



2018/0226(NLE)

12.10.2018

AMENDMENTS 20 - 129

Draft report
Miapetra Kumpula-Natri
(PE627.733v01-00)

on the proposal for a Council regulation establishing the Research and Training Programme of the European Atomic Energy Community for the period 2021-2025 complementing Horizon Europe – the Framework Programme for Research and Innovation

Proposal for a regulation
(COM(2018)0437 – C8-0380/2018 – 2018/0226(NLE))

Amendment 20

Rebecca Harms

on behalf of the Verts/ALE Group

Proposal for a regulation

Citation 1

Text proposed by the Commission

Having regard to the Treaty *establishing* the European *Atomic Energy Community*, and in particular the first paragraph of Article 7 thereof,

Amendment

Having regard to the Treaty *on the Functioning of the European Union (TFEU)* , and in particular the first paragraph of Article *182* thereof,

Or. en

Amendment 21

Dario Tamburrano

Proposal for a regulation

Citation 1

Text proposed by the Commission

Having regard to the Treaty *establishing* the European *Atomic Energy Community*, and in particular the first paragraph of Article 7 thereof,

Amendment

Having regard to the Treaty *on the Functioning of the European Union (TFEU)*, and in particular the first paragraph of Article *182* thereof,

Or. en

Justification

Decisions on Union research and training programmes in the field of nuclear energy should follow a more democratic process involving the European Parliament under co-decision.

Amendment 22

Rebecca Harms

on behalf of the Verts/ALE Group

Proposal for a regulation

Recital 1

Text proposed by the Commission

(1) **One of the aims of** the European Atomic Energy Community (the ‘Community’) **is to contribute** to the raising of the standard of living in the Member States including by promoting and facilitating nuclear research in the Member States and complementing it by carrying out a Community research and training programme.

Amendment

(1) **The Treaty on** the European Atomic Energy Community (the ‘Community’) **has been established in 1957 and has been hardly amended since then. It has become too out-dated, particularly in the areas of democratic oversight and its overall objective, i.e. to ‘creating the conditions necessary for the speedy establishment and growth of nuclear industries’. It is questionable whether it contributes** to the raising of the standard of living in the Member States including by promoting and facilitating nuclear research in the Member States and complementing it by carrying out a Community research and training programme.

Or. en

Amendment 23
Dominique Riquet

Proposal for a regulation
Recital 1

Text proposed by the Commission

(1) Whereas: One of the aims of the European Atomic Energy Community (the ‘Community’) is to contribute to the raising of the standard of living in the Member States including by promoting and facilitating nuclear research in the Member States and complementing it by carrying out a Community research and training programme.

Amendment

(1) Whereas: One of the aims of the European Atomic Energy Community (the ‘Community’) is to contribute to the raising of the standard of living **and the quality of life** in the Member States including by promoting and facilitating nuclear research in the Member States and complementing it by carrying out a Community research and training programme.

Or. fr

Amendment 24
Dario Tamburrano

Proposal for a regulation
Recital 1

Text proposed by the Commission

(1) One of the aims of the European **Atomic Energy Community (the ‘Community’)** is to contribute to the raising of the standard of living in the Member States including by promoting and facilitating **nuclear** research in the Member States and complementing it by carrying out a **Community** research and training programme.

Amendment

(1) One of the aims of the European **Union** is to contribute to the raising of the standard of living in the Member States including by promoting and facilitating research in the Member States and complementing it by carrying out a **Union** research and training programme.

Or. en

Justification

Decisions on Union research and training programmes in the field of nuclear energy should follow a more democratic process involving the European Parliament under co-decision.

Amendment 25
Dario Tamburrano

Proposal for a regulation
Recital 1 a (new)

Text proposed by the Commission

Amendment

(1a) Considering that the Treaty establishing the European Atomic Energy Community does not give co-decision powers on nuclear matters to the European Parliament, it is of utmost importance to apply a new legal basis to legislation on nuclear field to allow a more democratic and transparent process on decisions related to such an important field.

Or. en

Justification

Decisions on Union research and training programmes in the field of nuclear energy should follow a more democratic process involving the European Parliament under co-decision.

Amendment 26

Rebecca Harms

on behalf of the Verts/ALE Group

Proposal for a regulation

Recital 1 a (new)

Text proposed by the Commission

Amendment

(1a) Since under the Treaty establishing the European Atomic Energy Community, the ordinary legislative procedure does not apply, the European Parliament is not considered to be on an equal footing with the Council when adopting nuclear related legislation.

Or. en

Amendment 27

Rebecca Harms

on behalf of the Verts/ALE Group

Proposal for a regulation

Recital 1 b (new)

Text proposed by the Commission

Amendment

(1b) Given the European Parliament's role as a co-legislator regarding budgetary matters and in order to ensure coherent design and implementation of the Union's Framework Programme for Research and Innovation, the Euratom Research and Training Programme should be adopted by means of the ordinary legislative procedure

Or. en

Amendment 28
Nikolay Barekov

Proposal for a regulation
Recital 2

Text proposed by the Commission

(2) *Nuclear research can contribute to social well-being, economic prosperity and environmental sustainability by improving nuclear safety, security and radiation protection. Radiation protection research has led to improvements in medical technologies from which many citizens benefit and that research can now lead to improvements in other sectors such as industry, agriculture, environment and security. Equally important is the potential contribution of nuclear research to the long-term decarbonisation of the energy system in a safe, efficient and secure way.*

Amendment

deleted

Or. bg

Amendment 29
Dario Tamburrano

Proposal for a regulation
Recital 2

Text proposed by the Commission

(2) Nuclear research can contribute to *social well-being, economic prosperity and environmental sustainability by improving* nuclear safety, security and radiation protection. Radiation protection research has led to *improvements* in medical technologies from which many citizens benefit and that research can now lead to improvements in other sectors *such as industry, agriculture, environment and security. Equally important is the*

Amendment

(2) Nuclear research can contribute to *improve* nuclear safety, security and radiation protection. Radiation protection research has led to *applications* in medical technologies from which many citizens benefit and that research can now lead to improvements in other sectors.

potential contribution of nuclear research to the long-term decarbonisation of the energy system in a safe, efficient and secure way.

Or. en

Amendment 30

Rebecca Harms

on behalf of the Verts/ALE Group

Proposal for a regulation

Recital 2

Text proposed by the Commission

(2) Nuclear research can contribute to ***social well-being, economic prosperity and environmental sustainability by improving*** nuclear safety, security and radiation protection. Radiation protection research has led to ***improvements*** in medical technologies from which many citizens benefit and that research can now lead to improvements ***in other sectors such as industry, agriculture, environment and security. Equally important is the potential contribution of nuclear research to the long-term decarbonisation of the energy system in a safe, efficient and secure way.***

Amendment

(2) Nuclear research can contribute to nuclear safety, security and radiation protection. Radiation protection research has led to ***applications*** in medical technologies from which many citizens benefit and that research can now lead to improvements ***when decommissioning nuclear facilities or in the field of security to prevent, detect and respond to malicious nuclear acts and threats.***

Or. en

Amendment 31

Clare Moody, Theresa Griffin, Jude Kirton-Darling

Proposal for a regulation

Recital 2

Text proposed by the Commission

(2) Nuclear research can contribute to social well-being, economic prosperity ***and environmental sustainability*** by improving

Amendment

(2) Nuclear research can contribute to social well-being ***and*** economic prosperity by improving nuclear safety, security and

nuclear safety, security and radiation protection. Radiation protection research has led to improvements in medical technologies from which many citizens benefit and that research can now lead to improvements in other sectors such as industry, agriculture, environment and security. Equally important is the *potential* contribution of nuclear research to the long-term decarbonisation of the energy system in a safe, efficient and secure way.

radiation protection. *Nuclear research makes an important contribution to environmental sustainability and the fight to combat climate change by reducing Europe's dependence on imported energy, while* radiation protection research has led to improvements in medical technologies from which many citizens benefit and that research can now lead to improvements in other sectors such as industry, agriculture, environment and security. Equally important is the contribution of nuclear research to the long-term decarbonisation of the energy system in a safe, efficient and secure way.

Or. en

Amendment 32 **Dario Tamburrano**

Proposal for a regulation **Recital 3**

Text proposed by the Commission

(3) In order to ensure continuity of nuclear research at **Community** level, it is necessary to establish the Research and Training Programme of the Community for the period from 1 January 2021 to 31 December 2025 (the 'Programme'). The Programme should continue carrying out the key research activities of previous programmes, while introducing new specific objectives, and using the same mode of implementation.

