



Dear partners and members,

At ENEN, our mission is clear:

- ◆ **Preserve and further develop nuclear knowledge**
- ◆ **Promote access to high-quality education and training**
- ◆ **Support mobility and career development for nuclear professionals across Europe and beyond**

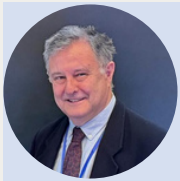
This winter edition of the **ENEN Newsletter** brings you the latest updates and highlights from our activities – all of which are rooted in this shared mission. Whether it's a student presenting their research on an international stage, a new training course enhancing nuclear expertise, or a cross-border partnership unlocking new opportunities for collaboration, ENEN is actively involved at every step.

Throughout this issue, you'll find stories of impact from mobility actions under our EU-funded projects. These are not isolated achievements – they are the direct result of a growing and resilient network built on cooperation, excellence, and shared purpose.

As the nuclear field evolves and takes on new challenges – from sustainability to innovation – ENEN continues to play a pivotal role in ensuring that Europe has the human capital and expertise needed to lead the way.

Let's celebrate what we've achieved together – and look ahead for a prosperous 2026!

With warm regards,



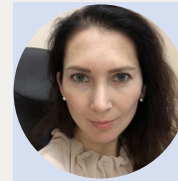
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ENEN's Project PORTFOLIO



Spotlight on Our *Projects*



ENEN2Plus WEBINAR SERIES

INTERNATIONAL WEBINARS IN NUCLEAR ENERGY

📅 Friday, November 14, 2025 | 15:00 CET

🎧 Topic: SA Research Method: Entering the UaSA Age

📅 4th – 8th August 2025; 8th – 12th September 2025; 15th – 19th December 2025

🎧 Topic: Particle Engineering in the Nuclear Industry

Career Event: “Working in the Nuclear Field – Experience and Opportunities”

📅 14–15 October, 2025 | 📍 Università di Pisa, Pisa, Italy

The event offered students and graduates the opportunity to connect with leading nuclear-sector organisations, explore career paths, and network with experts

🌟 The 4th European Nuclear Competition for secondary school students

📅 14–18 July, 2025 | 📍 Bologna, Italy

We brought together brilliant young minds from across Europe to showcase their vision for the future of nuclear science and technology.

💡 After months of preparation, 15 finalist teams gathered in Bologna to present their creative video projects and pitch their ideas live to an expert jury. Each team had 5 minutes to present, share their videos and followed by an engaging Q&A session.

From innovative reactor designs to applications of nuclear medicine, the ideas shared during the presentations reflect the depth of talent and commitment of the next generation in nuclear.

We are proud to announce the Top 3 winning teams:

🏆 **QUANTUM CROP** from PPMG "Akad. Ivan Tsenov", Bulgaria

🏆 **NUCLEAR DETECTIVES** from PPMG "Akad. Ivan Tsenov", Bulgaria

🏆 **Nuclear PETs** from National College "Gheorghe Lazăr" Sibiu, Romania

🌟 Congratulations to all participating teams for their creativity, professionalism, and commitment to a nuclear-powered future! Your passion for science and innovation truly lit up Bologna this week.

ENEN2Plus WEBINAR SERIES

Building European Nuclear Competences: Through Continuous Advanced and Structured Education and Training Actions

Webinar Series brought together experts from across the nuclear field to explore key topics in education, innovation, and research. Thank you to all speakers and participants for engaging discussions and insightful exchanges!



CONNECT-NM aims to strengthen innovation in nuclear materials by connecting research, industry, and end-users across Europe. The project supports the development of advanced materials critical for the safety, performance, and sustainability of current and future nuclear systems.

📍 JHR Advanced School

📅 13–17 October 2025 | 📍 Marseille, France

Co-organized by UNIBO, AMU, CEA, the JHR Consortium, and CONNECT-NM, this second edition brings together young researchers and engineers eager to deepen their expertise in Materials Testing Reactors and the future of nuclear R&D in Europe. A full week of technical insight and hands-on learning!

🌟 CONNECT-NM Young Researcher Network (YRN) creation and workshop

📅 11 September, 2025 | 📍 Location: Bratislava, Slovakia

The CONNECT-NM partnership on nuclear materials is launching a Young Researcher Network (YRN) to connect early-career researchers with leading experts in the field. This initiative aims to foster long-term collaboration and dialogue between emerging professionals and the established scientific community.

