efficiently.

(f) establish coherence between the Strategic Research and Innovation Agenda of the initiative and EU policies so that electronics components and systems technologies contribute efficiently, **including through open source solutions.**

Amendment 393

Proposal for a regulation Article 126 – paragraph 1 – point b

Text proposed by the Commission

Amendment

(b) the private members consisting of the following industrial associations **and** their

(b) the private members consisting of the following industrial associations

constituent entities: the AENEAS Association, registered under French law, with its registered office in Paris, France; the ARTEMIS Industry Association (ARTEMISIA) registered under Dutch law, with its registered office in Eindhoven, the Netherlands; the EPoSS e.V. Association, registered under German law, with its registered office in Berlin, Germany.

representing their constituent entities: the AENEAS Association, registered under French law, with its registered office in Paris, France; the ARTEMIS Industry Association (ARTEMISIA) registered under Dutch law, with its registered office in Eindhoven, the Netherlands; the EPoSS e.V. Association, registered under German law, with its registered office in Berlin, Germany.

Amendment 394

Proposal for a regulation Article 126 – paragraph 1 – point b a (new)

Text proposed by the Commission

Amendment

(ba) the associated members to be selected in accordance with Article 7.

Amendment 395

Proposal for a regulation Article 128 – paragraph 1

Text proposed by the Commission

Amendment

1. Over the period set out in Article 3, the participating states of the Key Digital Technologies Joint Undertaking shall make a total contribution ***of at least equal*** to the amount of the Union contribution to operational costs referred to in Article 127.

1. Over the period set out in Article 3, the participating states of the Key Digital Technologies Joint Undertaking shall make a total contribution ***that is commensurate*** to the amount of the Union contribution to operational costs referred to in Article 127.

Amendment 396

Proposal for a regulation Article 128 – paragraph 3 a (new)

Text proposed by the Commission

Amendment

3a. In accordance with Article 26(2), the private members shall agree among themselves how to share their collective contributions both to operational costs and to administrative costs of the Key

Digital Technologies Joint Undertaking.

Amendment 397

**Proposal for a regulation
Article 128 – paragraph 4**

Text proposed by the Commission

4. The contributions referred to in paragraph 1 shall consist of contributions laid down in Article 11(4). The contributions referred to in paragraph 2 shall consist of contributions laid down in Article 11(1), ***including at least EUR 2 489 074 000 of contributions laid down in point (a) of Article 11(1)***. The contributions referred to in paragraph 3 shall consist of contributions as laid down in point (c) of Article 11(1).

Amendment

4. The contributions referred to in paragraph 1 shall consist of contributions laid down in Article 11(4). The contributions referred to in paragraph 2 shall consist of contributions laid down in Article 11(1). The contributions referred to in paragraph 3 shall consist of contributions as laid down in point (c) of Article 11(1).

Amendment 398

**Proposal for a regulation
Article 128 – paragraph 4 a (new)**

Text proposed by the Commission

Amendment

4a. Each participating state shall have a right of veto on all issues concerning the use of its own national financial contributions to the joint undertaking on the basis of strategic priorities and duly justified cases. Justification shall be publicly available in order to ensure that the right to veto is exercised in a transparent, justified and proportionate manner.

Amendment 399

Proposal for a regulation

Article 129

Text proposed by the Commission

Amendment

Article 129

deleted

Contributions from the participating states

1. Each participating state shall entrust the Key Digital Technologies Joint Undertaking with the implementation of their contributions to participants in indirect actions established in that participating state through the grant agreements concluded by the joint undertaking. They shall also entrust the Key Digital Technologies Joint Undertaking with the payment of their contributions to the participants. They shall specify the amounts dedicated to indirect actions.

2. The beneficiaries of indirect actions of the Key Digital Technologies Joint Undertaking shall sign a single grant agreement with the Key Digital Technologies Joint Undertaking. Detailed rules of the grant agreement, including the respective framework for intellectual property rights, shall follow the rules of Horizon Europe.

3. Participating states shall commit to the payment of the full amount of their contributions by means of legally binding agreements between the entities designated by each of the participating states for that purpose and the Key Digital Technologies Joint Undertaking. Such agreements shall be concluded prior to the adoption of the work programme.

4. The Governing Board shall take due account of the agreements referred to in paragraph 3 when adopting the expenditure estimates of the related research and innovation activities in order to ensure the principle of equilibrium of the budget of the Key Digital Technologies Joint Undertaking.