Amendment

(3) In order to ensure continuity of nuclear research at **Union** level, it is necessary to establish the Research and Training Programme of the Community for the period from 1 January 2021 to 31 December 2025 (the 'Programme'). The Programme should continue carrying out *some of* the key research activities of previous programmes, *increasing the focus on research contributing to the safe decommissioning of the EU's aging nuclear reactors*, while introducing new specific objectives and using the same mode of implementation, .

Or. en

Amendment 33 **Rebecca Harms**

on behalf of the Verts/ALE Group

Proposal for a regulation

Recital 3

Text proposed by the Commission

(3) In order to ensure continuity of nuclear research at Community level, it is necessary to establish the Research and Training Programme of the Community for the period from 1 January 2021 to 31 December 2025 (the ‘Programme’). The Programme should *continue carrying out the key research activities of previous programmes, while introducing new specific objectives, and using the same mode of implementation.*

Amendment

(3) In order to ensure continuity of nuclear research at Community level, it is necessary to establish the Research and Training Programme of the Community for the period from 1 January 2021 to 31 December 2025 (the ‘Programme’). The Programme should *be adapted taking into account the evolution of nuclear in the economy, in particular the urgent need for research and training in the field of decommissioning, nuclear accidents, security and proliferation risks.*

Or. en

Amendment 34

Dario Tamburrano

Proposal for a regulation

Recital 3 a (new)

Text proposed by the Commission

Amendment

(3a) *The 2014-2020 Euratom Programme objectives related to the development of fusion energy should not be carried over in the new period considering that fusion is not a credible option for commercial electricity production before 2050 and therefore will play no role in the EU energy independence and in the fight against climate change.*

Or. en

Amendment 35

Rebecca Harms

on behalf of the Verts/ALE Group

Proposal for a regulation

Recital 4

Text proposed by the Commission

(4) The Commission's Report on the interim evaluation of the 2014-18 Euratom Research and Training Programme (COM(2017) 697 final) ***provides a set of guiding principles for the Programme. These include: to continue supporting nuclear research focused on nuclear safety, safeguards, security, waste management, radiation protection and development of fusion; to further improve, together with beneficiaries, the organisation and management of the European Joint Programmes in the nuclear field; to continue and reinforce the Euratom education and training actions for developing relevant competencies which underpin all aspects of nuclear safety, security and radiation protection; to further exploit synergies between Euratom programme and other thematic areas of the Union Framework Programme; and to further exploit synergies between direct and indirect actions of the Euratom programme.***

Amendment

(4) The Commission's Report on the interim evaluation of the 2014-18 Euratom Research and Training Programme (COM(2017) 697 final) ***concluded that the programme 'is highly relevant across the full scope of activities'^{1a} and 'there is no need to revise the current programme's activities or mode of implementation for the two years 2019-2020'^{1b}***

^{1a} see the Conclusions p.16 of COM(2017)697final

^{1b} see the Conclusions p.17 of COM(2017)697final

Or. en

Amendment 36

Răzvan Popa

Proposal for a regulation

Recital 4

Text proposed by the Commission

(4) The Commission's Report on the interim evaluation of the 2014-18 Euratom Research and Training Programme (COM(2017) 697 final) provides a set of guiding principles for the Programme. These include: Continue supporting nuclear research focused on nuclear safety, safeguards, security, waste management, radiation protection and development of fusion. Further improve, together with beneficiaries, the organisation and management of the European Joint Programmes in the nuclear field. Continue and reinforce the Euratom education and training actions for developing relevant competencies which underpin all aspects of nuclear safety, security and radiation protection. to further exploit synergies between Euratom programme and other thematic areas of the Union Framework Programme; and to further exploit synergies between direct and indirect actions of the Euratom programme.

Amendment

(4) The Commission's Report on the interim evaluation of the 2014-18 Euratom Research and Training Programme (COM(2017) 697 final) provides a set of guiding principles for the Programme. These include: Continue supporting nuclear research focused on nuclear safety, safeguards, security, **radioactive** waste management, radiation protection and development of fusion; Further improve, together with beneficiaries, the organisation and management of the European Joint Programmes in the nuclear field. Continue and reinforce the Euratom education and training actions for developing relevant competencies which underpin all aspects of nuclear safety, security and radiation protection. to further exploit synergies between Euratom programme and other thematic areas of the Union Framework Programme; and to further exploit synergies between direct and indirect actions of the Euratom programme, **helping to ensure consistency and effectiveness within the entire Euratom Programme.**

Or. ro

Amendment 37

Françoise Grossetête

Proposal for a regulation

Recital 4

Text proposed by the Commission

(4) The Commission's Report on the interim evaluation of the 2014-18 Euratom Research and Training Programme (COM(2017) 697 final) provides a set of guiding principles for the Programme. These include: to continue supporting nuclear research focused on nuclear safety,

Amendment

(4) The Commission's Report on the interim evaluation of the 2014-18 Euratom Research and Training Programme (COM(2017) 697 final) provides a set of guiding principles for the Programme. These include: to continue supporting nuclear research focused on nuclear safety,

safeguards, security, waste management, radiation protection and development of fusion; to further improve, together with beneficiaries, the organisation and management of the European Joint Programmes in the nuclear field; to continue and reinforce the Euratom education and training actions for developing relevant competencies which underpin all aspects of nuclear safety, security and radiation protection; to further exploit synergies between Euratom programme and other thematic areas of the Union Framework Programme; and to further exploit synergies between direct and indirect actions of the Euratom programme.

safeguards, security, waste management, radiation protection and development of fusion; to further improve, together with beneficiaries, the organisation and management of the European Joint Programmes in the nuclear field; to continue and reinforce the Euratom education and training actions for developing relevant competencies which underpin all aspects of nuclear safety, security and radiation protection ***in order to ensure a high level of skills notably in the new generation of engineers***; to further exploit synergies between Euratom programme and other thematic areas of the Union Framework Programme; and to further exploit synergies between direct and indirect actions of the Euratom programme.

Or. en

Amendment 38 **Dominique Riquet**

Proposal for a regulation **Recital 4**

Text proposed by the Commission

(4) The Commission's Report on the interim evaluation of the 2014-18 Euratom Research and Training Programme (COM(2017) 697 final) provides a set of guiding principles for the Programme. These include: Continue supporting nuclear research focused on nuclear safety, safeguards, security, waste management, radiation protection and development of fusion to further improve, together with beneficiaries, the organisation and management of the European Joint Programmes in the nuclear field; Continue and reinforce the Euratom education and training actions for developing relevant competencies which underpin all aspects of nuclear safety, security and radiation

Amendment

(4) The Commission's Report on the interim evaluation of the 2014-18 Euratom Research and Training Programme (COM(2017) 697 final) provides a set of guiding principles for the Programme. These include: Continue supporting nuclear research focused on nuclear safety, safeguards, ***performance***, security, waste management, radiation protection and development of fusion to further improve, together with beneficiaries, the organisation and management of the European Joint Programmes in the nuclear field; Continue and reinforce the Euratom education and training actions for developing relevant competencies which underpin all aspects of nuclear safety,

protection. to further exploit synergies between Euratom programme and other thematic areas of the Union Framework Programme; and to further exploit synergies between direct and indirect actions of the Euratom programme.

security and radiation protection. to further exploit synergies between Euratom programme and other thematic areas of the Union Framework Programme; and to further exploit synergies between direct and indirect actions of the Euratom programme.

Or. fr

Amendment 39
Răzvan Popa

Proposal for a regulation
Recital 4 a (new)

Text proposed by the Commission

Amendment

(4a) Euratom waste management projects contribute to a better understanding of radioactive waste management issues in the EU, such as the safety of future geological disposal facilities, radioactive waste conditioning and the long-term behaviour of spent fuel in a landfill.

Or. ro

Amendment 40
Rebecca Harms
on behalf of the Verts/ALE Group

Proposal for a regulation
Recital 4 a (new)

Text proposed by the Commission

Amendment

(4a) On 29 March 2017, the United Kingdom notified the European Council of its decision to withdraw from the EU and Euratom. Since the United Kingdom is a net contributor to the Community, this may have a significant effect on the future activities of the Programme.