👤 **Who can apply?** PhD students, post-docs, young professionals, and MSc students from CONNECT-NM member institutions—or from institutions interested in joining the partnership.



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the European Union

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Spotlight on Our *Projects*

EASI-SMR: Advancing SMR Safety through Workshops and Training Activities

Under Work Package 8, coordinated by ENEN, the EASI-SMR project is organizing four interactive workshops on key SMR safety topics: scaling, passive systems, core physics, and human and organizational factors. These workshops will take place across Europe with hybrid (in-person and online) participation options available through 2027.

EASI-SMR International Workshop on Thermal-Hydraulic Scaling for SMR Safety Demonstration 2025

16–19 December 2025 | Bologna & Piacenza, Italy

bringing together leading experts from Europe, the USA, Japan, and South Korea.

Over three days, participants got to:

- ◆ Explore SMR-specific thermal-hydraulic phenomena.
- ◆ Review methodologies, limitations, and advanced approaches in scaling techniques.
- ◆ Learn from international case studies (USA, Europe, Japan, South Korea).
- ◆ Have a technical visit to SIET facilities in Piacenza for hands-on insights.
- ◆ Engage in panel discussions on scaling from experiments to reactor design, and managing distortions, uncertainties, and simulation codes.

This interactive programme is designed to equip participants with cutting-edge knowledge for supporting SMR safety demonstration and licensing.



GO-VIKING: The project aims to improve the safety of contemporary reactors and the design evaluation of new concepts, as well as to generate and disseminate knowledge on flow-induced vibrations among nowadays and upcoming stakeholders in the nuclear field.

GO-VIKING TrioCFD Training

9–10 October 2025 | Saclay, France

TRUST/TrioCFD team is pleased to announce a two-days user's training session with focus on ALE. The programme covered the code's history, an overview of its capabilities, parallelism in TRUST & TrioCFD, fluid-structure interaction (FSI), how to run FSI simulations, mesh generation using Salomé, and the use of validation sheets in Jupyter, complemented throughout by hands-on practice.

Organised by: GO-VIKING & CEA

GO-VIKING OpenFOAM FSI Training

22–23 October 2025 | Garching, Germany

a two-day OpenFOAM training course with focus on FSI simulations with Arbitrary Lagrangian-Eulerian interface tracking method. The course will include the setting-up and the analysis of a simplified FSI test case with the CFD program OpenFOAM and the structural mechanics code CalculiX.

Organised by: GO-VIKING & Gesellschaft für Anlagen- und Reaktorsicherheit gGmbH



SECURE: The project aimed to remove critical barriers in the production of selected alpha and beta-emitting isotopes to ensure sustainable supply, to develop guidance and recommendations for harnessing the full clinical potential of alpha and beta particle therapy, while prioritizing safety and to provide key lessons learned to showcase how to overcome challenges in upscaling and sustaining isotope production.

SECURE Project Final Meeting

15th – 16th September, 2025 | Warsaw, Poland

The meeting featured final presentations from all technical work packages, with partners sharing deliverable updates, publications, and key lessons learned. Discussions explored the future of medical radionuclide production, alternative pathways, legacy materials, radiochemistry, and distribution practices.

A huge THANK YOU to all our partners for their dedication, expertise, and teamwork throughout the project. Together, we've made an important step forward for Europe's capacity in nuclear medicine. We look forward to find a way to continue this journey of collaboration and innovation in the future.



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Spotlight on Our *Projects*



NURECAB – Empowering Ukraine’s Nuclear Talent

NUCNEXT-2025: Prospects for the Implementation of Innovations in Nuclear Energy

 25–26 September 2025 |  Kyiv, Ukraine



The VII International Scientific and Technical Conference NUCNEXT-2025 was held at the Grand Conference Hall of the National Academy of Sciences of Ukraine, bringing together over 200 participants, including representatives of specialised institutions, leading scientists, young professionals, and international partners.



The conference addressed key topics related to Ukraine’s energy development strategy and global trends in the nuclear sector, with dedicated discussions on wartime challenges for nuclear power plants, the deployment of small modular reactors (SMRs), lifetime extension of existing power units, as well as innovations in nuclear education and radiation protection.

A special focus was placed on the panel session organised by the NURECAB project consortium, which explored the role of nuclear education in supporting Ukraine’s integration into the European nuclear community, particularly in the areas of research, innovation, and training.


