

# ANNUAL REPORT 2025



EUROPEAN NUCLEAR SOCIETY

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**Scientific Excellence  
Independent Expertise  
Collaborative Networks**



# Word from the President



Dear colleagues,

As we look back on 2025, I am pleased to present the **ENS Annual Report**, reflecting another year in which the Society reaffirmed its commitment to advancing nuclear science and technology for the benefit of society.

Across Europe, the **positive momentum around nuclear energy has continued to grow**. Nuclear power is increasingly recognised as an essential contributor to climate objectives, energy security, and industrial resilience. This trend is reflected in recent developments at EU level, including the approval of State aid for nuclear projects and the continued work of the European Industrial Alliance on Small Modular Reactors, which has issued its Strategic Action Plan for the period 2025-2029. At the same time, **significant challenges remain**, particularly in terms of skills, investment, regulatory alignment, and public trust – areas where ENS continues to play an active and constructive role.

In 2025, **ENS celebrated a major milestone: its 50th anniversary**. This remarkable achievement was marked together with members of all generations, partners, and distinguished guests, creating a true family atmosphere that reflected **ENS's long-standing role as a hub for the European nuclear professional community**. As I stated during our anniversary celebrations in Vienna, I strongly believe that *"the scientific community will continue to play a central role in this new nuclear era – together with policymakers, industry, and civil society."*

Scientific exchange remained at the heart of our activities. **A successful edition of RRFM** once again demonstrated ENS's ability to convene the international research reactor community, while introducing an appreciated debate on synergies between SMR and AMR developers and the R&D community. Building on this momentum, this dialogue will evolve further in 2026 with the launch of **SMaRRt**, a dedicated one-day event held alongside RRFM.

# Word from the President

In addition, Leiden will host another timely initiative with the **International Radioisotope Supply Chain Meeting (IRIS)**, addressing critical issues for medicine, industry, and research.

ENS also continued to contribute actively to major European initiatives, including **FISA-EURADWASTE 2025**, which we co-organised with **a strong emphasis on youth inclusion and engagement**. Supporting the next generation remains a core priority. In this context, I am particularly pleased to highlight the **ENS Young Generation Network**, which celebrated **its 30th anniversary in 2025** alongside a highly successful edition of the **European Nuclear Young Generation Forum (ENYGF)** in Zagreb.

Throughout the year, the **ENS Secretariat represented the European nuclear community at more than 30 high-profile international events**. This sustained presence ensured that the voice of our **22 Member Societies and 25 Corporate Members and 1 Associate Member** was heard in key forums, including the IAEA International Conference on Stakeholder Engagement for Nuclear Power Programmes, the IV OECD-NEA Stakeholder Involvement Workshop, and the second General Assembly of the European Industrial Alliance on SMRs.

Within this report, you will find a detailed overview of these activities, as well as a preview of **our plans for 2026**. I warmly invite you not only to explore them, but also to actively contribute to their successful realisation.

Thank you all for your continued support.

Warm regards,



**Dr. Eng. Stefano Monti**  
ENS President

# 2025

## State of Society

In 2025, the European Nuclear Society (ENS), a Learned Society representing professionals in the nuclear sector, comprised **22 Member Societies, 25 Corporate Members, and 1 Associate Member\***.

The network welcomed EPRI as new Corporate Member after the latest General Assembly.



ENS follows its core values in its actions:

- **Scientific** – membership includes nuclear sector professionals, such as academics, researchers, and experts.
- **Independent** – made up of volunteers offering their independent expertise beyond corporate influence.
- **Network** – serves as an umbrella organisation for national networks of nuclear professionals, promoting collaboration among scientists and engineers across countries and disciplines.

To achieve its goals, ENS undertook various activities, and continuing the close collaboraton with the **High Scientific Council**, the **Young Generation Network** and the **Working Groups**. Finally, as evey year, ENS confirmed its strong support to the **Nuclear for Climate** initiative.

Learn more from the next page.

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\* Associate Members are part of the ENS community and support its mission and activities, while not participating in the Association's governance.

# Activities in 2025

In 2025, ENS Secretariat started **implementing the updated Strategy of the Society**, in line with its core values, and based on the extensive brainstorming and discussions shared with all our Members in 2024.

The ENS Secretariat identified three strategic objectives to be implemented over the year.

## Connecting with members

### Networking, professional development and international partnerships

2025 marked the **50th anniversary of the European Nuclear Society**, an important milestone that ENS celebrated in Vienna, together with members of all generations, partners, and distinguished guests, creating a true family atmosphere that reflected the Society's long-standing role as a hub for the nuclear professional community.



Thanks to meaningful collaborations with partner organisations, ENS can achieve its goals and support the development of the nuclear sector more effectively.