Amendment 41
Esther de Lange

Proposal for a regulation
Recital 5

Text proposed by the Commission

(5) The conception and design of the Programme is set against the need to establish a critical mass of supported activities. This is achieved by establishing a limited number of specific objectives focussed on safe use of nuclear fission for power and non-power applications, maintaining and developing necessary expertise, fostering fusion energy and supporting policy of the Union on nuclear safety, safeguards and security

Amendment

(5) The conception and design of the Programme is set against the need to establish a critical mass of supported activities. This is achieved by establishing a limited number of specific objectives focussed on safe use of nuclear fission for power and non-power applications, maintaining and developing necessary expertise, fostering fusion energy and supporting policy of the Union on nuclear safety, safeguards and security, ***including the development of knowledge on safe, effective and cost-efficient decommissioning of installations which reach the end of their lifespan, an area in which provisions and investment is lagging behind;***

Or. en

Amendment 42
Rebecca Harms
 on behalf of the Verts/ALE Group

Proposal for a regulation
Recital 5

Text proposed by the Commission

(5) The conception and design of the Programme is set against the need to establish a critical mass of supported activities. This is achieved by establishing a limited number of specific objectives focussed on ***safe use of nuclear fission for***

Amendment

(5) The conception and design of the Programme is set against the need to establish a critical mass of supported activities. This is achieved by establishing a limited number of specific objectives focussed on nuclear safety, safeguards and

power and non-power applications, maintaining and developing necessary expertise, fostering fusion energy and supporting policy of the Union on nuclear safety, safeguards and security

security

Or. en

Amendment 43
Dario Tamburrano

Proposal for a regulation
Recital 5

Text proposed by the Commission

(5) The conception and design of the Programme is set against the need to establish a critical mass of supported activities. This is achieved by establishing a limited number of specific objectives focussed on *safe use of nuclear fission for power and non-power applications, maintaining and developing necessary expertise, fostering fusion energy and supporting policy of the Union on nuclear safety, safeguards and security*

Amendment

(5) The conception and design of the Programme is set against the need to establish a critical mass of supported activities. This is achieved by establishing a limited number of specific objectives focussed on nuclear safety, safeguards and security.

Or. en

Amendment 44
Răzvan Popa

Proposal for a regulation
Recital 5

Text proposed by the Commission

(5) The conception and design of the Programme is set against the need to establish a critical mass of supported activities. This is achieved by establishing a limited number of specific objectives focussed on safe use of nuclear fission for power and non-power applications,

Amendment

(5) The conception and design of the Programme is set against the need to establish a critical mass of supported activities. This is achieved by establishing a limited number of specific objectives focussed on safe use of nuclear fission for power and non-power applications,

maintaining and developing necessary expertise, fostering fusion energy and supporting policy of the Union on nuclear safety, safeguards and security

maintaining and developing necessary expertise, fostering fusion energy and supporting policy of the Union on nuclear safety, safeguards and security
management resources.

Or. ro

Amendment 45
Dominique Riquet

Proposal for a regulation
Recital 5

Text proposed by the Commission

(5) The conception and design of the Programme is set against the need to establish a critical mass of supported activities. This is achieved by establishing a limited number of specific objectives focussed on safe use of nuclear fission for power and non-power applications, maintaining and developing necessary expertise, fostering fusion energy and supporting policy of the Union on nuclear safety, safeguards and security

Amendment

(5) The conception and design of the Programme is set against the need to establish a critical mass of supported activities. This is achieved by establishing a limited number of specific objectives focussed on safe *and efficient* use of nuclear fission for power and non-power applications, maintaining and developing necessary expertise, fostering fusion energy and supporting policy of the Union on nuclear safety, safeguards and security

Or. fr

Amendment 46
Esther de Lange

Proposal for a regulation
Recital 5 a (new)

Text proposed by the Commission

Amendment

(5a) The safe and secure use of nuclear energy and non-power applications of ionizing radiation, including nuclear safety and decommissioning, shall be supported by means of structural cross-border inspections and the sharing of knowledge and best practices related to

the safety of reactor systems and fuel cycles currently in use, especially in case of nuclear facilities located in the vicinity of one or more national borders with other Member States.

Or. en

Amendment 47

Rebecca Harms

on behalf of the Verts/ALE Group

Proposal for a regulation

Recital 5 a (new)

Text proposed by the Commission

Amendment

(5a) While it is for each Member State to choose whether or not to make use of nuclear power, it is acknowledged that severe nuclear accidents may endanger human health, as well as the environment, in the medium and long term. Therefore, nuclear safety and, where appropriate, security aspects dealt with by the Joint Research Centre (the 'JRC') should be given the greatest possible attention in the Euratom Programme.

Or. en

Justification

Reinserted from former Commission's R&T programmes, e.g. 2014-2018 and 2019-2020

Amendment 48

Rebecca Harms

on behalf of the Verts/ALE Group

Proposal for a regulation

Recital 5 b (new)

Text proposed by the Commission

Amendment

(5b) *The Programme is important to take the scientific and industrial leadership not only in the field of radioprotection, nuclear security and safeguards but also as regards safe decommissioning technologies. Member States having nuclear installations and willing to continue to operate nuclear power facilities are to support themselves the safe operation of existing fission power.*

Or. en

Amendment 49
Dario Tamburrano

Proposal for a regulation
Recital 6

Text proposed by the Commission

Amendment

(6) *Fusion energy research is being implemented in accordance with the European Fusion Roadmap, which outlines the research and developments required to provide the basis for an electricity-generating fusion power plant. In the short to medium term the key step is the construction and exploitation of ITER and a vigorous fusion research programme shall complement the European activities on ITER in order to support the future ITER operations and the preparation for DEMO.*

deleted

Or. en

Amendment 50
Rebecca Harms
on behalf of the Verts/ALE Group

Proposal for a regulation
Recital 6

Text proposed by the Commission

(6) *Fusion energy research is being implemented in accordance with the European Fusion Roadmap, which outlines the research and developments required to provide the basis for an electricity-generating fusion power plant. In the short to medium term the key step is the construction and exploitation of ITER and a vigorous fusion research programme shall complement the European activities on ITER in order to support the future ITER operations and the preparation for DEMO.*

Amendment

(6) The construction and exploitation of ITER *is not covered by the* Programme

Or. en

Amendment 51
Dario Tamburrano

Proposal for a regulation
Recital 6 a (new)

Text proposed by the Commission

(6a) Severe nuclear accidents of different nature, including such induced by malevolent attacks, may heavily endanger human health and the environment. Therefore, nuclear safety and, where appropriate, security aspects dealt with by the Joint Research Centre (the 'JRC') should be given the greatest possible attention in the Euratom Programme.

Amendment

Or. en

Amendment 52
Clare Moody, Theresa Griffin, Jude Kirton-Darling

Proposal for a regulation
Recital 7

Text proposed by the Commission

(7) By supporting nuclear research, the Programme should contribute to achieving the objectives of the Horizon Europe - Framework Programme for Research and Innovation ('Horizon Europe') established by Regulation (EU) No [...] of the European Parliament and of the Council²⁰ and should facilitate implementation of the Europe 2030 strategy and strengthening of the European Research Area.

²⁰ Regulation (EU) No [...] of the European Parliament and of the Council of [...] establishing EU FP9 - the Framework Programme for Research and Innovation (2021-2027) and repealing Regulation (EU) No 1291/2013 (OJ [...]).

Amendment

(7) By supporting nuclear research, the Programme should contribute to achieving the objectives of the Horizon Europe - Framework Programme for Research and Innovation ('Horizon Europe') established by Regulation (EU) No [...] of the European Parliament and of the Council²⁰, ***in particular by promoting excellence and open science***, and should facilitate implementation of the Europe 2030 strategy and strengthening of the European Research Area.

²⁰ Regulation (EU) No [...] of the European Parliament and of the Council of [...] establishing EU FP9 - the Framework Programme for Research and Innovation (2021-2027) and repealing Regulation (EU) No 1291/2013 (OJ [...]).