SENSSETT – Strengthening European Nuclear Safety and Safeguards Education training and tutoring





Specializing Master in Nuclear Safeguards

 November 2025 |  Politecnico di Milano – Department of Energy, Milano , Italy

The third edition of the First-Level Specializing Master in Nuclear Safeguards was launched in November 2025. This advanced training program is designed to prepare the next generation of professionals in the field of nuclear safeguards, combining expertise in political science, forensics, and nuclear science & technology.

 Organized in collaboration with ENEN member universities, the EU Joint Research Centre (JRC), ESARDA partners, and international organizations, this program is part of the SENSSETT Project (Strengthening European Nuclear Safety and Safeguards Education, Training, and Tutoring), co-funded by the European Union under the EU-INSC Instrument.

-  Financial support available for Extra-EU students (especially from INSC countries)
-  EU students: partial scholarships offered by Politecnico di Milano.

9-Month Online modules
Interactive videos, quizzes, and group activities.

5 Weeks of In-Presence Labs
Hosted at Politecnico di Milano, JRC Labs & European research centers.

3-Month Project Work
Apply learned concepts to real-world nuclear safeguards projects.



FREDMANS – the project aims to increase safety and efficiency in both nuclear power production as well as the recycling of spent fuel

3rd FREDMANS Training Session – Actinide Science & Innovative Nuclear Fuel Cycles

 15–19 September 2025 |  NCSR “Demokritos”, Athens, Greece







The 3rd FREDMANS training session successfully brought together students and early-career researchers for an intensive week focused on actinide science and innovative nuclear fuel cycles. As part of the FREDMANS project (GA 101060800), the training highlighted advances in nitride fuels, safety, recyclability, and waste management—key topics for the future of sustainable nuclear energy. Participants benefited from expert lectures covering actinide chemistry, fuel fabrication and recycling, safety and regulation, complemented by a technical visit to the Tandem Accelerator Laboratory. Lectures were delivered by leading specialists from Chalmers University, KTH, JRC, PSI, NNL, ENEA, and Westinghouse.

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Skills4Nuclear (S4N) - recently started in 2025 and had the ambition to create relevant actions for supporting European Commission in securing enough qualified workforce for the existing and new projects in nuclear.

As first actions, we have reviewed 21 national workforce assessments needs and actions targeting the nuclear field. Some countries have well developed plans to secure the future workforce while others are beginning to draft them. The next step is to create the communities forums that will contribute to the development of the qualified workforce and to decide together what would be the next steps in this regard



The Hub



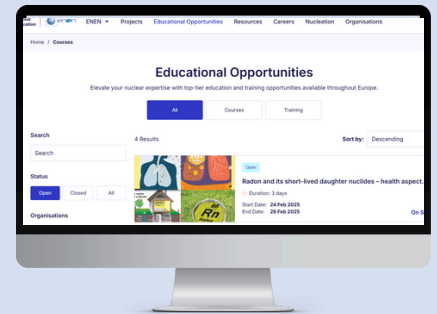
Developed under the ENEN2Plus project, the ENEN HUB is a dynamic platform connecting the nuclear E&T community, research institutions, and industry.

For course providers & industry

- Promote your training programmes and job offers.
- Share resources and connect with a network of experts.

For students & young professionals

- Discover learning and career opportunities.
- Build your profile and connect with organisations across Europe.
- Access to Vocational E&T opportunities Platform



Need help to register?



EMSNE Certification Ceremony

at the Nuclear Energy for New Europe - NENE

📅 8-11 September, 2025 | 📍 Location: Bled, Slovenia

The European Master of Science in Nuclear Engineering (#EMSNE) is one of ENEN's flagship initiatives. This Certificate, endorsed by all ENEN members, recognizes graduates who have achieved the highest quality standards in Nuclear Engineering education and reflects the strong European dimension of their academic journey.

👏 We warmly congratulate this year's EMSNE laureates on their achievements and commitment to advancing the field of nuclear engineering. :

- Nazia Rahim Ananya
- Davide Cozzarizza
- Giacomo Tinfena
- Topias Zein
- Francesco Brigante
- Luigi Barone

🔗 Learn more about EMSNE and ENEN's education initiatives:
<https://enen.eu/index.php/emsne-certification/>



ENEN PhD Event & Prize at PHYSOR 2026 Conference

📅 19-23 April, 2026 – Exact date TBC





📍 Turin, Italy

🔗 Scan to learn more and apply:



The ENEN PhD Event & Prize is an action of the European Nuclear Education Network to support the Research and Science in the Nuclear fields promoting the works of the young scientists and researchers who start their careers finishing their PhD. It takes place on a yearly basis in the framework of the international congress in the field of nuclear science.