5. The Executive Director shall submit to the Governing Board the agreements

referred to in paragraph 3 supporting the expenditure estimates of the related research and innovation activities.

6. Other arrangements for the cooperation between the participating states and the Key Digital Technologies Joint Undertaking and for the commitments regarding the contributions mentioned in paragraph 1 shall be established by means of agreements to be concluded between the entities designated by each of the participating states for that purpose and the Key Digital Technologies Joint Undertaking.

Amendment 400

Proposal for a regulation Article 130 – paragraph 2 – point a

Text proposed by the Commission

(a) *private investment* aiming to industrialise the Key Digital Technologies and ECSEL Joint Undertakings' projects' results;

Amendment

(a) *investments* aiming to industrialise the Key Digital Technologies and ECSEL Joint Undertakings' projects' results;

Amendment 401

Proposal for a regulation Article 130 – paragraph 2 – point b a (new)

Text proposed by the Commission

(ba) projects under the IPCEI on microelectronics and its potential successor;

Amendment

Amendment 402

Proposal for a regulation Article 130 – paragraph 2 – point e

Text proposed by the Commission

(e) activities to develop the ecosystem

Amendment

(e) activities to develop the ecosystem

supporting the cooperation of technology users and suppliers.

supporting the cooperation of technology users and suppliers, *also with projects in Lighthouse Initiatives;*

Amendment 403

Proposal for a regulation Article 130 – paragraph 2 – point e a (new)

Text proposed by the Commission

Amendment

(ea) communication and dissemination activities.

Amendment 404

Proposal for a regulation Article 131 – paragraph 1 – point d a (new)

Text proposed by the Commission

Amendment

(da) the Scientific Advisory Board.

Amendment 405

Proposal for a regulation Article 136 – paragraph 5

Text proposed by the Commission

Amendment

5. The chairperson may invite other persons to attend its meetings as observers, in particular representatives of regional authorities within the Union, representatives of SME associations and representatives of other bodies of the Key Digital Technologies Joint Undertaking.

5. The chairperson may invite other persons to attend its meetings as observers, in particular representatives of regional authorities within the Union, representatives of SME associations, ***civil society organisations***, and representatives of other bodies of the Key Digital Technologies Joint Undertaking.

Amendment 406

Proposal for a regulation Article 139 – paragraph 4 a (new)

Text proposed by the Commission

Amendment

4a. The Private Members Board can invite selected members of academia and civil society organisations to participate to the meetings as observers. They shall receive all relevant documents and may participate to the deliberations, with no voting rights.

Amendment 407

Proposal for a regulation Article 140 – paragraph 1 – point a

Text proposed by the Commission

(a) draw up and regularly update the draft Strategic Research and Innovation Agenda for achieving the objectives of the Key Digital Technologies Joint Undertaking set out in Article 4 and in Article 124 taking into account the input of the public authorities;

Amendment

(a) **develop input including through open public consultation for the drawing** draw up and regularly update the draft Strategic Research and Innovation Agenda for achieving the objectives of the Key Digital Technologies Joint Undertaking set out in Article 4 and in Article 124 taking into account the input of the public authorities **and of the advisory Stakeholder Forum;**

Amendment 408

Proposal for a regulation Article 140 – paragraph 1 – point c

Text proposed by the Commission

(c) organise an advisory Stakeholder Forum that is open to all public and private stakeholders having an interest in the field of key digital technologies to inform them about and collect feedback on the draft Strategic Research and Innovation Agenda for a given year;

Amendment

(c) **without prejudice to Article 21,** organise an advisory Stakeholder Forum that is open to all public and private stakeholders having an interest in the field of key digital technologies, **in particular SMEs associations and representatives, and civil society organisations,** to inform them about and collect **input and** feedback on the draft Strategic Research and Innovation Agenda **and work programme** for a given year;

Amendment 409

Proposal for a regulation Article 140 a (new)

Text proposed by the Commission

Amendment

Article 140a

Scientific Advisory Board

- 1. The Key Digital Technologies Joint Undertaking shall set up an independent Scientific Advisory Board as referred to in Articles 19 and 131 in order to seek for scientific advice from independent high-level academic experts.*
- 2. The independent Scientific Advisory Board shall have no more than 15 permanent members and shall elect its Chair from among its members for a period of two years.*
- 3. The independent Scientific Advisory Board may advise at the request of the Governing Board and other bodies of the Key Digital Technologies Joint Undertaking or on its own initiative.*
- 4. The independent Scientific Advisory Board shall collaborate with the relevant advisory bodies set up under Horizon Europe.*

