Euratom Research and Training Programme

Call for a prize - Rules of Contest

Nuclear Innovation Prize 2025

(EURATOM-2024-NUCLEAR-Prize)
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<th>Publication Date</th>
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<td>1.0</td>
<td>12.04.2024</td>
<td>Initial version</td>
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CALL FOR APPLICATIONS — RULES OF CONTEST

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0. Introduction

This is a call (contest) for an EU Nuclear Innovation Prize in the field of nuclear research and innovation under the Euratom Research and Training Programme.

The regulatory framework for this EU Funding Programme is set out in:

- Regulation 2018/1046 (EU Financial Regulation)
- the basic act (Euratom Regulation 2021/765)

The call is launched in accordance with the 2023-2025 Euratom Research and Training Work Programme and will be managed by European Commission, Directorate-General for Research and Innovation (DG RTD).

We invite you to read the call documentation on the Funding & Tenders Portal Topic page carefully, and in particular these Rules of Contest and the EU Funding & Tenders Portal Online Manual.

These documents provide clarifications and answers to questions you may have when preparing your application:

- the Call Document (Rules of Contest) outlines the:
  - background, objectives, scope, activities that can be funded and the expected results (sections 1 and 2)
  - available budget and timetable (sections 3 and 4)
  - admissibility and eligibility conditions (including mandatory documents; sections 5 and 6)
  - criteria for exclusion (section 7)
  - evaluation and award procedure (section 8)
  - award criteria (section 9)
  - other conditions (section 10)
  - how to submit an application (section 11)
- the Online Manual outlines the procedures to register and submit applications online via the EU Funding & Tenders Portal ('Portal').

1. Background

Euratom-funded research in fission that encompasses radioactive waste management, safety of reactor systems and radiation protection benefits from consistent success in pursuing excellence across a broad range of nuclear science and technologies.

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1 For ease of reference and consistency on the Funding & Tenders Portal, the terms ‘call’, ‘project’ and ‘participant’ are used as equivalent to ‘contest’, ‘application’ or ‘contestants/applicants’.
3 Commission Implementing Decision C(2023) 1650 final of 16 March 2023 concerning the adoption of the work programme for 2023-2025 and the financing decision for the implementation of the Euratom Research and Training Programme.
Researchers and engineers are constantly challenging state of the art in the field and improving evolving technologies. This creates conditions for innovations beyond technologies and scientific breakthroughs, leading to a more dynamic and competitive European industry for the benefit of all citizens and society as a whole. The Euratom programme, together with Member States’ actions, has continuously helped maintain a high level of competences, underpinned by sound and advanced research. The Commission, in its efforts to further engage with the public and private sectors and all relevant stakeholders in the nuclear field, is seeking to identify potential disruptive innovations across product developments and their supply chain – from research to market, where researchers and engineers play a critical role.

2. Objectives — Themes and priorities — Activities— Expected results

Objectives

The Nuclear Innovation Prize highlights and rewards excellence in nuclear innovation in this field of research as well as the quality of the talented researchers and companies involved. The second contest will be awarded at the next Euratom Research and Training Conference(s) in Safety of Reactor Systems and Radioactive Waste Management (FISA 2025 – EURADWASTE’25). There are three specific categories:

1. Nuclear Innovation Prize in safety of reactor systems.
2. Nuclear Innovation Prize in safety of radioactive waste management.

Participants are free to submit an application(s) on any technological innovation in the areas of application of fission safety that encompass radioactive waste management, reactor systems and radiation protection science and technology and have been developed within fields covered in Annex I4 of the Euratom Research and Training Programme 2021-2025. These applications should have a market potential or should have been taken up (or recognised) by industry, safety or radiation protection stakeholders to be further developed for the market or for use by regulators. Expected results.

By awarding the Nuclear Innovation Prize, the Commission will showcase at both FISA and EURADWASTE conference innovations in this research sector. This will give visibility to the most dynamic, forward-looking and innovative researchers, research teams or industrial participants. This visibility will provide greater potential for valorising research, and the contest will stimulate nuclear research in the EU to develop a stronger innovation and entrepreneurial culture in line with the Commission’s industrial strategy.

The Commission applies an equal opportunities policy. With a view to promoting gender balance in the nuclear field, the Commission would particularly welcome applications from women.

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4 Annex Euratom Research and Training Programme Work Programme 2023-2025
3. Available budget

The prize budget is:

1. Nuclear Innovation Prize in safety of reactor systems.
   - 1st prize: EUR 50,000, 2nd prize: 30,000, 3rd prize: EUR 20,000.