This year, during the 69th IAEA General Conference in Vienna, the renewal of the **Practical Agreements between ENS and the IAEA** restated our cooperation in the areas of nuclear knowledge management, education, training and capacity building in the fields of nuclear energy, science, applications and others.



The latest **ENS General Assembly and High Scientific Council meeting**, hosted by the Nuclear Institute in Manchester featured multiple important activities of the Society. Alongside formal meetings and the **finale of ENS PhD Award**, participants took a technical tour to the Heysham NPP, gaining interesting first-hand insight into AGR operation. The programme also fostered connecting international participants with Nuclear Institute Members at a dedicated evening with country updates on nuclear developments across Europe.



The 2025 edition of **European Research Reactor Conference** (RRFM, 6–10 April, Aix-en-Provence) created platform bringing communities together around emerging priorities for the nuclear sector. The conference opened with [a dedicated Symposium on synergies](#) between SMR/AMR developers and the R&D community, creating a space for fruitful exchanges.



Through focused discussions on development pathways, technical challenges, and innovative designs, RRFM confirmed its role as a catalyst for collaboration and a key forum for translating research expertise into progress towards deployment.

Furthermore, ENS launched a [Focus Group for school outreach and public engagement](#). The works of the group will continue throughout 2026, collecting and highlighting best practices of the Societies in stakeholder engagement.



# Strengthening Proactive Communication

## Mobilising ENS expertise to support dialogue within the European nuclear community

Following the process advised by the Communications Working Group, ENS updated its **Communication Strategy**.

**"Nuclear Focus"** collects contributions and in-depth materials developed together with nuclear experts and professionals from the ENS network. The contents aim to highlight key issues shaping Europe's nuclear landscape, combining scientific, technical and societal perspectives.

**Interview**  
- Securing Belgium's Nuclear Future | How Young Professionals Contribute to Long-Term Operation

**Webinar**  
- Exploring LTO in Europe | Perspectives on Extending Nuclear Lifetimes to 80 Years

**Gallery**

Based on several topics of interest, the Strategy started with the first topic "Long-Term Operation".

Moreover, following multiple inputs from Members, ENS restarted its **webinar series**, offering attractive proposals on topics relevant to **various nuclear communities** (e.g. fuel, HR, waste management, LTO...). The sessions successfully fostered active discussions, in particular engaging with audiences from involved countries and sectors, while recording high registration and attendance rates.

**From Shutdown To Restart**  
Feasibility, Innovation, and Engineering Perspectives on Nuclear Power Plant Reactivation  
21st October 2025, 100pm CEST Online  
with Martin Paché, KfK, Bruno Migliorini, Framatome, Emanuele Vassalli, KfK

**The Circular Economy of Nuclear**  
Turning Challenges into Opportunities  
25th September 2025, 100pm CEST Online  
with Didier Leonard, SCK-CEN, Ewen Boden, EDF

**Advancing Fuel Design with Sovereign Solutions**  
The Development of VVER Fuel Engineering Services at Framatome  
8th October 2025, 100pm CEST, Online  
with Bruno Migliorini, Framatome

ENS, as a Learned Society, was often requested for statements about technology and recent nuclear developments, contributing to [articles and interviews](#) in international newspapers and magazines (e.g. [Reuters](#), [NYT](#)...), ensuring a strong public presence for nuclear topics.

**ENS** continued playing an **active role in key discussions**, representing the European nuclear community at **over 30 high-profile events**.



The participation in forums, like the **IAEA** International Conference on Stakeholder Engagement for Nuclear Power Programmes, the IV **OECD-NEA** Stakeholder Involvement Workshop, and the second General Assembly of the **European Industrial Alliance on SMRs** – of which ENS is a member since its launch in 2024 – let us **bring the voice of our members to multiple international stages**.

**Nuclear for Climate** delivered another successful awareness-raising campaign at **COP30 in Belém, Brazil**. The initiative hosted a well-attended exhibition pavilion and engaged with policymakers, researchers, activists and civil society. N4C also contributed to several UNFCCC side events alongside international partners, industry leaders and government representatives. The campaign concluded with a UN-supported press conference and [a joint statement with Women in Renewable Energy](#), highlighting cross-sector cooperation and the value of technology-neutral climate policies.



## Supporting the Scale-Up of the Nuclear Workforce

ENS remained committed to supporting this objective by fostering the professional development, and actively **empowering the Young Generation**. Through the European Nuclear Society Young Generation Network, targeted EU-supported initiatives, and strategic engagement, ENS contributes to building a skilled and motivated workforce ready to meet the sector's evolving needs.

ENS was a co-organiser of the 2025 edition of Euratom Research and Training Conferences **FISA - EURADWASTE**, taking over the role of youth inclusion in the event. Among the highlights was the first day of the programme: **Youth Day**, bringing together +70 young talents from across Europe – a full day dedicated to youth, with inspiring keynotes, and hands-on workshops. Moreover, ENS gave full support to the [\*\*Youth Vision Statement: Nuclear by 2050 – A Vision for Action\*\*](#) developed and launched by young professionals in Warsaw.