Amendment 410

Proposal for a regulation Article 142 – paragraph 1 – point a

Text proposed by the Commission

Amendment

(a) strengthen and integrate the Union's research and innovation capacity in the ATM sector, making it more resilient and scalable to fluctuations in traffic while enabling the seamless operation of all aircraft;

(a) strengthen and integrate the Union's research and innovation capacity in the ATM sector, making it more resilient and scalable to fluctuations in traffic while enabling the seamless operation of all aircraft *including in airports with different ATM conditions*;

Amendment 411

Proposal for a regulation Article 142 – paragraph 1 – point b

Text proposed by the Commission

(b) strengthen, through innovation, the competitiveness of ***manned and unmanned*** air transport in the Union, and ATM services' markets to support economic growth in the Union;

Amendment

(b) strengthen, through innovation, the competitiveness of air transport in the Union, and ATM services' markets to support economic growth in the Union;

Amendment 412

Proposal for a regulation Article 142 – paragraph 1 – point c

Text proposed by the Commission

(c) develop and accelerate the market uptake of innovative solutions to establish the Single European Sky airspace as the most efficient and environmentally friendly sky to fly in the world.

Amendment

(c) develop and accelerate the market uptake of innovative solutions to establish the Single European Sky airspace as the ***safest and*** most efficient and environmentally friendly sky to fly in the world ***contributing to the reduction of air and noise pollution.***

Amendment 413

Proposal for a regulation Article 142 – paragraph 2 – point e

Text proposed by the Commission

(e) coordinate the prioritisation and planning for the Union's ATM modernisation efforts, based on a consensus-led process among the ATM stakeholders;

Amendment

(e) coordinate the prioritisation and planning for the Union's ATM modernisation efforts, based on a consensus-led process among the ATM stakeholders ***and focusing beyond improving the efficiency individual flights also to continuously adapt the overall capacities on the basis of the technological progress;***

Amendment 414

Proposal for a regulation
Article 144 – paragraph 1 – point b

Text proposed by the Commission

(b) the European Organisation for the Safety of Air Navigation (EUROCONTROL), represented by its Agency, upon notification of its decision to unconditionally accede to the Single European Sky ATM Research 3 Joint Undertaking by means of a letter of commitment;

Amendment

(b) the European Organisation for the Safety of Air Navigation (EUROCONTROL), represented by its Agency, upon notification of its decision to unconditionally accede to the Single European Sky ATM Research 3 Joint Undertaking by means of a letter of commitment, ***without prejudice to the rights of other members, in particular SMEs, as set out in this Regulation and other relevant Union law;***

Amendment 415

Proposal for a regulation
Article 144 – paragraph 1 – point c

Text proposed by the Commission

(c) the founding members listed in Annex III of this Regulation, upon notification of their decision to ***unconditionally*** accede to the Single European Sky ATM Research 3 Joint Undertaking by means of a letter of commitment;

Amendment

(c) the founding members listed in Annex III of this Regulation, upon notification of their decision to accede to the Single European Sky ATM Research 3 Joint Undertaking by means of a letter of commitment, ***which shall be based on a fair balance between the Union funding received and the in-kind contribution committed; without prejudice to the rights of other members, in particular SMEs, as set out in this Regulation and other relevant Union law;***

Amendment 416

Proposal for a regulation
Article 146 – paragraph 1

Text proposed by the Commission

1. The private members of the Single European Sky ATM Research 3 Joint Undertaking shall make or arrange for their constituent or affiliated entities to make a

Amendment

1. The private members of the Single European Sky ATM Research 3 Joint Undertaking shall make or arrange ***collectively*** for their constituent or

total contribution of at least EUR 500 000 000, including up to EUR 25 000 000 for administrative costs over the period set out in Article 3.

affiliated entities to make a total contribution of at least EUR 500 000 000, including up to EUR 25 000 000 for administrative costs over the period set out in Article 3.