Or. en

Amendment 53
Clare Moody, Theresa Griffin, Jude Kirton-Darling

Proposal for a regulation
Recital 8

Text proposed by the Commission

(8) The Programme should seek synergies with Horizon Europe and other Union programmes, from their design and strategic planning, to project selection, management, communication, dissemination and exploitation of results, to monitoring, auditing and governance. With a view to avoiding overlaps and duplication and increasing the leverage of EU funding, transfers from other Union programmes to Horizon Europe activities

Amendment

(8) The Programme should seek synergies with Horizon Europe and other Union programmes, from their design and strategic planning, to project selection, management, communication, dissemination and exploitation of results, to monitoring, auditing and governance. ***It is vital that the key principles of excellence and open science are maintained across programmes.*** With a view to avoiding overlaps and duplication

can take place. In such cases they will follow Horizon Europe rules.

and increasing the leverage of EU funding, transfers from other Union programmes to Horizon Europe activities can take place. In such cases they will follow Horizon Europe rules.

Or. en

Amendment 54
Dario Tamburrano

Proposal for a regulation
Recital 9 a (new)

Text proposed by the Commission

Amendment

(9a) The activities developed under the Euratom Programme should aim at promoting equality between genders in research and innovation, by addressing in particular the underlying causes of gender imbalance, by exploiting the full potential of researchers of any gender, and by integrating the gender dimension into the content of projects in order to improve the quality of research and stimulate innovation. Activities should also aim at the implementation of the principles relating to the equality between women and men as laid down in Articles 2 and 3 of the Treaty on European Union and Article 8 of the Treaty on the Functioning of the European Union (TFEU).

Or. en

Amendment 55
Nikolay Barekov

Proposal for a regulation
Recital 16

Text proposed by the Commission

(16) The participant guarantee fund set up under Horizon 2020 and managed by the Commission has proved to be an important **safeguard** mechanism which mitigates the risks associated with the amounts due and not reimbursed by defaulting participants. Therefore, it should be continued and the Mutual Insurance Mechanism ('the Mechanism') established pursuant to Horizon Europe should also cover actions under this Regulation.

Amendment

(16) The participant guarantee fund set up under Horizon 2020 and managed by the Commission has proved to be an important mechanism which mitigates the risks associated with the amounts due and not reimbursed by defaulting participants **and could prevent such risks arising**. Therefore, it should be continued and the Mutual Insurance Mechanism ('the Mechanism') established pursuant to Horizon Europe should also cover actions under this Regulation.

Or. bg

Amendment 56
Răzvan Popa

Proposal for a regulation
Recital 17 a (new)

Text proposed by the Commission

Amendment

(17a) The JRC provides support for standardisation, open access for EU scientists to individual nuclear facilities and training activities in areas such as nuclear guarantees, forensics or decommissioning.

Or. ro

Amendment 57
Françoise Grossetête

Proposal for a regulation
Recital 19 a (new)

Text proposed by the Commission

Amendment

(19a) It is acknowledged that the Council rightly asked the European

*Parliament for its opinion on the
Research and Training Programme of the
European Atomic Energy Community for
the period 2021-2025.*

Or. en

Amendment 58

Rebecca Harms

on behalf of the Verts/ALE Group

Proposal for a regulation

Article 3 – paragraph 1 – introductory part

Text proposed by the Commission

1. The Programme *has the following general objectives:*

Amendment

1. *The general objective of the Programme is to pursue nuclear research and training activities to improve nuclear safety, security and radiation protection.*

Or. en

Amendment 59

Dario Tamburrano

Proposal for a regulation

Article 3 – paragraph 1 – introductory part

Text proposed by the Commission

1. The Programme has the following general *objectives:*

Amendment

1. The Programme has the following general *objective:*

Or. en

Amendment 60

Rebecca Harms

on behalf of the Verts/ALE Group

Proposal for a regulation

Article 3 – paragraph 1 – point a

Text proposed by the Commission

Amendment

(a) to pursue nuclear research and training activities to support continuous improvement of nuclear safety, security and radiation protection;

deleted

(Text has been moved up.)

Or. en

Amendment 61
Dario Tamburrano

Proposal for a regulation
Article 3 – paragraph 1 – point a

Text proposed by the Commission

Amendment

(a) to pursue nuclear research and training activities to *support continuous improvement of* nuclear safety, security and radiation protection;

(a) to pursue nuclear research and training activities to *improve* nuclear safety *during decommissioning*, security and *nuclear* radiation protection;

Or. en

Amendment 62
Dario Tamburrano

Proposal for a regulation
Article 3 – paragraph 1 – point b

Text proposed by the Commission

Amendment

(b) to potentially contribute to the long-term decarbonisation of the energy system in a safe, efficient and secure way.

deleted

Or. en

Amendment 63
Rebecca Harms
on behalf of the Verts/ALE Group

Proposal for a regulation
Article 3 – paragraph 1 – point b

Text proposed by the Commission

Amendment

(b) *to potentially contribute to the long-term decarbonisation of the energy system in a safe, efficient and secure way.*

deleted

Or. en

Amendment 64
Clare Moody, Theresa Griffin, Jude Kirton-Darling

Proposal for a regulation
Article 3 – paragraph 1 – point b

Text proposed by the Commission

Amendment

(b) to *potentially* contribute to the long-term decarbonisation of the energy system in a safe, efficient and secure way.

(b) to contribute to the long-term decarbonisation of the energy system in a safe, efficient and secure way.

Or. en

Amendment 65
Dominique Riquet

Proposal for a regulation
Article 3 – paragraph 1 – point b

Text proposed by the Commission

Amendment

(b) to *potentially* contribute to the long-term decarbonisation of the energy system in a safe, efficient and secure way.

(b) to contribute to the long-term decarbonisation of the energy system in a safe, efficient and secure way.

Or. fr

Amendment 66
Françoise Grossetête

Proposal for a regulation
Article 3 – paragraph 1 – point b a (new)

Text proposed by the Commission

Amendment

(ba) maintain and develop European technological leadership on new reactor systems and the entire nuclear fuel cycle;

Or. en

Amendment 67
Dominique Riquet

Proposal for a regulation
Article 3 – paragraph 2 – point a

Text proposed by the Commission

Amendment

(a) improve the safe **and** secure use of nuclear energy and non-power applications of ionizing radiation, including nuclear safety, security, safeguards, radiation protection, safe spent fuel and radioactive waste management and decommissioning;

(a) improve the safe, secure **and efficient** use of nuclear energy and non-power applications of ionizing radiation, including nuclear safety, security, safeguards, radiation protection, safe spent fuel and radioactive waste management and decommissioning;

Or. fr

Amendment 68
Rebecca Harms
on behalf of the Verts/ALE Group

Proposal for a regulation
Article 3 – paragraph 2 – point a

Text proposed by the Commission

Amendment

(a) improve the **safe and secure use** of nuclear **energy** and non-power applications of ionizing radiation, including nuclear **safety**, security, safeguards, radiation protection, safe **spent fuel and** radioactive waste management and decommissioning;

(a) improve the **safety** of nuclear **systems** and non-power applications of ionizing radiation, including nuclear security, safeguards, radiation protection, safe radioactive waste, **including spent fuels**, management and decommissioning;

Amendment 69
Dario Tamburrano

Proposal for a regulation
Article 3 – paragraph 2 – point a

Text proposed by the Commission

(a) improve the *safe and secure use* of nuclear energy and non-power applications of ionizing radiation, including nuclear *safety*, security, safeguards, radiation protection, safe spent fuel and radioactive waste management and decommissioning;

Amendment

(a) improve the *safety* of nuclear energy and non-power applications of ionizing radiation, including nuclear security, safeguards, radiation protection, safe spent fuel and radioactive waste management and decommissioning;

Or. en

Amendment 70
Jaromír Kohlíček

Proposal for a regulation
Article 3 – paragraph 2 – point b

Text proposed by the Commission

(b) maintain and further develop expertise and competence in the Community;

Amendment

(b) maintain and further develop expertise and competence in the Community *mainly by supporting secondary and tertiary education in fields related to nuclear energy and its non-military use*;

Or. cs

Amendment 71
Dario Tamburrano

Proposal for a regulation
Article 3 – paragraph 2 – point c

Text proposed by the Commission

Amendment

(c) foster the development of fusion energy and contribute to the implementation of the fusion roadmap;

deleted

Or. en

Amendment 72

Rebecca Harms

on behalf of the Verts/ALE Group

Proposal for a regulation

Article 3 – paragraph 2 – point c

Text proposed by the Commission

Amendment

(c) foster the development of fusion energy and contribute to the implementation of the fusion roadmap;

deleted

Or. en

Amendment 73

Esther de Lange

Proposal for a regulation

Article 3 – paragraph 2 – point d

Text proposed by the Commission

Amendment

(d) support the policy of the Community on nuclear safety, safeguards and security.