Over the year, ENS supported the [\*\*ENS Young Generation Network – ENS-YGN\*\*](#) in its key role in fostering knowledge exchange among young professionals across Europe. The ENS-YGN core event, **European Nuclear Young Generation Forum (ENYGF25)**, co-organised by ENS and the Croatian Nuclear Society, hosted more than 200 international young professionals in nuclear in Zagreb, presenting their scientific achievements, engaging in intergenerational panels, workshops and technical tours. The conference was preceded by IAEA Nuclear Energy Management School, accompanying ENYGF since 2021.



The finale of the 2025 edition of the **Innovation 4 Nuclear (I4N)** European annual competition also took place in Croatia. This successful contest, encouraging innovation and project-based thinking, brought together brilliant teams from 11 European Countries, all exploring the theme of theme "Nuclear technology - an opportunity for economic development".

ENS also continued to highlight academic excellence through its prestigious **PhD Award**, realised under the auspices of the **ENS High Scientific Council. The 2025 competition included candidates** from 11 Member Societies.



The winner, **Dr. Đorđe Petrović**, was recognised for his innovative work on the physics of a Core Disruptive Accident in a Heavy Liquid Metal Fast Reactor.

As an active contributor to EU youth-related projects, ENS led the Cross-YGN initiative, organising **workshops, summer schools and activities designed for pupils, students, and young professionals** in the nuclear field. In the framework of the **ENEN2Plus project**, ENS also launched a podcast series, '[Powered by Passion](#)', featuring a range of nuclear professions, highlighting the diversity of opportunities awaiting passionate professionals entering the sector.



Throughout the year, ENS globally continued strengthening the involvement of young professionals in the Society's scientific activities. Additional initiatives like the **YGN Reporters**, **attending ENS conferences**, and the **RRFM Student Competition** provided valuable opportunities for early-career professionals to connect with leading experts and to present their work. We remain dedicated to expanding similar opportunities through meaningful **partnerships with international institutions** (IAEA, OECD-NEA, EU Commission Directorates, ENEN...), access and participation in decision-making processes, and support for accelerated career development.

# 2026

## Looking ahead

ENS 2026 calendar is already rich in activities, conferences and events. Learn more below!

### Scientific exchange and science promotion The meeting points of the international nuclear communities

#### Conferences

- [\*\*NESTet 2026\*\*](#) (2-4 March 2026, Brussels, Belgium), focusing on nuclear Education and Training
- [\*\*RRFM 2026\*\*](#) (20-24 April 2026, Leiden, The Netherlands), the annual European Research Reactor Conference, this year in parallel with
  - [\*\*IRIS - International Radioisotope Supply Chain Meeting\*\*](#) (20-21 April, Leiden, The Netherlands)
  - [\*\*SMaRRt - SMR-AMR and R&D: Innovating Together\*\*](#) (22 April 2026, Leiden, The Netherlands)
- **PIME** (October 2026, venue TBC), the ENS's dedicated event for nuclear communicators
- **ANTS** (November 2026, Prague, Czech Republic), exploring nuclear technologies for space exploration



#### Scientific community projects

- **HSC PhD Award** – the annual finale of PhD Awards of Member Societies, under the auspices of ENS High Scientific Council.
- **High Scientific Council Position Papers** in 2026 will feature Long-Term Operation (February 2026) and Medical Applications & Radiopharmaceuticals and more.

# Supporting the Young Generation

- **I4N Europe** – The new edition of the European finale of youth nuclear innovation contest, planned in Edinburgh (June 2026). [More info here](#).
- the **Cross-YGN initiative** continues its productive collaboration by preparing new activities in the framework of the ENEN2Plus project:
  - a workshop at NESTet 2026, to bring young professionals' point of view on stage,
  - the second season of the Podcast 'Powered by Passion'
  - online webinars with international YGNs, to promote the mutual exchange across continents



## Climate activities

- **Nuclear for Climate and UNFCCC COP31** – ENS will support [Nuclear for Climate](#) volunteers in the awareness-raising campaign about nuclear energy and climate, as well as in participation in COP31 in Antalya, Turkey, 9–20 November 2026.

## More collaboration opportunities!

Contact ENS to learn more about the international opportunities for ENS Members and partners:

- Participation in Working Groups, High Scientific Council
- PhD Award
- Organise a webinar with ENS
- Promotion of Members' events and activities
- ENS participation at your conference/Annual Meeting
- Sponsorship opportunities for ENS conferences and projects
- Collaboration in supporting our Young Generation Network
- Any other ideas?

# Contact us!

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