2. Nuclear Innovation Prize in safety of radioactive waste management.
   - 1st prize: EUR 50,000, 2nd prize: 30,000, 3rd prize: EUR 20,000.

   - 1st prize: EUR 50,000, 2nd prize: 30,000, 3rd prize: EUR 20,000.

4. Timetable and deadlines

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<td>Deadline for submission:</td>
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<tr>
<td>Evaluation:</td>
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<tr>
<td>Information on evaluation results/ award:</td>
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5. Admissibility and documents

Applications must be submitted before the call deadline (see timetable section 4).

Applications must be submitted electronically via the Funding & Tenders Portal Electronic Submission System (accessible via the Topic page in the Search Funding & Tenders section). Paper submissions are NOT possible.

Applications (including annexes and supporting documents) must be submitted using the forms provided inside the Submission System (NOT the documents available on the Topic page — they are only for information).

Applications must be complete and contain all the requested information and all required annexes and supporting documents:

- Application Form Part A — contains administrative information about the applicant organisations (to be filled in directly online)

- Application Form Part B — contains the technical description of the application (to be downloaded from the Portal Submission System, completed and then assembled and re-uploaded) and should include:
• a technical description of the innovation
• a state-of-the-art assessment of the innovation
• an account, in general terms, of the market potential for the exploitation of the innovation

mandatory annexes (to be uploaded): The researcher, research team or industrial participant must obtain permission from the owner of the intellectual property rights to submit an application and provide supporting documentation. If applicants are the owners of Intellectual Property Rights, they must provide the proof of the IPR ownership.

Your application must be readable, accessible, printable.

Applications are limited to maximum 15 pages (Part B). Evaluators will not consider any additional pages.

A separate application must be submitted for each category.

You may be asked at a later stage for further documents (for legal entity validation, bank account validation, ethics review, declaration of honour, etc).

For more information about the submission process (including IT aspects), consult the Online Manual.

6. Eligibility

Eligible participants (eligible countries)

In order to be eligible, the applicants must:

– be legal entities (natural persons, public or private bodies)
– be researchers, research teams or industrial participants eligible for funding under the Euratom Research and Training Programme 2021-2025
– be established in one of the eligible countries, i.e.:
  – EU Member States (including overseas countries and territories (OCTs))
  – non-EU countries: third countries associated to the Euratom Programme

Applicants must register in the Participant Register — before the call deadline — and will have to be validated by the Central Validation Service (REA Validation). For the validation, you will be requested to upload documents showing legal status and origin.

Specific cases

Entities without legal personality — Entities which do not have legal personality under their national law may exceptionally participate, provided that their representatives have the capacity to undertake legal obligations on their behalf, and offer guarantees for the protection of the EU financial interests equivalent to that offered by legal persons5.

Third countries currently negotiating association agreements to Euratom Programme — Applicants established in third countries with ongoing negotiations may participate in the

5 See Article 197(2)(c) EU Financial Regulation 2018/1046.
call and can receive a prize if the Euratom Programme association agreement with the third country concerned applies at the time when the award decision is taken.

EU restrictive measures — Special rules apply for certain entities (e.g. entities subject to EU restrictive measures under Article 29 of the Treaty on the European Union (TEU) and Article 215 of the Treaty on the Functioning of the EU (TFEU)⁶ and entities covered by Commission Guidelines No 2013/C 205/05⁷). Such entities are not eligible to participate in any capacity.

**Measures for the protection of the Union budget against breaches of the principles of the rule of law in Hungary** — Following the Council Implementing Decision (EU) 2022/2506, as of 16 December 2022, no legal commitments can be entered into with Hungarian public interest trusts established under the Hungarian Act IX of 2021 or any entity they maintain. Affected entities may continue to apply to calls for prizes. However, as long as the Council measures are not lifted, such entities are not eligible to be awarded the prize.

For more information, see Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment.

**Eligible activities**

Applications must relate to activities in section 2 above.

**Ethics and values**

Activities must comply with the highest ethical standards and the applicable EU, international and national law on ethical principles.

Moreover, they must respect basic EU values (such as respect for human dignity, freedom, democracy, equality, the rule of law and human rights, including the rights of minorities).

The activities must comply with:

- ethical principles (including the highest standards of research integrity) and
- applicable international, EU and national law

and may not:

- aim at human cloning for reproductive purposes,
- intend to modify the genetic heritage of human beings which could make such changes heritable (with the exception of research relating to cancer treatment of the gonads, which may be financed), or
- intend to create human embryos solely for the purpose of research or for the purpose of stem cell procurement, including by means of somatic cell nuclear transfer.

