

# NESTet 2026

NUCLEAR EDUCATION AND TRAINING

**2-4 March 2026**

*Fondation Universitaire, Brussels, Belgium*

# PROGRAMME



EUROPEAN NUCLEAR SOCIETY

In collaboration with





# **Monday, 2 March 2026**

**13:00 – 15:00 Opening Plenary**

*Room Felicien Cattier*

## **Part 1: Skills for a Thriving European Nuclear Workforce**

This opening plenary sets the scene from a Euratom perspective. **Brian Eriksen, European Commission’s Joint Research Centre (JRC)** will present the latest projections on workforce demand and the evolving skills landscape, and will provide an overview of JRC programmes in this field. **Domenico Rossetti di Valdalbero, Directorate-General for Research and Innovation (DG RTD)** will then give insights into Euratom actions in education and training.

## **Part 2: Building Skills Through International and Industry Programmes**

An open dialogue on building skills through cooperation at multiple levels co-moderated by **Gabriel Pavel, ENEN (ENEN2plus)** and **Jan van der Lee (I2EN)**

With

- **Pedro Dieguez Porras, IAEA**
- **Tatiana Ivanova, OECD/NEA**
- **Jerry Hopwood, UNENE**

**15:00 – 15:30 Coffee Break**

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## **15:30 – 17:30 Parallel Sessions**

### **Session 1: Capacity building - skills, competences, qualifications I**

Chair: M. Goulart, Euratom – Joint Research Center

*Room: Felicien Cattier*

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Towards a European Nuclear Skills Strategy: insights from the Skills4Nuclear project, including

- Communication, engagement & attractiveness
- Workforce Assessment analysis

Luyten, J. and Johnson J., on behalf of (1)  
1- Skills4nuclear

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Meeting the nuclear industry skills challenge - Framatome Academy

Carbonnieres, O. (1); Maggio, C. (1)  
1 - Framatome, France

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Assuring Quality – the NI Academic, Company Endorsement & Training Provider Recognition Programmes

Hearing, C.(1); Gofton, R. (1)  
1 - The Nuclear Institute UK

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Bridging gaps in nuclear skills capacity building: the role of the NEA Nuclear Education, Skills and Technology (NEST) Framework in shaping the next generation of nuclear experts	Ivanova, T. (1) 1 - OECD Nuclear Energy Agency (OECD/NEA), France
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Building the future of nuclear education: the role of the NEA Global Forum for Nuclear Education in advancing nuclear education, science, technology, and policy	Ivanova, T. (1) 1 - OECD Nuclear Energy Agency (OECD/NEA), France
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## Session 2: AI for learning, teaching, and student assessment & Innovative pedagogical tools and methods

Chair: C. Demaziere, Chalmers University of Technology, Sweden

Room A

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AI-guided Onboarding and Expert Digital Twins for Nuclear Decommissioning	Kopinski, T. (1) 1 - University of Applied Sciences South Westphalia, Germany
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Artificial Intelligence as an intergenerational Bridge Between Nuclear Generations	Wastin, F. (1); Manna, G. (1) 1 - European Commission-Joint Research Centre, Petten, Netherlands
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Digital and AI-supported solutions for the safe and efficient decommissioning of nuclear facilities. The 'K.I.S.S.' research and development project.	Kettler, J. (1); Dyrna, J. (2); Köhler, T. (2); Richter, T. (2); Seher, H. (3); Mönig, H. (3); Dierschow, F. (3); Herb, J. (3); Dewald, M. (3); Spanier, R. (3); Britz, S. (3); Imielski, P. (3); Lambertus, C. (3); Modolo, G. (4); Niemeyer, I. (4); Aymanns, K. (4); Laumen, L. (4); Wilden, A. (4); Güner, B. (5); Pickert, A. (5); Hoerborn, G. (5); Malirsch, T. (5); Anthofer, A. (6); Koslowski, D. (6); Grauel, B. (6); Nester, A. (6); Göpel, C. (6); Hammoud, R. (6); Löwig, M. (6); Möllerke, F. (7); Wiesel, H. (7); Wippler, D. (1); Kiss, K. (1)
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1 - actimondo, Germany