Amendment 417

Proposal for a regulation Article 150 – paragraph 2 – point g

Text proposed by the Commission

(g) a representative of the relevant scientific institutions or the relevant scientific community, designated by their representative organisation at European level:

Amendment

(g) a representative of the relevant scientific institutions or the relevant scientific community, ***including with specific environment and climate expertise***, designated by their representative organisation at European level:

Amendment 418

Proposal for a regulation Article 150 – paragraph 2 – point j a (new)

Text proposed by the Commission

Amendment

(ja) a representative of relevant civil society organisations;

Amendment 419

Proposal for a regulation Article 152 – paragraph 1 – introductory part

Text proposed by the Commission

Amendment

In addition to the tasks listed in Article 18, the Executive Director of the Single European Sky ATM Research 3 Joint Undertaking shall carry out the following tasks:

In addition to the tasks listed in Article 18, the Executive Director of the Single European Sky ATM Research 3 Joint Undertaking shall carry out the following tasks, ***upon guidance by the Governing Board***:

Amendment 420

Proposal for a regulation Article 153 – paragraph 2

Text proposed by the Commission

2. The Scientific Committee shall have no more than 15 permanent members.

Amendment

2. The Scientific Committee shall have no more than 15 permanent members, ***while ensuring the presence of climate and environment experts.***

Amendment 421

Proposal for a regulation Article 159 – paragraph 1 – point a

Text proposed by the Commission

(a) foster Europe’s technological sovereignty in future smart networks and services by reinforcing current industrial strengths and by extending the scope from 5G connectivity to the broader strategic value chain including cloud-based service provisioning as well as components and devices;

Amendment

(a) foster Europe’s ***cybersecurity, resilience and*** technological sovereignty in future smart networks and services by reinforcing current industrial strengths and by extending the scope from 5G connectivity to the broader strategic value chain including cloud-based service provisioning as well as components and devices;

Amendment 422

Proposal for a regulation Article 159 – paragraph 1 – point b

Text proposed by the Commission

(b) align strategic roadmaps of a wider range of industrial players, including not only the telecommunication industry, but also actors from the Internet of Things, cloud, as well as components and devices;

Amendment

(b) align strategic roadmaps of a wider range of industrial players, including not only the telecommunication industry, but also actors from the Internet of Things, cloud, ***SMEs and start-ups in the same domain,*** as well as components and devices;

Amendment 423

Proposal for a regulation
Article 159 – paragraph 1 – point c

Text proposed by the Commission

(c) advance European technological and scientific excellence to support European leadership to shape and master 6G systems by 2030;

Amendment

(c) advance European technological and scientific excellence to support European leadership to shape and master 6G systems by 2030, **as well as other relevant new communication technologies**;

Amendment 424

Proposal for a regulation
Article 159 – paragraph 1 – point d

Text proposed by the Commission

(d) strengthen the deployment of digital infrastructures and uptake of digital **solutions** in the European markets and in particular by ensuring a strategic coordination mechanism for CEF2 Digital as well as synergies within CEF2, and with DEP and InvestEU as part of the scope and governance of the Smart Networks and Services Joint Undertaking;

Amendment

(d) strengthen the deployment of digital infrastructures and uptake of digital **products and technologies** in the European markets and in particular by ensuring a strategic coordination mechanism for CEF2 Digital as well as synergies within CEF2, and with DEP and InvestEU as part of the scope and governance of the Smart Networks and Services Joint Undertaking;

Amendment 425

Proposal for a regulation
Article 159 – paragraph 1 – point f

Text proposed by the Commission

(f) facilitate digital innovation, by 2030, meeting European market needs and public policy requirements, including the most demanding requirements of vertical industries, as well as societal requirements in fields including security, energy efficiency, and electromagnetic fields;

Amendment

(f) facilitate digital innovation, by 2030, meeting European market needs and public policy requirements, including the most demanding requirements of vertical industries, as well as societal requirements in fields including **safety**, security, energy efficiency, and electromagnetic fields;

Amendment 426

Proposal for a regulation

Article 159 – paragraph 1 – point f a (new)

Text proposed by the Commission

Amendment

(fa) promote the development of the highest standards of 6G innovation in a fair, transparent and open way;

Amendment 427

Proposal for a regulation

Article 159 – paragraph 1 – point g a (new)

Text proposed by the Commission

Amendment

(ga) contribute to achieving the targets set out in the Commission’s communication on the 2030 Digital Compass, in particular those referring to connectivity, cloud services and ICT specialists;

Amendment 428

Proposal for a regulation

Article 159 – paragraph 1 – point g b (new)

Text proposed by the Commission

Amendment

(gb) contribute to the reduction of the connectivity gap that still affects European peripheral areas such as islands, outermost regions as well as sparsely populated and rural areas.