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⁶ Please note that the EU Official Journal contains the official list and, in case of conflict, its content prevails over that of the EU Sanctions Map.

⁷ Commission guidelines No 2013/C 205/05 on the eligibility of Israeli entities and their activities in the territories occupied by Israel since June 1967 for grants, prizes and financial instruments funded by the EU from 2014 onwards (OJEU C 205 of 19.07.2013, pp. 9-11).
Moreover activities must have an exclusive focus on civil applications and no prize can be awarded for activities carried out outside the EU, if they are prohibited in all Member States.

Applications involving ethics issues will have to undergo an ethics review to authorise funding. Applications that did not respect the above ethical principles and standards cannot be awarded a prize.

**Security**

Applications involving EU classified information must comply with Decision 2015/444\(^8\) and its implementing rules\(^9\) and applications that are too security-sensitive cannot be awarded a prize.

### 7. Exclusion

Applicants which are subject to an **EU exclusion decision** or in one of the following **exclusion situations** that bar them from receiving EU funding can NOT participate\(^10\):

- bankruptcy, winding up, affairs administered by the courts, arrangement with creditors, suspended business activities or other similar procedures (including procedures for persons with unlimited liability for the applicant’s debts)
- in breach of social security or tax obligations (including if done by persons with unlimited liability for the applicant’s debts)
- guilty of grave professional misconduct\(^11\) (including if done by persons having powers of representation, decision-making or control, beneficial owners or persons who are essential for the award/implementation of the prize)
- committed fraud, corruption, links to a criminal organisation, money laundering, terrorism-related crimes (including terrorism financing), child labour or human trafficking (including if done by persons having powers of representation, decision-making or control, beneficial owners or persons who are essential for the award/implementation of the prize)
- shown significant deficiencies in complying with main obligations under an EU procurement contract, grant agreement, prize, expert contract, or similar (including if done by persons having powers of representation, decision-making or control, beneficial owners or persons who are essential for the award/implementation of the prize)
- guilty of irregularities within the meaning of Article 1(2) of Regulation No 2988/95 (including if done by persons having powers of representation, decision-making or control, beneficial owners or persons who are essential for the award/implementation of the prize)
- created under a different jurisdiction with the intent to circumvent fiscal, social or other legal obligations in the country of origin or created another entity with this purpose (including if done by persons having powers of representation, beneficial owners or persons who are essential for the award/implementation of the prize)


\(^11\) Professional misconduct includes: violation of ethical standards of the profession, wrongful conduct with impact on professional credibility, false declarations/misrepresentation of information, participation in a cartel or other agreement distorting competition, violation of IPR, attempting to influence decision-making processes or obtain confidential information from public authorities to gain advantage.
decision-making or control, beneficial owners or persons who are essential for the award/implementation of the prize).

Applicants will also be refused if it turns out that\textsuperscript{12}:

\begin{itemize}
  \item during the award procedure they misrepresented information required as a condition for participating or failed to supply that information
  \item they were previously involved in the preparation of the call and this entails a distortion of competition that cannot be remedied otherwise (conflict of interest).
\end{itemize}

8. Evaluation and award procedure

Applications will be subject to a formal evaluation by a jury.

If there are more than 50 applications, there will be a pre-selection to select the best 30 to pass to jury review. Otherwise, all applications will pass directly to jury review.

The pre-selection panel and jury usually have a different composition, but jury members may participate in the pre-selection panel.

The pre-selection panel/jury will evaluate each application against the award criteria.

For applications with the same score, the pre-selection panel/jury will determine a priority order according to the following approach: The score for the criterion No 2 will be given a weight of 2 and the score for criterion No 3 will be given a weight of 1.5. If two or more applications still tie for any rank or category, the prize will be equally divided and awarded to all applications with the same score.

On the basis of the evaluation by the jury (and after the mandatory checks: ethics review, security scrutiny, legal entity validation, non-exclusion, double funding and plagiarism, etc), the awarding authority will decide on the award of the prize.

All applications will be informed about the evaluation result (evaluation result letter). Successful applications will be awarded the prize; the not successful ones will be rejected.

If you believe that the evaluation procedure was flawed, you can submit a complaint (following the deadlines and procedures set out in the evaluation result letter). Please note that notifications are deemed to have been accessed (and received) 10 days after sending and that deadlines will be counted from then (see also Funding & Tenders Portal Terms and Conditions).