(d) support the policy of the Community on nuclear safety, safeguards and security, *including the development of knowledge on safe, effective and cost-efficient decommissioning of installations which reach the end of their lifespan.*

Or. en

Amendment 74

Dominique Riquet

Proposal for a regulation
Article 4 – paragraph 1

Text proposed by the Commission

1. The financial envelope for the implementation of the Programme shall be EUR **1 675 000 000** in *current* prices.

Amendment

1. The financial envelope for the implementation of the Programme shall be EUR **[X XXX XXX XXX]** in *constant* prices.

Or. fr

Amendment 75
Dario Tamburrano

Proposal for a regulation
Article 4 – paragraph 1

Text proposed by the Commission

1. The financial envelope for the implementation of the Programme shall be EUR **1 675 000 000** in *current* prices.

Amendment

1. The financial envelope for the implementation of the Programme shall be EUR **950 437 000** in *constant* prices.

Or. en

Justification

The decrease in the total budget reflects the elimination of the spending in fusion research and development.

Amendment 76
Rebecca Harms
on behalf of the Verts/ALE Group

Proposal for a regulation
Article 4 – paragraph 1

Text proposed by the Commission

1. The financial envelope for the implementation of the Programme shall be EUR **1 675 000 000** in current prices.

Amendment

1. The financial envelope for the implementation of the Programme shall be EUR **950 437 000** in current prices.

Amendment 77

Rebecca Harms

on behalf of the Verts/ALE Group

Proposal for a regulation

Article 4 – paragraph 2 – subparagraph 1 – point a

Text proposed by the Commission

Amendment

(a) *EUR 724 563 000 for fusion research and development;* *deleted*

Or. en

Amendment 78

Dario Tamburrano

Proposal for a regulation

Article 4 – paragraph 2 – subparagraph 1 – point a

Text proposed by the Commission

Amendment

(a) *EUR 724 563 000 for fusion research and development;* *deleted*

Or. en

Amendment 79

Françoise Grossetête

Proposal for a regulation

Article 4 – paragraph 2 – subparagraph 1 – point a

Text proposed by the Commission

Amendment

(a) *EUR 724 563 000* for fusion research and development; (a) *45%* for fusion research and development;

Or. en

Amendment 80

Rebecca Harms

on behalf of the Verts/ALE Group

Proposal for a regulation

Article 4 – paragraph 2 – subparagraph 1 – point b

Text proposed by the Commission

(b) EUR 330 930 000 for nuclear *fission, safety and* radiation protection;

Amendment

(b) EUR 330 930 000 for nuclear *safe decommissioning*, radiation protection *and medical applications*;

Or. en

Amendment 81

Dario Tamburrano

Proposal for a regulation

Article 4 – paragraph 2 – subparagraph 1 – point b

Text proposed by the Commission

(b) EUR 330 930 000 for *nuclear fission, safety* and radiation protection;

Amendment

(b) EUR 330 930 000 for *safe decommissioning, waste management* and radiation protection;

Or. en

Amendment 82

Françoise Grossetête

Proposal for a regulation

Article 4 – paragraph 2 – subparagraph 1 – point b

Text proposed by the Commission

(b) *EUR 330 930 000* for nuclear fission, safety and radiation protection;

Amendment

(b) *25%* for nuclear fission, safety and radiation protection;

Or. en

Amendment 83
Françoise Grossetête

Proposal for a regulation
Article 4 – paragraph 2 – subparagraph 1 – point c

Text proposed by the Commission

Amendment

(c) **EUR 619 507 000** for direct actions undertaken by the Joint Research Centre.

(c) **30%** for direct actions undertaken by the Joint Research Centre.

Or. en

Amendment 84
Françoise Grossetête

Proposal for a regulation
Article 4 – paragraph 2 – subparagraph 2

Text proposed by the Commission

Amendment

The Commission may **not** deviate, within the annual budgetary procedure, from the amount referred to in paragraph 2 (c) of this Article.

The Commission may deviate, within the annual budgetary procedure, from the amount referred to in paragraph 2 of this Article **by a maximum of 10%**.

Or. en

Amendment 85
Nikolay Barekov

Proposal for a regulation
Article 4 – paragraph 4

Text proposed by the Commission

Amendment

4. If necessary, appropriations may be entered in the budget beyond 2025 to cover the expenses provided for in paragraph 3, to enable the management of actions not completed by 31 December 2027.

deleted

Or. bg

Amendment 86
Dominique Riquet

Proposal for a regulation
Article 4 – paragraph 7

Text proposed by the Commission

7. Resources allocated to Member States under shared management and transferrable in accordance with Article 21 of Regulation (EU) XX [...Common Provisions Regulation] may, at their request, be transferred to the Programme. The Commission shall implement those resources directly in accordance with point (a) of Article 62(1) of the Financial Regulation or indirectly in accordance with point (c) of that Article. **Where possible, those** resources shall be used for the benefit of the Member State concerned.

Amendment

7. Resources allocated to Member States under shared management and transferrable in accordance with Article 21 of Regulation (EU) XX [...Common Provisions Regulation] may, at their request, be transferred to the Programme. The Commission shall implement those resources directly in accordance with point (a) of Article 62(1) of the Financial Regulation or indirectly in accordance with point (c) of that Article. **Those** resources shall be used for the benefit of the Member State concerned.

Or. fr

Amendment 87
Dario Tamburrano

Proposal for a regulation
Article 5 – paragraph 1 – subparagraph 1 – introductory part

Text proposed by the Commission

The Programme shall be open to association of the following third countries:

Amendment

The Programme shall be open to association of the following third countries, ***provided they respect the principles and rights enshrined in the European treaties and in the Charter of Fundamental Rights of the European Union:***

Or. en

Amendment 88
Dominique Riquet

Proposal for a regulation

Article 5 – paragraph 1 – subparagraph 1 – point a

Text proposed by the Commission

(a) acceding countries, candidate countries **and potential candidates**, in accordance with the general principles and general terms and conditions for the participation of those countries in Community programmes established in the respective framework agreements and Association Council decisions, or similar agreements, and in accordance with the specific conditions laid down in agreements between the Community and those countries;

Amendment

(a) acceding countries **and** candidate countries, in accordance with the general principles and general terms and conditions for the participation of those countries in Community programmes established in the respective framework agreements and Association Council decisions, or similar agreements, and in accordance with the specific conditions laid down in agreements between the Community and those countries;

Or. fr

Amendment 89

Rebecca Harms

on behalf of the Verts/ALE Group

Proposal for a regulation

Article 5 – paragraph 1 – subparagraph 1 – point b

Text proposed by the Commission

(b) countries covered by the European Neighbourhood Policy, in accordance with the general principles and general terms and conditions for the participation of those countries in Community programmes established in the respective framework agreements and Association Council decisions, or similar agreements, and in accordance with the specific conditions laid down in agreements between the Community and those countries;

Amendment

(b) countries covered by the European Neighbourhood Policy, in accordance with the general principles and general terms and conditions for the participation of those countries in Community programmes established in the respective framework agreements and Association Council decisions, or similar agreements, and in accordance with the specific conditions laid down in agreements between the Community and those countries, **and which fulfil the criteria set under point (c)**;

Or. en

Amendment 90

Rebecca Harms

on behalf of the Verts/ALE Group

Proposal for a regulation

Article 5 – paragraph 1 – subparagraph 1 – point c – introductory part

Text proposed by the Commission

(c) third countries and territories that fulfil all of the following criteria:

Amendment

(c) ***European Free Trade Association (EFTA) members and other*** third countries and territories that fulfil all of the following criteria:

Or. en

Amendment 91

Nikolay Barekov

Proposal for a regulation

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

Text proposed by the Commission

Amendment

– ***promotion of and support for modernisation;***

Or. bg

Amendment 92

Nikolay Barekov

Proposal for a regulation

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

Text proposed by the Commission

Amendment

– ***promotion of cooperation and exchanges of good practice;***

Or. bg

Amendment 93

Rebecca Harms

on behalf of the Verts/ALE Group

Proposal for a regulation

Article 5 – paragraph 1 – subparagraph 1 – point c – indent 2

Text proposed by the Commission

– commitment to a rules-based open market economy, including fair and equitable dealing with intellectual property rights, *backed by democratic institutions*;

Amendment

– commitment to a rules-based open market economy, including fair and equitable dealing with intellectual property rights, *respect of human rights, rule of law and democracy*;

Or. en

Amendment 94

Nikolay Barekov

Proposal for a regulation

Article 5 – paragraph 1 – subparagraph 1 – point c – indent 2 a (new)

Text proposed by the Commission

Amendment

– *promotion of innovation management capacity*;

Or. bg

Amendment 95

Dominique Riquet

Proposal for a regulation

Article 5 – paragraph 1 – subparagraph 1 – point c – indent 3 a (new)

Text proposed by the Commission

Amendment

– *respect for the principles of the rule of law*;

Or. fr

Amendment 96
Dominique Riquet

Proposal for a regulation
Article 5 – paragraph 2

Text proposed by the Commission

2. The scope of association of each third country to the Programme shall take into account the objective of driving economic growth in the Union through innovation. Accordingly, with the exception of acceding countries, candidate countries **and potential candidates**, parts of the Programme may be excluded from an association agreement for a specific country.