Amendment 429

Proposal for a regulation

Article 159 – paragraph 2 – point a

Text proposed by the Commission

Amendment

(a) facilitate the development of technologies able to meet advanced communication requirements while supporting European excellence in smart networks and services technologies and

(a) facilitate the development of technologies able to meet advanced communication requirements while supporting European excellence in smart networks and services technologies and

architectures and their evolution towards 6G, including strong European positions on standards, essential patents, and identification of key requirements, such as spectrum bands needed for future advanced smart network technologies;

architectures and their evolution towards 6G, **as well as new relevant communication technologies**, including strong European positions on standards, essential patents, and identification of key requirements, such as spectrum bands needed for future advanced smart network technologies;

Amendment 430

Proposal for a regulation Article 159 – paragraph 2 – point e

Text proposed by the Commission

(e) strengthen the positioning of the Union's industry in the global smart network and services value chain by creating a critical mass of public and private actors, in particular by increasing the contribution from software and Internet of Things actors, leveraging national initiatives and supporting the emergence of new actors;

Amendment

(e) strengthen the positioning of the Union's industry, **in particular SMEs**, in the global smart network and services value chain by creating a critical mass of public and private actors, in particular by increasing the contribution from software and Internet of Things actors, leveraging national initiatives and supporting the emergence of new actors;

Amendment 431

Proposal for a regulation Article 159 – paragraph 2 – point f

Text proposed by the Commission

(f) support alignment with ethical and security requirements, including them into the Strategic Research and Innovation Agendas and provide input to the Union's legislative process as appropriate.

Amendment

(f) support alignment with ethical and security requirements, **in particular privacy and security by design**, including them into the Strategic Research and Innovation Agendas and provide input to the Union's legislative process as appropriate.

Amendment 432

Proposal for a regulation Article 160 – paragraph 1 – point a

Text proposed by the Commission

(a) contribute to the work programmes of other Union programmes, such as CEF 2 Digital, DEP and InvestEU that are implementing activities in the area of smart networks and services;

Amendment

(a) contribute, ***when requested***, to the work programmes of other Union programmes, such as CEF 2 Digital, DEP and InvestEU that are implementing activities in the area of smart networks and services;

Amendment 433

Proposal for a regulation

Article 160 – paragraph 1 – point b

Text proposed by the Commission

(b) ***coordinate*** Union piloting and deployment initiatives in the field of smart networks and services, such as pan-European 5G corridors for connected and automated mobility under CEF2 Digital, in liaison with the Commission and competent relevant funding bodies;

Amendment

(b) ***facilitate*** Union piloting and deployment initiatives in the field of smart networks and services, such as pan-European 5G corridors for connected and automated mobility under CEF2 Digital, in liaison with the Commission and competent relevant funding bodies;

Amendment 434

Proposal for a regulation

Article 160 – paragraph 1 – point d

Text proposed by the Commission

(d) develop and ***coordinate*** the strategic deployment agendas for pan-European 5G corridors for connected and automated mobility with the involvement of stakeholders. Those agendas shall be programming documents covering the duration of CEF2 Digital by defining a common vision for the development of 5G-enabled ecosystems and the underpinning network and services requirements, and identifying deployment objectives and roadmaps as well as potential cooperation models.

Amendment

(d) develop and ***provide feedback for*** the strategic deployment agendas for pan-European 5G corridors for connected and automated mobility with the involvement of stakeholders. Those agendas shall be ***indicative*** programming documents covering the duration of CEF2 Digital by defining a common vision for the development of 5G-enabled ecosystems and the underpinning network and services requirements, and identifying deployment objectives and roadmaps as well as potential cooperation models.

Amendment 435

Proposal for a regulation Article 161 – paragraph 1 – point b

Text proposed by the Commission

(b) the 5G Infrastructure Association, upon notification of its decision to unconditionally accede to the Smart Networks and Services Joint Undertaking by means of a letter of commitment.