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UPCOMING EVENTS

STAY TUNED

CONFERENCE: 13th International Conference on Flow-Induced Vibration

 July 7–10, 2026 |  Paris & EDF Chatou, France

The conference will bring together researchers and practitioners working on FIV across nuclear and industrial applications. It will feature technical sessions, discussions, and presentations of recent research advances.

Key dates:

- Abstract submission deadline: 17 November 2025
- Notification of abstract acceptance: 15 December 2025
- Full paper submission deadline: 15 April 2026
- Notification of paper acceptance: 15 May 2026
- Submission of revised papers: 19 June 2026

 REGISTRATION OPENS ON JANUARY 31ST, 2026

WORKSHOP: Final Workshop: Flow-Induced Vibrations in Nuclear Systems

 20-22 May, 2026 |  GRS, Garching, Germany

The GO-VIKING project will host its Final Workshop dedicated to Flow-Induced Vibrations (FIV) in nuclear systems, bringing together experts from research, industry, and regulatory bodies. The event will present the main scientific and technical outcomes of the project, including best practices for FIV assessment and future research perspectives.

Over three days, the programme will include project overviews, technical sessions on FIV in fuel assemblies, steam generators, and multiphase flows, as well as exchanges with key stakeholders. Young researchers and early-career professionals are especially encouraged to participate.

 Pre-registration open.



Stay tuned to
Open Registration:




Pre-registration
OPEN:



WORKSHOPS & SCHOOLS: SMR

As part of Work Package 8, led by ENEN, the EASI-SMR project is planning 3 additional technical interactive workshops. These will cover SMR safety topics developed by the EASI-SMR project:

- Workshop 2: **NEA & EASI-SMR Workshop on Passive Systems Performance and Reliability,**

 30 March - 1 April, 2026 |  Paris, France

- Workshop 3: **Advanced core physics,**

 11-12 May 2027 |  Karlsruhe, Germany

- Workshop 4: **Human and organizational Factors**

 By end of 2027 |  Halden, Norway

EASI-SMR Summer School

 August 2027 |  INSTN Saclay, France

EASI-SMR Winter School

 February 2028 |  KIT Karlsruhe, Germany

EASI-SMR

Learn More:



CONFERENCE: NESTet 2026

The European Nuclear Education Network (ENEN), together with the European Nuclear Society (ENS), are excited to welcome you to **NESTet 2026** – Europe's key forum dedicated entirely to nuclear education, training, and knowledge management.

 2-4 March 2026 /  Brussels, Belgium

- ★ Abstract submissions are still open, and we strongly encourage you to share your work!
- 🔔 Registration opens in January

 Submit your abstract:



UPCOMING EVENTS

STAY TUNED

WORKSHOP: EU-UA Nuclear Research and Education Capacity Building



👉 NURECAB Workshop

📅 5 March 2026 | 📍 Brussels, Belgium

The workshop will seek to support the integration of Ukrainian students and researchers into European nuclear education and training frameworks. The project strengthens capacity, promotes collaboration, and helps build a resilient, skilled workforce for Ukraine's nuclear sector.

🕒 Applications will open soon - Stay tuned to ENEN's LinkedIn and website

SCHOOL: Nuclear Materials



❄️ 4th edition of The European School on Nuclear Materials 2026

📅 29 March - 4 April 2026 | 📍 Institut d'Etudes Scientifiques (IESC) in Cargèse, Corsica, France

The school will present the state of the art in nuclear materials science, covering multiscale modelling from advanced electronic structure theory to continuum modelling and sophisticated experimental characterization of materials phenomena in the nuclear materials science context.

🕒 Applications close on 11 January 2026

Learn more and apply:



SCHOOL: SMR Technologies



📅 11-15 May, 2026 | 📍 National University of Science and Technology POLITEHNICA Bucharest (NUSTPB)

ENEN2plus project continues to finance a lower pace group mobilities. An internal group mobility is represented at the school on SMR technologies that will take place developed together with the IAEA.

👉 Financing for attendees is provided.

Official announcement will be done in the nuclear education HUB - Stay tuned



🌟 Season's Greetings! 🌟

This year has been marked by meaningful progress, new partnerships, and shared achievements across the nuclear education community. We are grateful for your active participation and support throughout the year. Your commitment drives our mission forward.

Wishing you joyful celebrations and a new year filled with growth, learning, and success!

Warm wishes,

The ENEN Team



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