2 - Technische Universität Dresden - Center for Open Digital Innovation and Participation, Germany

3 - Gesellschaft für Anlagen- und Reaktorsicherheit (GRS), Germany

4 - Forschungszentrum Jülich GmbH (Institute of Fusion Energy and Nuclear Waste Management (IFN)), Germany

5 - F.I.R. an der RWTH Aachen, Germany

6 - Dornier Hinneburg, Germany

7 - Advanced Nuclear Fuels, Germany

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Innovative knowledge transfer strategies for Generation Z in the nuclear industry	Moellerke, F. (1); Wiesel, H. (2) 1 - Advanced Nuclear Fuels GmbH, Germany 2 - Framatome GmbH, Germany
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Strengthening University- Nuclear Industry Collaboration in Ukraine: Towards a Joint E-Learning Platform	Pugach, S. (1); Novakivskiy, Y. (2); Klevtsov, S. (2) 1 - National Science Center Kharkiv Institute of Physics and Technology, Ukraine 2 - National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Ukraine
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Modernizing Energy Workforce Training: An Introduction to Active, Learner-Centric Learning Environments and an example of Implementing Virtual Reality in Nuclear Training	Feldman, H. (1) 1-EPRI, US
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## 17:30 – 18:30 Poster Session

### Posters

Attracting, developing, and retaining nuclear talents during the full scale invasion in Ukraine (case of the School of Physics and Technology at V.N. Karazin Kharkiv National University)	Kuznietsov, P. (1); Afanasieva, I. (1) 1 - V.N. Karazin Kharkiv National University, Ukraine
Knowledge Continuity in Nuclear Decommissioning: Leveraging Private AI for Intergenerational Knowledge Transfer	Wastin, F. (1) 1 - European Commission-Joint Research Centre, Petten, Netherlands
An experience of Taras Shevchenko National University of Kyiv in implementing the research-driven and practice-based studying approach in nuclear engineering	Kadenko, I. (1); Kharytonov, O. (1); Kutsenko, O. (1); Sakhno, N. (2) 1 - Taras Shevchenko National University of Kyiv, Ukraine 2 - International Nuclear Safety Center of Ukraine of Taras Shevchenko National University of Kyiv, Ukraine
Application of Machine Learning in Nuclear Education at Taras Shevchenko National University of Kyiv	Sakhno, N. (1); Yermolenko, R. (2); Gogota, O. (2); Kadenko, I. (2); Spivak, S. (2) 1 - International Nuclear Safety Center of Ukraine of Taras Shevchenko National University of Kyiv, Ukraine 2 - Taras Shevchenko National University of Kyiv, Ukraine
Leadership-Driven Technology Transfer and Innovation in the Nuclear Sector	Akyildiz, S. (1) 1 - Turkish Energy, Nuclear and Mining Research Agency, Turkey
Collective Intelligence for Research in Energy - an Open-Source Approach to drive Decision-making and Research with AI	Kopinski, T. (1) 1 - University of Applied Sciences South Westphalia, Germany
ENEN2plus the supporting nuclear community	Pavel, G. L. (1) 1 - European Nuclear Education Network, Belgium
Attracting the future nuclear workforce: outreach activities of the SCK CEN Academy	Luyten, J. (1); Belmans, N. (1); Clarijs, T. (1); Coeck, M. (1) 1 - Belgian Nuclear Research Centre (SCK CEN), Belgium
Education and training in a new nuclear R&D era in Belgium	Coeck, M. (1) 1 - SCK CEN, Belgium
Radiomon: Visualising atoms and radiations in a game environment	Nouchy, F. (1) 1 - Nukulélé, Belgium