Amendment

(b) the 5G Infrastructure Association, upon notification of its decision to unconditionally accede to the Smart Networks and Services Joint Undertaking by means of a letter of commitment, ***without prejudice to the rights of members, in particular SMEs, as set out in this Regulation and other relevant Union law.***

Amendment 436

Proposal for a regulation Article 164 – paragraph 1 – point a

Text proposed by the Commission

(a) spin off research and development activities;

Amendment

(a) spin off research and development activities, ***including on open source software and technologies;***

Amendment 437

Proposal for a regulation Article 164 – paragraph 1 – point b

Text proposed by the Commission

(b) contributions to standardisation;

Amendment

(b) contributions to standardisation, ***including for open standards;***

Amendment 438

Proposal for a regulation Article 164 – paragraph 1 – point e

Text proposed by the Commission

(e) contributions to activities of the 5G Infrastructure Association and any other

Amendment

(e) contributions to ***research, development and deployment*** activities of

group or association of stakeholders in the area of the Smart Networks and Services Joint Undertaking, not funded under a grant by the Union ;

the 5G Infrastructure Association and any other group or association of stakeholders in the area of the Smart Networks and Services Joint Undertaking, not funded under a grant by the Union;

Amendment 439

Proposal for a regulation Article 164 – paragraph 1 – point f

Text proposed by the Commission

(f) activities to develop the ecosystem including building cooperation with verticals;

Amendment

(f) activities to develop the ecosystem including building ***open, interoperable and cooperative communication technologies and networks and*** cooperation with verticals;

Amendment 440

Proposal for a regulation Article 164 – paragraph 1 – point g

Text proposed by the Commission

(g) dissemination activities of results globally to achieve consensus on supported technologies as preparation of future standards;

Amendment

(g) dissemination activities of results globally to achieve consensus on supported technologies as preparation of future standards, ***including through the value chain***;

Amendment 441

Proposal for a regulation Article 165 – paragraph 1 – point d a (new)

Text proposed by the Commission

Amendment

(da) the Scientific Advisory Board.

Amendment 442

Proposal for a regulation Article 168 – paragraph 1 – point a

Text proposed by the Commission

(a) adopt strategic deployment agendas and, if appropriate, amend them throughout the duration of CEF2 Digital programme;

Amendment

(a) adopt ***the joint undertaking's*** strategic deployment agendas and, if appropriate, amend them throughout the duration of CEF2 Digital programme;

Amendment 443

Proposal for a regulation

Article 168 – paragraph 1 – point b

Text proposed by the Commission

(b) ensure that Union cybersecurity legislation and Member States' existing and future coordinated guidance are taken into consideration in all the activities of the Smart Network and Services Joint Undertaking;

Amendment

(b) ensure that Union cybersecurity legislation and Member States' existing and future coordinated guidance are ***implemented properly and are*** taken into consideration in all the activities of the Smart Network and Services Joint Undertaking;

Amendment 444

Proposal for a regulation

Article 168 – paragraph 1 – point c

Text proposed by the Commission

(c) promote synergies and complementarities between the digital, transport and energy sectors of CEF2 through the identification of intervention areas and contribution to the work programmes, as well as synergies and complementarities with the other relevant Union programmes.

Amendment

(c) promote synergies and complementarities between the digital, transport and energy sectors of CEF2 through the identification of intervention areas and ***possible*** contribution to the work programmes, as well as synergies and complementarities with the other relevant Union programmes.

Amendment 445

Proposal for a regulation

Article 169 a (new)

Text proposed by the Commission

Amendment

Article 169a

Scientific Advisory Board

- 1. The Smart Networks and Services Joint Undertaking shall set up an independent Scientific Advisory Board as referred to in Articles 19 and 165 in order to seek for scientific advice from independent high-level academic experts.***
- 2. The independent Scientific Advisory Board shall have no more than 15 permanent members and shall elect its Chair from among its members for a period of two years.***
- 3. The independent Scientific Advisory Board may advise at the request of the Governing Board and other bodies of the Smart Networks and Services Joint Undertaking, or on its own initiative.***

Amendment 446

**Proposal for a regulation
Article 171 – paragraph 1**

Text proposed by the Commission

Amendment

1. The activities of the joint undertakings shall be subject to continuous monitoring and periodic reviews in accordance with their financial rules, to ensure the highest impact, scientific excellence and the most efficient use of resources. The outcomes of monitoring and periodic reviews shall feed into the monitoring of European partnerships and evaluations of the Joint Undertakings as part of Horizon Europe evaluations.