9. Award criteria

If admissible and eligible, the applications will be evaluated and ranked against the following award criteria:

\begin{itemize}
  \item **Originality and replicability:** The extent to which the idea is innovative, original and a first-of-a-kind use of the technology in industry or in the domain of application. The description should be clear, logically presented and well-illustrated.
  \item **Technical excellence:** The extent to which the innovation is demonstrably state-
\end{itemize}

\textsuperscript{12}See Article 141(1) EU Financial Regulation 2018/1046.
of-the-art and based on excellent science and engineering.

- **Economic impact and exploitation of the innovation**: The extent to which the submission demonstrates understanding and awareness of the relevant innovation aspects, including market potential, needs and business opportunities.

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<tr>
<th>Award criteria</th>
<th>Minimum pass score</th>
<th>Maximum score</th>
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<tbody>
<tr>
<td>Originality and replicability</td>
<td>4</td>
<td>7</td>
</tr>
<tr>
<td>Technical excellence</td>
<td>4</td>
<td>7</td>
</tr>
<tr>
<td>Economic impact and exploitation of the innovation</td>
<td>4</td>
<td>7</td>
</tr>
<tr>
<td><strong>Overall (pass) scores</strong></td>
<td><strong>12</strong></td>
<td><strong>21</strong></td>
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Maximum points: 21 points.

Individual thresholds: 4/7 points.

Overall threshold: 12 points.

Applications must pass both the individual thresholds AND the overall threshold. The prize will be awarded to three applications with the best scores in each category. First, second and third prize will be awarded in each category. Other applications will be rejected.

**10. Other conditions**

**Payment arrangements**

The prize money will be paid to the prize winners after the award ceremony, provided all the requested documents have been submitted. In case of a group of winners, the payment will be made to the lead applicant.

**Communication — Dissemination — Visibility of funding**

Prize winners must promote the prize and its results, by providing targeted information to multiple audiences (including the media and the public) in a strategic and effective manner.

Communication activities related to the prize (*including media interviews, press statements, presentations, etc., in electronic form, via traditional or social media, etc.*), must acknowledge EU support and display the European flag (emblem) and funding statement (translated into local languages, where appropriate):
The emblem must remain distinct and separate and cannot be modified by adding other visual marks, brands or text.

Apart from the emblem, no other visual identity or logo may be used to highlight the EU support.

When displayed in association with other logos (e.g. of winners or sponsors), the emblem must be displayed at least as prominently and visibly as the other logos.

For the purposes of these obligations, the winners may use the emblem without first obtaining approval from the awarding authority. This does not, however, give them the right to exclusive use. Moreover, they may not appropriate the emblem or any similar trademark or logo, either by registration or by any other means.

Any communication or dissemination activity related to the prize must use factually accurate information.

Moreover, it must indicate the following disclaimer (translated into local languages where appropriate):

"Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or European Commission, DG RTD. Neither the European Union nor the awarding authority can be held responsible for them.‘’
**IPR — Rights of use**

The awarding authority does not obtain ownership of the results produced in the context of the prize.

The awarding authority has the right to use non-sensitive information relating to the prize and materials and documents received from the winners (such as pictures or audio-visual material, in paper or electronic form) for information, communication, dissemination and publicity purposes.

Photos and videos taken by the awarding authority either in preparation of the award ceremony or during the award ceremony are the sole property of the awarding authority.

**Additional communication, dissemination and exploitation obligations**

The prize winners must comply with the following additional obligations:

- Communication activities must include the following text: “This person/team/entity was winner of the Nuclear Innovation Prize from the 2023-2025 Euratom Research and Training Programme”

**Checks, audits and investigations**

The awarding authority, the European Commission, the European Anti-Fraud Office (OLAF), the European Public Prosecutor’s Office (EPPO) and the European Court of Auditors (ECA) may carry out checks, audits and investigations in relation to the prize.\(^\text{13}\)

**Withdrawal of the prize — Recovery of undue amounts**

The awarding authority may withdraw the prize after its award and recover all payments made, if it finds out that:

- false information, fraud or corruption was used to obtain it
- the prize winners were not eligible or should have been excluded or
- the prize winners are in serious breach of their obligations under these Rules of Contest.

**11. How to submit an application**

All applications must be submitted directly online via the Funding & Tenders Portal Electronic Submission System. Paper applications are NOT accepted.

You can access the Portal [here](#), or by clicking 'Apply now' on the official prize webpage.

Submission is a **2-step** process:

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a) **create a user account and register your organisation**

To use the Submission System (the only way to apply), all participants need to [create an EULogin user account](#).

Once you have an EULogin account, you can [register your organisation](#) in the Participant Register. When your registration is finalised, you will receive a 9-digit participant identification code (PIC).

b) **submit the application**

Access the Electronic Submission System via the Topic page in the [Search Funding & Tenders](#) section.