## 18:30 Evening Reception

## **Tuesday, 3 March 2026**

### **Securing the workforce of tomorrow: Talent Attraction, Skills Recognition and Career Development – a Symposium**

Chair: *E. Langegger, European Nuclear Society*

*Room Felicien Cattier*

#### **9:00 – 10:30 Opening Session: Industry needs, Talent Availability and Training Pathways**

This session will:

- Explore realities of today's talent market with **David Drury**, Thomas Thor\*, an international recruitment specialist in the nuclear sector
- Provide a view from early career professionals, with **Carlos Vazquez-Rodriguez** (ENS Young Generation)
- Conclude with a **panel discussion** featuring industry and HR leaders:
  - **Camilla Fiedler-Blackhammar**, Vattenfall Generation\*, Sweden
  - **Tobias Unfried**, NUKEM Technologies\*, Germany
  - **Juha Poikola**, TVO\*, Finland
  - **Cecile Maggio**, Framatome\*, France

#### **10:00 – 10:30 Coffee Break**

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#### **10:30 – 12:00 Attracting & Developing the Nuclear Workforce**

- The Nuclear Academy - Developing Skills for Energy Innovation and Medical Leadership: **Robert Beekveldt, NRG\* / Nuclear Academy, Netherlands**
- Strengthening France's Nuclear Workforce Ecosystem:
  - Attracting the Workforce Needed for Nuclear's Future: **Soazig Drevillon, UMN, France**
- Developing Nuclear Talent for a Skilled and Sustainable Workforce: **Andrew McIvor, NSAN, UK**

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\* ENS Corporate Members

- Building Competence for Poland's Nuclear Future - Insights into Education and Training: **Pawel Gajda, Director of the Nuclear Energy Department, Ministry of Energy, Poland**

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## 12:00 – 13:00 Lunch Break

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## 13:00 – 14:30 Nuclearisation & Certification: Keys to Access and Mobility

- Standardising certification in international nuclear education: **Jan van der Lee, I2EN, France**
- The Nuclear Professionalism Standard - A Common Benchmark for Competence, Responsibility, and CPD: **Cynthia Hearing/ Robert Gofton, the Nuclear Institute\*, UK**
- NewGen: a corporate high-level education journey into the nuclear field: **Marco Ricotti\*\*, PoliMi, Italy**
- Skills for the nuclear sector: a view from the supply chain: **Barbara Wilson, Bilfinger, UK**

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## 14:30 – 15:00 Coffee Break

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## 15:00 – 16:30 Parallel Sessions

### Session 1: From Training Offers to Skills Ecosystems

*Room Felicien Cattier*

Connecting Thematic, Regional and European Communities of Practice for Nuclear VET, CPD and Workforce Sustainability - *JRC Special Session*

This JRC-led session explores how **Communities of Practice** can strengthen a coherent nuclear skills ecosystem, with **particular focus on Vocational Education and Training (VET) and Continuing Professional Development (CPD)**. Building on **lessons learned** from existing or emerging **anchor initiatives**—including **ELINDER**, regional skills communities, and the pan-European VET and CPD Community of Practice NUCLEATION—the **session examines complementarities and added value across levels**, as well as **national and industry reference experiences**. The session aims to **identify priority skills areas** and explore **pathways toward concrete commitments** and **pilot actions**.

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\* *ENS Member Society*

\*\**Member of the ENS High Scientific Council*

## **Session 2: CrossYGN Workshop – Evolving Skills and Learning Tools for a Changing Nuclear Workforce**

*Room A*

This workshop will bring the perspective of the **Cross-YGN initiative** (ENS Young Generation Network, Fusenet Student Council, International Radiation Protection-YGN, EFOMP Early Careers Group) to NESTet 2026 by exploring **how nuclear education, training, and early-career development have evolved over the past decade** – and what these changes mean for the future workforce.