1. The activities of the joint undertakings shall be subject to continuous monitoring and periodic reviews in accordance with their financial rules, to ensure the highest impact, scientific excellence, ***societal added value*** and the most ***effective and*** efficient use of resources. The outcomes of monitoring and periodic reviews shall feed into the monitoring of European partnerships and evaluations of the Joint Undertakings as part of Horizon Europe evaluations. ***Such monitoring and reviews shall not increase the administrative burden of the joint undertakings or that of their beneficiaries.***

Amendment 447

Proposal for a regulation Article 171 – paragraph 2 – introductory part

Text proposed by the Commission

2. The joint undertakings should organise continuous monitoring of **their** management activities and periodic reviews of the outputs, results and impacts of their projects implemented in accordance with [Article 45] and [**Annex III**] of the Horizon Europe Regulation. That monitoring shall include:

Amendment

2. The joint undertakings should organise **a** continuous monitoring of **the** management **and implementation of the** activities and periodic reviews of the outputs, results and impacts of their projects implemented in accordance with [Article 45] and [**Annexes III and V**] of the Horizon Europe Regulation. That monitoring shall **be made public in a concise manner on the respective website of each joint undertaking in a timely manner and** shall include:

Amendment 448

Proposal for a regulation Article 171 – paragraph 2 – point b

Text proposed by the Commission

(b) information on the level of mainstreaming social sciences and humanities, the ratio between lower and higher Technology Readiness Levels in collaborative research, the progress on widening countries participation, the geographical composition of consortia in collaborative projects, the use of two stage submission and evaluation procedure, the measures aimed at facilitating collaborative links in European research and innovation, the use of the evaluation review and the number and types of complaints, the level of climate mainstreaming and related expenditures, SME participation, private sector participation, gender participation in funded actions, evaluation panels, boards and advisory groups, the co-funding rate, the complementary and cumulative funding from other Union funds, the time-to-grant, the level of international cooperation, engagement of citizens' and civil society

Amendment

(b) information on the level of mainstreaming social sciences and humanities, the ratio between lower and higher Technology Readiness Levels in collaborative research, the progress on widening countries participation, the geographical composition of consortia in collaborative projects, the use of two stage submission and evaluation procedure, the measures aimed at facilitating collaborative links in European research and innovation, the use of the evaluation review and the number and types of complaints, the level of climate mainstreaming and related expenditures, SME participation, private sector participation, **integration of the gender dimension in the content of funded actions as well as** gender participation in funded actions, evaluation panels, boards and advisory groups, the co-funding rate, the complementary and cumulative funding from other Union

participation;

funds, the time-to-grant, the level of international cooperation, engagement of citizens' and civil society participation **and open access practices**;

Amendment 449

Proposal for a regulation Article 171 – paragraph 2 – point d a (new)

Text proposed by the Commission

Amendment

(da) the measures for attracting newcomers and for expanding collaborative networks;

Amendment 450

Proposal for a regulation Article 171 – paragraph 2 – point d b (new)

Text proposed by the Commission

Amendment

(db) quantitative and qualitative leverage effects, in particular the level of committed and actually provided financial and in-kind contributions both with regards to operational and additional activities.

Amendment 451

Proposal for a regulation Article 171 – paragraph 3

Text proposed by the Commission

Amendment

3. Evaluations of the joint undertakings' operations shall be carried out in a timely manner to feed into the overall interim and final evaluations of Horizon Europe and the related decision-making process on Horizon Europe, its successor and other initiatives relevant to research and innovation, referred to in [Article 47] of the Horizon Europe Regulation.

3. Evaluations of the joint undertakings' operations shall be carried out in a timely manner to feed into the overall interim and final evaluations of Horizon Europe and the related decision-making process on Horizon Europe, its successor and other initiatives relevant to research and innovation, referred to in [Article 47] of the Horizon Europe Regulation. **Such evaluations shall not cause additional**

administrative burden to the joint undertakings nor to their beneficiaries.

Amendment 452

Proposal for a regulation Article 171 – paragraph 4

Text proposed by the Commission

4. The Commission shall carry out an interim and a final evaluation of each Joint Undertaking feeding into the Horizon Europe evaluations, as specified in [Article 47] of the Horizon Europe Regulation. The evaluations shall examine how each joint undertaking fulfils its mission and objectives, cover all activities of the joint undertaking and evaluate the joint undertaking's concerned European added value, effectiveness, efficiency, including its openness and transparency, the relevance of the activities pursued and their coherence and complementarity with relevant regional, national and Union policies, including synergies with other parts of Horizon Europe, such as missions, clusters or thematic or specific programmes. The evaluations shall take into account the views of stakeholders, at both European and national level and shall, where relevant, also include an assessment of the long-term scientific, societal, economic and technological impacts of the initiatives referred to in paragraphs (3) to (9) of Article 174. The evaluations shall also include, where relevant, an assessment of the most effective policy intervention mode for any future action, as well as the relevance and coherence of any possible renewal of each joint undertaking given the overall policy priorities and the research and innovation support landscape, including its positioning against other initiatives supported through the Framework Programme, in particular European partnerships or missions. The evaluations shall also take due account of the phasing out plan adopted by the