Amendment

2. The scope of association of each third country to the Programme shall take into account the objective of driving economic growth in the Union through innovation. Accordingly, with the exception of acceding countries **and** candidate countries, parts of the Programme may be excluded from an association agreement for a specific country.

Or. fr

Amendment 97
Dario Tamburrano

Proposal for a regulation
Article 7 a (new)

Text proposed by the Commission

Amendment

Article 7a

Ethical principles

1. All the research and innovation activities carried out under the Euratom Programme shall comply with ethical principles and relevant national, Union and international legislation, including the Charter of Fundamental Rights of the European Union and the European Convention on Human Rights and its Supplementary Protocols. Particular attention shall be paid to the principle of proportionality, the right to privacy, the right to the protection of personal data, the right to the physical and mental integrity of a person, the right to non-discrimination and the need to ensure high levels of human health protection.

2. Research and innovation activities carried out under the Euratom Programme shall have an exclusive focus on civil applications.

Or. en

Amendment 98
Rebecca Harms
on behalf of the Verts/ALE Group

Proposal for a regulation
Article 8 a (new)

Text proposed by the Commission

Amendment

Article 8a

Gender equality

The Programme shall ensure the effective promotion of gender equality and the gender dimension in research and innovation content.

Or. en

Justification

Reinserted from previous R&T Euratom Programmes.

Amendment 99
Rebecca Harms
on behalf of the Verts/ALE Group

Proposal for a regulation
Article 8 b (new)

Text proposed by the Commission

Amendment

Article 8b

Ethical principles

1. All the research and innovation activities carried out under the Programme shall comply with ethical

principles and relevant national, Union and international legislation, including the Charter of Fundamental Rights of the European Union and the European Convention on Human Rights and its Supplementary Protocols. Particular attention shall be paid to the principle of proportionality, the right to privacy, the right to the protection of personal data, the right to the physical and mental integrity of a person, the right to non-discrimination and the need to ensure high levels of human health protection.

2. Research and innovation activities carried out under the Programme shall have an exclusive focus on civil applications.

Or. en

Justification

Reinserted from previous R&T Euratom Programmes.

Amendment 100

Rebecca Harms

on behalf of the Verts/ALE Group

Proposal for a regulation

Article 10

Text proposed by the Commission

Amendment

Article 10

deleted

Cumulative, complementary and combined funding

1. The Programme shall be implemented in synergy with other Union funding programmes. In order to achieve the objectives of the Programme and to address challenges common to the Programme and to Horizon Europe, activities cutting across the objectives set out in the Programme or those implementing Horizon Europe, or both,

may benefit from the Community financial contribution. In particular, the Programme may provide a financial contribution to the Marie Skłodowska-Curie Actions (MSCA) in order to support activities relevant for nuclear research.

2. An action that has received a contribution from another Union programme may also receive a contribution under the Programme, provided that the contributions do not cover the same costs. The rules of each contributing Union programme shall apply to its respective contribution to the action. The cumulative funding shall not exceed the total eligible costs of the action and the support from the different Union programmes may be calculated on a pro-rata basis in accordance with the documents setting out the conditions for support.

3.

Actions which comply with the following cumulative, comparative, conditions:

(a) they have been assessed in a call for proposals under the Programme;

(b) they comply with the minimum quality requirements of that call for proposals;

(c) they may not be financed under that call for proposals due to budgetary constraints,

may receive support from the European Regional Development Fund, the Cohesion Fund, the European Social Fund+ or the European Agricultural Fund for Rural Development, in accordance with paragraph 5 of Article [67] of Regulation (EU) XX [Common Provisions Regulation] and Article [8] or Regulation (EU) XX [Financing, management and monitoring of the Common Agricultural Policy], provided that such actions are consistent with the objectives of the programme concerned. The rules of the Fund providing support

shall apply.

Or. en

Amendment 101

Răzvan Popa

Proposal for a regulation

Article 13 – paragraph 1

Text proposed by the Commission

(1) The recipients of the Programme funding shall acknowledge the origin and ensure the visibility ***of the Community funding*** (in particular when promoting the actions and their results) by providing coherent, effective and proportionate targeted information to multiple audiences, including the media and the public.

Amendment

(1) The recipients of the Programme funding shall acknowledge the origin and ***indicate the origins of European funding so as to*** ensure the visibility ***thereof*** (in particular when promoting the actions and their results) by providing coherent, effective and proportionate targeted information to multiple audiences, including the media and the public.

Or. ro

Amendment 102

Răzvan Popa

Proposal for a regulation

Article 13 – paragraph 2

Text proposed by the Commission

(2) The Commission shall implement activities on information and communication relating to the Programme, and its actions, and results. Financial resources allocated to the Programme shall also contribute to the corporate communication of the political priorities of the Community, as far as they are related to the objectives referred to in Article 3.

Amendment

(2) The Commission shall implement activities on information and communication relating to the Programme, and its actions, and results ***intended for both specialist recipients and the general public.***

Financial resources allocated to the Programme shall also contribute to the corporate communication of the political priorities of the Community, as far as they are related to the objectives referred to in Article 3.

Amendment 103
Dario Tamburrano

Proposal for a regulation
Article 13 – paragraph 3

Text proposed by the Commission

3. The Commission shall also establish a dissemination and exploitation strategy for increasing the availability and diffusion of the Programme's research and innovation results and knowledge to accelerate exploitation towards market uptake and boost the impact of the Programme. Financial resources allocated to the Programme shall also contribute to the corporate communication of the political priorities of the Community as well as information, communication, publicity, dissemination and exploitation activities as far as they are related to the objectives referred to in Article 3.

Amendment

3. The Commission shall also establish a dissemination and exploitation strategy for increasing the availability and diffusion of the Programme's research and innovation results and knowledge to accelerate exploitation towards market uptake and boost the impact of the Programme. ***The dissemination activities shall include public awareness campaign on the challenges related to the nuclear sector, in particular regarding nuclear decommissioning and waste management.*** Financial resources allocated to the Programme shall also contribute to the corporate communication of the political priorities of the Community as well as information, communication, publicity, dissemination and exploitation activities as far as they are related to the objectives referred to in Article 3.

Or. en

Amendment 104
Rebecca Harms
 on behalf of the Verts/ALE Group

Proposal for a regulation
Article 14 – paragraph 1

Text proposed by the Commission

1. Evaluations shall be carried out ***in a timely manner*** to feed into the decision-making process on the programme, its successor and other initiatives relevant to

Amendment

1. Evaluations shall be carried out ***every two years*** to feed into the decision-making process on the programme, its successor and other initiatives relevant to

research and innovation.

research and innovation.

Or. en

Amendment 105

Rebecca Harms

on behalf of the Verts/ALE Group

Proposal for a regulation

Article 14 – paragraph 2

Text proposed by the Commission

2. The *interim* evaluation of the Programme shall be carried *out once there is sufficient information available about the implementation of the Programme, but* no later than *three* years after the start of the programme implementation. It shall include an assessment of the long-term impact of previous Euratom Programmes and shall form the basis to adjust programme implementation, as appropriate.

Amendment

2. The *first* evaluation of the Programme shall be carried no later than *two* years after the start of the programme implementation. It shall include an assessment of the long-term impact of previous Euratom Programmes and shall form the basis to adjust programme implementation, as appropriate.