This workshop offers distinct added value through interactive discussion and practical case-based exercises: **a first-hand insight into how young professionals from multiple nuclear fields** (engineering, medical physics, fusion, radiation protection) **experience today's learning ecosystems**, what has changed compared to “previous generations,” and how the sector can adapt to remain attractive and effective.

# **Wednesday, 4 March 2026**

## **9:00 – 10:40 Parallel Sessions**

### **Session 1: Capacity building – skills, competences, qualifications**

Chair: R. Cirillo, European Commission JRC, Belgium

*Room Felicien Cattier*

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Circular Competences: Treating the European Energy Workforce as a Renewable Resource	Wastin, F. (1); Eriksen, B. (1); Tanarro Colodron, J. (1) 1 - European Commission-Joint Research Centre, Petten, Netherlands
Competence building in the European Partnership on Radioactive Waste Management (EURAD-2)	Belmans, N. (1); Coeck, M. (1); Llorente, C. (2); Manzano, J. (2); O'Neill, N. (3) 1 - Belgian Nuclear Research Centre SCK CEN, Belgium 2 - Centre for Energy, Environmental and Technological Research CIEMAT, Spain 3 - Amphos21, Spain
Empowering the Next Generation: Building Sustainable Networks for Early Career Professionals in Radiation Protection	Degenhardt, Ä. L. (1); Kunert, P. (1); Herzner, V. (2); Gill, S. (3); Love, N. (4); Abuhamed, J. (5); Stendardo, G. (6); Sennhenn, K. L. (7); John, W. A. (1); Subedi, P. (1) 1 - Federal Office for Radiation Protection BfS, Germany 2 - Department for Technical Radiation Protection , Austrian Agency for Health and Food Safety, Austria 3 - Leibniz Institute for Prevention Research and Epidemiology - BIPS, Germany 4 - Research Group Environmental Economics, Centre of Environmental Sciences, Hasselt University, Belgium 5 - Health Sciences Unit, Tampere University, Finland 6 - National Center for Innovative Technologies in Public Health, Italian National Institute of Health, Italy 7 - GSI Helmholtzzentrum für Schwerionenforschung GmbH, Germany
NUCLEATION- The Community of Practice on Vocational Training in Nuclear Domains	Schoenfelder, C. (1); 1 - Schoenfelder Training, Germany

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### **Session 2: Best practices in nuclear education and training**

Chair: S. Cerba, Slovak University of Technology, Slovakia

*Room A*

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SAP, the European Severe Accident Phenomenology short course: a 20-years success story	Piluso, P. (1); Herranz, L. E. (2); Paci, S. (3); Kljenak, I. (4) 1 - CEA, France 2 - CIEMAT, Spain 3 - Pisa University, Italy 4 - JSI, Slovenia
The European Master of Science in Nuclear Engineering: 20 years of an ENEN certification for mutual recognition of academic curricula in Nuclear Engineering	Ambrosini, W. (1); Tiselj, I. (2); Pavel, G. (3); Elorza Tenreiro, F. J. (4) 1 - Università di Pisa, Dipartimento di Ingegneria Civile e Industriale, Italy