Amendment

4. The Commission shall carry out **and publish** an interim and a final evaluation of each Joint Undertaking feeding into the Horizon Europe evaluations, as specified in [Article 47] of the Horizon Europe Regulation. The evaluations shall examine how each joint undertaking fulfils its mission and objectives, cover all activities of the joint undertaking and evaluate the joint undertaking's concerned European added value, effectiveness, efficiency, including its openness and transparency, the relevance of the activities pursued **as regards Union's overarching policies and goals as well as contribution to societal needs and benefits**, and their coherence and complementarity with relevant regional, national and Union policies, including synergies with **other partnerships and** other parts of Horizon Europe, such as missions, clusters or thematic or specific programmes. The evaluations shall take into account the views of stakeholders, at both European and national level and shall, where relevant, also include an assessment of the long-term scientific, societal, economic and technological impacts of the initiatives referred to in paragraphs (3) to (9) of Article 174 of **and Annex V to the Horizon Europe Regulation**. The evaluations shall also include, where relevant, an assessment of the most effective policy intervention mode for any future action, as well as the relevance and coherence of any possible renewal of each joint undertaking given the overall policy priorities and the research and innovation support landscape, including its positioning

Governing Board in accordance with Article 16(2)(y).

against other initiatives supported through the Framework Programme, in particular European partnerships or missions. The evaluations shall also take due account of the phasing out plan adopted by the Governing Board in accordance with Article 16(2)(y).

Amendment 453

Proposal for a regulation Article 171 – paragraph 6

Text proposed by the Commission

6. The Commission may carry out further evaluations of themes or topics of strategic relevance, with the assistance of external independent experts selected on the basis of **a** transparent *process*, to examine the progress made by a joint undertaking towards the objectives set, identify the factors contributing to the implementation of the activities and identify best practices. By carrying out those further evaluations, the Commission shall fully consider the administrative impact on the joint undertaking concerned.

Amendment

6. The Commission may carry out further evaluations of themes or topics of strategic relevance, with the assistance of external independent experts selected on the basis of **an open and** transparent *call for expressions of interest*, to examine the progress made by a joint undertaking towards the objectives set, identify the factors contributing to the implementation of the activities and identify best practices. By carrying out those further evaluations, the Commission shall fully consider the administrative impact on the joint undertaking concerned, **and shall make best efforts to reduce their administrative burden and to ensure that the evaluation process is simple and fully transparent. Any evaluation in the area shall be based on a sound assessment of policy options from the perspective of governance, including in particular the possibility to set adequate safeguards to ensure that the public interests are duly respected in all operations.**

Amendment 454

Proposal for a regulation

Article 171 – paragraph 7 a (new)

Text proposed by the Commission

Amendment

7a. Reporting shall be in line with the standard Horizon Europe reporting requirements. The development of the reporting systems in the context of the strategic coordinating process shall also involve Member States and partnership representatives in order to ensure synchronisation and coordination of reporting and monitoring efforts, including on the division of data collection and reporting tasks.

Amendment 455

Proposal for a regulation Article 171 – paragraph 9

Text proposed by the Commission

Amendment

9. The Commission shall communicate the results of the evaluations of the joint undertakings, which shall include conclusions of the evaluation and observations by the Commission, to the European Parliament, the Council, the European Economic and Social Committee and the Committee of the Regions as part of the Horizon Europe evaluations referred to in [Article 47] of the Horizon Europe Regulation.

9. The Commission shall **make public and** communicate the results of the evaluations of the joint undertakings, which shall include conclusions of the evaluation and observations by the Commission, to the European Parliament, the Council, the European Economic and Social Committee and the Committee of the Regions as part of the Horizon Europe evaluations referred to in [Article 47] of the Horizon Europe Regulation.

Amendment 456

Proposal for a regulation Article 171 a (new)

Text proposed by the Commission

Amendment

Article 171a

***Accountability to the European citizens
Without prejudice to the publicity requirements set out in this Regulation, the information contained in consolidated***

annual activity report of the joint undertakings as well as in the reporting in accordance with Article 171 shall be made publicly available online to the general public through user-friendly tools, including infographics and expenditure tracking systems.