Or. en

Amendment 106

Rebecca Harms

on behalf of the Verts/ALE Group

Proposal for a regulation

Article 14 – paragraph 3

Text proposed by the Commission

3. At the end of the implementation of the Programme, but no later than *four* years after the end of the period specified in Article 1, a final evaluation of the Programme shall be carried out by the Commission. It shall include an assessment of the long-term impact of previous Programmes.

Amendment

3. At the end of the implementation of the Programme, but no later than *two* years after the end of the period specified in Article 1, a final evaluation of the Programme shall be carried out by the Commission. It shall include an assessment of the long-term impact of previous Programmes.

Amendment 107

Rebecca Harms

on behalf of the Verts/ALE Group

Proposal for a regulation

Article 19 – paragraph 4

Text proposed by the Commission

Amendment

4. Reflows from financial instruments established by Regulation [the Euratom Programme 2019-2020] may be invested in the Invest EU programme established by Regulation XX³⁰.

deleted

30

Amendment 108

Rebecca Harms

on behalf of the Verts/ALE Group

Proposal for a regulation

Annex I – paragraph 2

Text proposed by the Commission

Amendment

In order to achieve the specific objectives, the Programme will support cross-cutting activities that ensure synergy of research efforts in solving common challenges. Appropriate links and interfaces, such as joint calls, will be ensured with the Horizon Europe. ***Related research and innovation activities may also benefit from financial support provided by the Funds under Regulation [Common Provisions Regulation] as far as in line with these Funds' objectives and regulations.***

In order to achieve the specific objectives, the Programme will support cross-cutting activities that ensure synergy of research efforts in solving common challenges. Appropriate links and interfaces, such as joint calls, will be ensured with the Horizon Europe.

Amendment 109
Dario Tamburrano

Proposal for a regulation
Annex I – paragraph 3

Text proposed by the Commission

Activities listed in this annex include international cooperation in nuclear research and innovation for peaceful uses, based on shared goals and mutual trust with the aim of providing clear and significant benefits for the Union, its citizens and environment. This includes International cooperation through multilateral frameworks (such as IAEA, IEA, OECD, *ITER, GIF*). *JRC as the Euratom Implementing Agent for the Generation IV International Forum (GIF) will continue coordinating the Community contribution to GIF.*

Amendment

Activities listed in this annex include international cooperation in nuclear research and innovation for peaceful uses, based on shared goals and mutual trust with the aim of providing clear and significant benefits for the Union, its citizens and environment. This includes International cooperation through multilateral frameworks (such as IAEA, IEA, OECD).

Or. en

Amendment 110
Rebecca Harms
 on behalf of the Verts/ALE Group

Proposal for a regulation
Annex I – paragraph 3

Text proposed by the Commission

Activities listed in this annex include international cooperation in nuclear research and innovation for peaceful uses, based on shared goals and mutual trust with the aim of providing clear and significant benefits for the Union, its citizens and environment. This includes International cooperation through multilateral frameworks (such as IAEA,

Amendment

Activities listed in this annex include international cooperation in nuclear research and innovation for peaceful uses, based on shared goals and mutual trust with the aim of providing clear and significant benefits for the Union, its citizens and environment. This includes International cooperation through multilateral frameworks (such as IAEA,

IEA, OECD, *ITER, GIF*). *JRC as the Euratom Implementing Agent for the Generation IV International Forum (GIF) will continue coordinating the Community contribution to GIF.*

IEA, OECD).

Or. en

Amendment 111

Rebecca Harms

on behalf of the Verts/ALE Group

Proposal for a regulation

Annex I – paragraph 4

Text proposed by the Commission

The priorities of the work programmes are to be established by the Commission on the basis of its policy priorities, inputs from national public authorities and nuclear research stakeholders grouped in bodies or frameworks such as European technology platforms, associations, initiatives and technical forums for nuclear systems *and safety*, management of radioactive waste, spent nuclear fuel *and* radiation protection/low-dose risk, nuclear safeguards and security, *fusion research, or any relevant organisation or forum of nuclear stakeholders.*

Amendment

The priorities of the work programmes are to be established by the Commission on the basis of its policy priorities, inputs from national public authorities and nuclear research stakeholders grouped in bodies or frameworks such as European technology platforms, associations, initiatives and technical forums for *safe decommissioning of* nuclear systems, management of radioactive waste, *including* spent nuclear fuel, radiation protection/low-dose risk, *and* nuclear safeguards and security.

Or. en

Amendment 112

Clare Moody, Theresa Griffin, Jude Kirton-Darling

Proposal for a regulation

Annex I – paragraph 4

Text proposed by the Commission

The priorities of the work programmes are to be established by the Commission on the basis of its policy priorities, inputs from

Amendment

The priorities of the work programmes are to be established by the Commission on the basis of its policy priorities, inputs from

national public authorities and nuclear research stakeholders grouped in bodies or frameworks such as European technology platforms, associations, initiatives and technical forums for nuclear systems and safety, management of radioactive waste, spent nuclear fuel and radiation protection/low-dose risk, nuclear safeguards and security, fusion research, or any relevant organisation or forum of nuclear stakeholders.

national public authorities and nuclear research stakeholders grouped in bodies or frameworks such as European technology platforms, associations, initiatives and technical forums for **current and future** nuclear systems and safety, management of radioactive waste, spent nuclear fuel and radiation protection/low-dose risk, nuclear safeguards and security, fusion research, or any relevant organisation or forum of nuclear stakeholders.

Or. en

Amendment 113
Dario Tamburrano

Proposal for a regulation
Annex I – paragraph 4

Text proposed by the Commission

The priorities of the work programmes are to be established by the Commission on the basis of its policy priorities, inputs from national public authorities and nuclear research stakeholders grouped in bodies or frameworks such as European technology platforms, associations, initiatives and technical forums for **nuclear systems and safety**, management of radioactive waste, spent nuclear fuel and radiation protection/low-dose risk, nuclear safeguards and security, **fusion research**, or any **relevant** organisation or forum of nuclear stakeholders.

Amendment

The priorities of the work programmes are to be established by the Commission on the basis of its policy priorities, inputs from national public authorities and nuclear research stakeholders grouped in bodies or frameworks such as European technology platforms, associations, initiatives and technical forums for **decommissioning**, management of radioactive waste, spent nuclear fuel and radiation protection/low-dose risk, nuclear safeguards and security, or any organisation or forum of nuclear stakeholders **relevant for the objectives of the Programme**.

Or. en

Amendment 114
Rebecca Harms
on behalf of the Verts/ALE Group

Proposal for a regulation
Annex I – paragraph 5 – point a – introductory part

Text proposed by the Commission

Amendment

(a) Improve the ***safe and secure use*** of nuclear energy and non-power applications of ionizing radiation, including nuclear safety, security, safeguards, radiation protection, ***safe spent fuel and*** radioactive waste management ***and decommissioning***

(a) Improve the ***safety*** of nuclear energy ***system*** and non-power applications of ionizing radiation, including nuclear ***decommissioning*** safety, security, safeguards, radiation protection ***and safe*** radioactive waste management

Or. en

Amendment 115
Dario Tamburrano

Proposal for a regulation
Annex I – paragraph 5 – point a – introductory part

Text proposed by the Commission

Amendment

(a) Improve the ***safe and secure use*** of nuclear energy and non-power applications of ionizing radiation, including nuclear safety, security, safeguards, radiation protection, safe spent fuel and radioactive waste management and decommissioning

(a) Improve the ***safety*** of nuclear energy and non-power applications of ionizing radiation, including nuclear safety, security, safeguards, radiation protection, safe spent fuel and radioactive waste management and decommissioning

Or. en

Amendment 116
Rebecca Harms
on behalf of the Verts/ALE Group

Proposal for a regulation
Annex I – paragraph 5 – point a – point 1

Text proposed by the Commission

Amendment

(1) Nuclear safety: safety of reactor systems and fuel cycles, in use in the Community or, to the extent necessary in order to maintain broad nuclear safety expertise in the Community, those reactor types and fuel cycles, which may be used in the future, focusing exclusively on

deleted

safety aspects, including all aspects of the fuel cycle such as partitioning and transmutation.