Submit your application in 3 parts, as follows:

- Part A includes administrative information about the applicant organisations. Fill it in directly online.
- Part B (description of the action) covers the technical content of the application. Download the mandatory word template from the Submission System, fill it in and upload it as a PDF file.
- Annexes (if any; see section 5). Upload them as PDF files (single or multiple depending on the slots). Excel upload is sometimes possible, depending on the file type.

The application must keep to the [page limits](#) (see section 5); excess pages will be disregarded.

Documents must be uploaded to the [right category](#) in the Submission System otherwise the application might be considered incomplete and thus inadmissible.

The application must be submitted before the call deadline (see section 4). After this deadline, the system is closed and applications can no longer be submitted.

Once the application is submitted, you will receive a [confirmation e-mail](#) (with date and time of your application). If you do not receive this confirmation e-mail, it means your application has NOT been submitted. If you believe this is due to a fault in the Submission System, you should immediately file a complaint via the [IT Helpdesk webform](#), explaining the circumstances and attaching a copy of the application (and, if possible, screenshots to show what happened).

Details on processes and procedures are described in the [Online Manual](#). The Online Manual also contains the links to FAQs and detailed instructions regarding the Portal Electronic Exchange System.

**12. Help**

Additional information can be found:

- [Online Manual](#)
- [Nuclear Innovation Prize website](#)
- [Portal FAQ](#) (for general questions).

Please also consult the Topic page regularly, since we will use it to publish call updates.
Contact

For individual questions on the Portal Submission System, please contact the IT Helpdesk.

Non-IT related questions should be sent to the following email address RTD-FISSION@ec.europa.eu.

Please indicate clearly the reference of the call and topic to which your question relates (see cover page).

13. Important

**IMPORTANT**

- **Don’t wait until the end** — Complete your application sufficiently in advance of the deadline to avoid any last minute technical problems. Problems due to last minute submissions (e.g. congestion, etc.) will be entirely at your risk. Call deadlines can NOT be extended.

- **Consult** the Portal Topic page regularly. We will use it to publish updates and additional information on the call (call updates).

- **Funding & Tenders Portal Electronic Exchange System** — By submitting the application, all applicants accept to use the electronic exchange system in accordance with the Portal Terms & Conditions.

- **Registration** — Before submitting the application, all applicants must be registered in the Participant Register. The participant identification code (PIC) (one per applicant) is mandatory for the Application Form.

- **Joint applications** — Joint applications by a group of applicants are admitted. In this case, you must appoint a lead applicant (coordinator) to submit the application and represent you towards the awarding authority. All applicants will be jointly responsible and must all fulfil and respect the conditions set out in these Rules of Contest.

- **No double funding** — There is a strict prohibition of double funding from the EU budget. Applications that have already received an EU prize cannot receive a second prize for the same activities.

- **Resubmission** — Applications may be changed and re-submitted until the deadline for submission. For first past the post prizes with cut-off dates, applications can be changed and re-submitted until the cut-off date; the re-submission may however let you use your position as first in place.

- **Rejection** — By submitting the application, all applicants accept the call conditions set out in this these Rules of Contest (and the documents they refer to). Applications that do not comply with all the call conditions will be rejected. This applies also to applicants: All applicants need to fulfil the criteria; if any one of them doesn't, they must be replaced or the entire application will be rejected.

- **Cancellation** — The awarding authority may cancel the contest or decide not to award the prize — without any obligation to compensate participants (e.g. no applications, jury cannot determine winner, winner is not eligible or must be excluded, objectives have already been achieved, etc). In this case, you will be informed via a call update.
• **Language** — You can submit your application in any official EU language. However, for reasons of efficiency, we strongly advise you to use English. If you need the call documentation in another official EU language, please submit a request within 10 days after call publication (for the contact information, see section 12).

• **Transparency** — In accordance with Article 38 of the EU Financial Regulation, information about EU prizes awarded and the winners (name, address and amount awarded) is published each year on the Europa website.

The publication can exceptionally be waived (on reasoned and duly substantiated request), if there is a risk that the disclosure could jeopardise your rights and freedoms under the EU Charter of Fundamental Rights or harm your commercial interests.

• **Data protection** — Any processing of personal data in the context of this prize will be done in accordance with Regulation 2018/1725. It will be processed solely for the purpose of evaluating your application (and subsequent management of your prize and, if needed, programme monitoring, evaluation and communication). Details are explained in the Funding & Tenders Portal Privacy Statement.