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	<p>2 - Reactor Engineering Division, Jožef Stefan Institute, Slovenia</p> <p>3 - European Nuclear Education Network, Belgium</p> <p>4 - Escuela Técnica Superior de Ingenieros de Minas y Energía, Universidad Politécnica de Madrid, Spain</p>
ENEPP experience in education and training	<p>Lüley, J. (1); Radulović, V. (1); Snoj, L. (2); Matoušková, J. (3); Salvini, A. (4); Vrban, B. (5)</p> <p>1 - European Nuclear Experimental Educational Platform, Slovakia</p> <p>2 - Jožef Stefan Institute, Slovenia</p> <p>3 - Czech Technical University in Prague, Czech republic</p> <p>4 - University of Pavia, Italy</p> <p>5 - Slovak University of Technology in Bratislava, Slovakia</p>
Promoting Nuclear Safety Culture Training through Digital Education and Lifelong Learning	<p>Alonso Ramos, M. (1); Sánchez-Elvira Paniagua, Á. (1); Schoenfelder, C. (2); Wouters, P. (3); Mure, J.-M. (3); Volpert, A. (3); Zaslona, K. (4); Jaspers, R. J. E. (5); Feliz Murias, T. (1); Castro, M. (1)</p> <p>1 - Universidad Nacional de Educación a Distancia (UNED), Spain</p> <p>2 - Schoenfelder Training, Germany</p> <p>3 - Fusion for Energy, Spain</p> <p>4 - Amentum Clean Energy France, France</p> <p>5 - Eindhoven University of Technology, Netherlands</p>
FuseNet: Promoting and coordinating fusion education in Europe	<p>Cruz, D. (1); Köhn-Seemann, A. (2)</p> <p>1 - FuseNet, Netherlands</p> <p>2 - Stuttgart University, Germany</p>

## 10:40 – 11:00 Coffee Break

## 11:00 – 12:20 Parallel Sessions

### Session 1: Success stories in attracting, developing, and retaining talent

Chair: M. Coeck, SCK-CEN, Belgium

*Room Felicien Cattier*

The Role of Civil Society Organizations in Supporting Youth and Professionals: A Case Study of the Ukrainian Nuclear Society's Contribution to Talent Development and Retention in the Nuclear Sector	<p>Lylak, K. (1); Lavrenov, D. (1)</p> <p>1 - Ukrainian Nuclear Society, Ukraine</p>
How to Achieve Sustainable Nuclear Education and Training – Examples of Success Stories from Chalmers University of Technology's Ecosystem	<p>Demazière, C. (1)</p> <p>1 - Chalmers University of Technology, Sweden</p>

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Career Events for Connecting Nuclear Engineering Students with Industry and Research	Magliocchi, A. (1); Colabufo, A. (1); Giusti, V. (2); Ambrosini, W. (2) 1 - Università di Pisa, Career Service, Italy 2 - Università di Pisa, Dipartimento di Ingegneria Civile e Industriale, Italy
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## **Session 2: Evolving workforce needs, Leadership Development & Continuing Professional Development Frameworks**

Chair: W. Ambrosini, University of Pisa, Italy

Room A

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Competence Development for Project Engineers to serve as Program and Project Leaders in the Nuclear Industry	Altfeld, H.-H. (1) 1 - Novo Artifact Consulting, France
Launch of the Management in Nuclear masters program at STU	Čerba, Š. (1); Šagátová, A. (1); Hajduová, Z. (2); Štetka, P. (2); Vrban, B. (1) 1 - Slovak University of Technology in Bratislava, Slovakia 2 - Bratislava University of Economy and Business, Slovakia
Introducing a Company-specific Competence Certification Scheme for Companies of the Nuclear Industry	Altfeld, H.-H. (1) 1 - Novo Artifact Consulting, France
THE NURECAB SURVEY: THE MISMATCH BETWEEN NUCLEAR EDUCATION AND SECTORAL NEEDS IN UKRAINE	Zhurenko, V. (1); Pugach, S. (1); Kadenko, I. (2); Sakhno, N. (2); Kravchenko, V. (3); Klevtsov, S. (4); Kuznietsov, P. (5); Lavrenov, D. (6); Piliuhina, K. (7) 1 - National Science Center Kharkiv Institute of Physics and Technology, Ukraine 2 - Taras Shevchenko National University of Kyiv, Ukraine 3 - Odesa Polytechnic National University, Ukraine 4 - National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Ukraine 5 - V. N. Karazin Kharkiv National University, Ukraine 6 - Ukrainian Nuclear Society, Ukraine 7 - European Nuclear Education Network, Ukraine

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# NESTet 2026

NUCLEAR **EDUCATION AND TRAINING**

NESTet is an ENS Conference



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In collaboration with