Or. en

Amendment 117
Dario Tamburrano

Proposal for a regulation
Annex I – paragraph 5 – point a – point 1

Text proposed by the Commission

Amendment

(1) Nuclear safety: safety of reactor systems and fuel cycles, in use in the Community or, to the extent necessary in order to maintain broad nuclear safety expertise in the Community, those reactor types and fuel cycles, which may be used in the future, focusing exclusively on safety aspects, including all aspects of the fuel cycle such as partitioning and transmutation.

deleted

Or. en

Amendment 118
Esther de Lange

Proposal for a regulation
Annex I – paragraph 5 – point a – point 1

Text proposed by the Commission

Amendment

(1) Nuclear safety: safety of reactor systems and fuel cycles, in use in the Community or, to the extent necessary in order to maintain broad nuclear safety expertise in the Community, those reactor types and fuel cycles, which may be used in the future, focusing exclusively on safety aspects, including all aspects of the fuel cycle such as partitioning and transmutation.

(1) Nuclear safety: safety of reactor systems and fuel cycles, in use in the Community or, to the extent necessary in order to maintain broad nuclear safety expertise in the Community, those reactor types and fuel cycles, which may be used in the future, focusing exclusively on safety aspects, including all aspects of the fuel cycle such as partitioning and transmutation; ***support for sharing***

information and best practices related to the safety of reactor systems and fuel cycles currently in use, especially in case of nuclear facilities located in the vicinity of one or more national borders with other Member States and third countries.

Or. en

Amendment 119

Rebecca Harms

on behalf of the Verts/ALE Group

Proposal for a regulation

Annex I – paragraph 5 – point a – point 2

Text proposed by the Commission

(2) Safe ***spent fuel and*** radioactive waste management: management and in particular disposal of intermediate, high-level and long-lived radioactive waste ***and*** spent nuclear fuel, and of other radioactive waste streams and types for which industrially mature processes currently do not exist; ***Radioactive waste minimisation and reducing the radiotoxicity of this waste***; Management and transfer of knowledge and competences between generations and across Member States' programmes in radioactive waste ***and*** spent fuel management.

Amendment

(2) Safe radioactive waste, ***including spent fuel*** management: management and in particular disposal of intermediate, high-level and long-lived radioactive waste, ***including*** spent nuclear fuel, and of other radioactive waste streams and types for which industrially mature processes currently do not exist; ;Management and transfer of knowledge and competences between generations and across Member States' programmes in radioactive waste, ***including*** spent fuel management.

Or. en

Amendment 120

Dario Tamburrano

Proposal for a regulation

Annex I – paragraph 5 – point a – point 2

Text proposed by the Commission

(2) Safe ***spent fuel and*** radioactive waste ***management***: management and in

Amendment

(2) Safe ***management of*** radioactive waste: management and in particular

particular disposal of intermediate, high-level and long-lived radioactive waste **and** spent nuclear fuel, and of other radioactive waste streams and types for which industrially mature processes currently do not exist; Radioactive waste minimisation and reducing the radiotoxicity of this waste; Management and transfer of knowledge and competences between generations and across Member States' programmes in radioactive waste and spent fuel management.

disposal of intermediate, high-level and long-lived radioactive waste, **including** spent nuclear fuel, and of other radioactive waste streams and types for which industrially mature processes currently do not exist; Radioactive waste minimisation and reducing the radiotoxicity of this waste; Management and transfer of knowledge and competences between generations and across Member States' programmes in radioactive waste and spent fuel management.

Or. en

Amendment 121
Esther de Lange

Proposal for a regulation
Annex I – paragraph 5 – point a – point 3

Text proposed by the Commission

(3) Decommissioning: research for the development and evaluation of technologies for decommissioning and environmental remediation of nuclear facilities; support for sharing best practices and knowledge on decommissioning.

Amendment

(3) Decommissioning: research for the development and evaluation of technologies for decommissioning and environmental remediation of nuclear facilities; support for sharing best practices and knowledge on decommissioning, ***in particular cross-border cooperation and knowledge sharing in case of nuclear facilities located in the vicinity of one or more national borders with other Member States and third countries.***

Or. en

Amendment 122
Jaromír Kohlíček

Proposal for a regulation
Annex I – paragraph 5 – point a – point 4 – indent 5 a (new)

Text proposed by the Commission

Amendment

- *reprocessing and other uses of low, medium and highly radioactive materials arising from the decommissioning of nuclear facilities;*
- *recycling, or other uses of radioactive emitters from medical and industrial facilities;*
- *research and development in the field of specific pharmaceuticals with incorporated radioactive atoms;*

Or. cs

Amendment 123
Jaromír Kohlíček

Proposal for a regulation
Annex I – paragraph 5 – point b – point 1

Text proposed by the Commission

Amendment

(1) Education, training and mobility, including education and training schemes such as Marie Skłodowska-Curie Actions (MSCA).

(1) Education *in the fields of nuclear energy at secondary and tertiary level*, training and mobility, including education and training schemes such as Marie Skłodowska-Curie Actions (MSCA).

Or. cs

Amendment 124
Rebecca Harms
on behalf of the Verts/ALE Group

Proposal for a regulation
Annex I – paragraph 5 – point b – point 4

Text proposed by the Commission

Amendment

(4) *Support for the preparation and development of a competitive European fusion industrial capacity.*

deleted

Amendment 125
Dario Tamburrano

Proposal for a regulation
Annex I – paragraph 5 – point b – point 4

Text proposed by the Commission

Amendment

(4) Support for the preparation and development of a competitive European fusion industrial capacity. *deleted*

Or. en

Amendment 126
Rebecca Harms
on behalf of the Verts/ALE Group

Proposal for a regulation
Annex I – paragraph 5 – point c

Text proposed by the Commission

Amendment

(c) Foster the development of fusion energy and contribute to the implementation of the fusion roadmap *deleted*

A Co-funded European Partnership in fusion research will implement the roadmap towards the goal of fusion electricity production by the second half of this century. This may include inter alia:

(1) Exploiting existing and future fusion facilities. For this purpose operating grants may be allocated to fusion research infrastructures when appropriate.

(2) Preparation for future fusion power plants by developing all relevant aspects including materials, technologies and designs.

(3) *Implementing a focused education and training programme in addition to activities under (b)(1).*

(4) *Coordination of common activities with the Joint Undertaking Fusion for Energy.*

(5) *Collaboration with the ITER Organisation.*

(6) *Scientific collaboration in the framework of the Euratom international agreements.*

The Co-funded European Partnership in fusion will be implemented through a grant to be awarded to the legal entities established or designated by the Member States and any third country associated to the Programme. The grant may include resources in kind from the Community, or the secondment of Commission staff.

Or. en

**Amendment 127
Dario Tamburrano**

**Proposal for a regulation
Annex I – paragraph 5 – point c**

Text proposed by the Commission

Amendment

(c) *Foster the development of fusion energy and contribute to the implementation of the fusion roadmap* *deleted*

A Co-funded European Partnership in fusion research will implement the roadmap towards the goal of fusion electricity production by the second half of this century. This may include inter alia:

(1) *Exploiting existing and future fusion facilities. For this purpose operating grants may be allocated to fusion research infrastructures when appropriate.*

(2) Preparation for future fusion power plants by developing all relevant aspects including materials, technologies and designs.

(3) Implementing a focused education and training programme in addition to activities under (b)(1).

(4) Coordination of common activities with the Joint Undertaking Fusion for Energy.

(5) Collaboration with the ITER Organisation.

(6) Scientific collaboration in the framework of the Euratom international agreements.

The Co-funded European Partnership in fusion will be implemented through a grant to be awarded to the legal entities established or designated by the Member States and any third country associated to the Programme. The grant may include resources in kind from the Community, or the secondment of Commission staff.

Or. en

Amendment 128
Jaromír Kohlíček

Proposal for a regulation
Annex I – paragraph 5 – point c – paragraph 1 – point 2

Text proposed by the Commission

Amendment

(2) Preparation for future fusion power plants by developing all relevant aspects including materials, technologies and designs.

(2) deleted

Or. cs

Amendment 129
Rebecca Harms
on behalf of the Verts/ALE Group

Proposal for a regulation
Annex II – subheading 2 – table

Text proposed by the Commission

Amendment

Fostering the development of fusion energy : Progress in the implementation of the fusion roadmap – Percentage of the fusion roadmap’s milestones established for the period 2021-2025 reached by the Euratom programme

deleted

Or. en