NEsTet 2026

NUCLEAR **EDUCATION** AND **TRAINING**

2-4 March 2026

Fondation Universitaire, Brussels, Belgium

PROGRAMME

EUROPEAN NUCLEAR SOCIETY

In collaboration with

enen

Preliminary Programme: presentations might still be moved in-between sessions

Monday, 2 March 2026

13:00 – 15:00 Opening Plenary

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

15:30 – 17:30 Parallel Sessions

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

Chair: M. Goulard, Euratom – Joint Research Center

Skills4Nuclear – a collaborative framework to address skills and workforce shortages	N.N. 1- Skills4nuclear
Meeting the nuclear industry skills challenge - Framatome Academy	Carbonnieres, C. (1); Maggio, C. (1) 1 - Framatome, France
Assuring Quality – the NI Academic, Company Endorsement & Training Provider Recognition Programmes	Hearing, C.(1); Gofton, R. (1) 1 – The Nuclear Institute UK
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

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

Session 2: AI for learning, teaching, and student assessment & Innovative pedagogical tools and methods

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

AI-guided Onboarding and Expert Digital Twins for Nuclear Decommissioning	Kopinski, T. (1) 1 - University of Applied Sciences South Westphalia, Germany
Artificial Intelligence as an intergenerational Bridge Between Nuclear Generations	Wastin, F. (1); Manna, G. (1) 1 - European Commission-Joint Research Centre, Petten, Netherlands
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) 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
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
Strengthening University– Nuclear Industry Collaboration in Ukraine: Towards a Joint E-Learning Platform	Pugach, S. (1); Novakivskyi, 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
Using Experimental Flocculation Research as a Practical Training Method for Developing Competence in Nuclear Wastewater Treatment.	Ojur, J. (1) 1 - IAEA MSCP , Austria

17:30 – 18:30 Poster Session

18:30 Evening Reception

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Tuesday, 3 March 2026

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

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 **(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

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

- The Nuclear Academy - Developing Skills for Energy Innovation and Medical Leadership: **Robert Beekveldt, Nuclear Academy, Netherlands**
- 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**
- Building Competence for Poland's Nuclear Future - Insights into Education and Training: **Pawel Gajda, Director of the Nuclear Energy Department, Ministry of Energy, Poland**

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: **Michele Frignani, Ansaldo, Italy**
- Skills for the nuclear sector: a view from the supply chain: **N.N., Bilfinger** (tbc)

14:30 – 15:00 Coffee Break

15:00 – 16:30 Parallel Sessions

Session 1: From Training Offers to Skills Ecosystems

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**.

Session 2: CrossYGN Workshop - Evolving Skills and Learning Tools for a Changing Nuclear Workforce

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**: a first-hand, evidence-based 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.

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Wednesday, 4 March 2026

9:00 – 10:40 Parallel Sessions

Session 1: Capacity building - skills, competences, qualifications

Chair: X. Perrette, INSTN, France

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
Training on the Principles of Nuclear Plant Operations Using the GPWR Simulator for Workforce Development	Aliperio, M. G. (1); Lim, J. W. (1); Kishimoto, R. (1) 1 - Department of Science and Technology - Philippine Nuclear Research Institute, Philippines
Safeguards Awareness for Engineers: Integrating Non-Proliferation into Technical Training	Van Geluwe, O. (1) 1 - IYNC - Leaders 4 Nuclear, France

Session 2: Best practices in nuclear education and training

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

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 2 - Reactor Engineering Division, Jožef Stefan Institute, Slovenia 3 - European Nuclear Education Network, Belgium 4 - Escuela Técnica Superior de Ingenieros de Minas y Energía, Universidad Politécnica de Madrid, Spain
ENEEP experience in education and training	Lüley, J. (1); Radulović, V. (1); Snoj, L. (2); Matoušková, J. (3); Salvini, A. (4); Vrban, B. (5) 1 - European Nuclear Experimental Educational Platform, Slovakia 2 - Jožef Stefan Institute, Slovenia 3 - Czech Technical University in Prague, Czech republic 4 - University of Pavia, Italy 5 - Slovak University of Technology in Bratislava, Slovakia
Promoting Nuclear Safety Culture Training through Digital Education and Lifelong Learning	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) 1 - Universidad Nacional de Educación a Distancia (UNED), Spain 2 - Schoenfelder Training, Germany 3 - Fusion for Energy, Spain 4 - Amentum Clean Energy France, France 5 - Eindhoven University of Technology, Netherlands
FuseNet: Promoting and coordinating fusion education in Europe	Cruz, D. (1); Köhn-Seemann, A. (2) 1 - FuseNet, Netherlands 2 - Stuttgart University, Germany

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

How to Achieve Sustainable Nuclear Education and Training – Examples of Success Stories from Chalmers University of Technology's Ecosystem	Demazière, C. (1) 1 - Chalmers University of Technology, Sweden
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
Nuclear Work force Capacity Building on Canadian Praries- Challenges and Opportunities	Rangacharyulu, C. (1) 1 - Department of Physics and Engineering Physics, University of Saskatchewan, Canada
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	Lylak, K. (1); Lavrenov, D. (1) 1 - Ukrainian Nuclear Society, Ukraine

Session 2: Evolving workforce needs, Leadership Development & Continuing Professional Development Frameworks

Chair: W. Ambrosini, University of Pisa, Italy

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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Poster

Youth in Nuclear: Attraction, Retention, and Leadership Pathways	Van Geluwe, O. (1) 1 - Vinci Energies Belgium, Belgium
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
Youth-Led Nuclear Energy Research: A Bangladeshi High School Student's Journey from Classroom to International Publication	Mahdi, M. (1) 1 - Open Science Research Initiative | Bangladesh, Bangladesh
Teacher-Based Capacity Building for the National Nuclear Workforce: An Innovative Nuclear STEM Education Program in Turkiye	Bulut , S. (1); Akdur, T. E. (1); Kurt , E. (1) 1 - https://www.tenmak.gov.tr/ , Turkey
Two EU projects carried out at the Police Academy in Prague, addressing some current problems in ensuring adequate protectioon against CBRN agents	Sabol, J. (1); Dlouhy, D. (1) 1 - Police Academy of the Czech Republic in Prague, Czech Republic
Leadership-Driven Technology Transfer and Innovation in the Nuclear Sector	Akyildiz, S. (1) 1 - Turkish Energy, Nuclear and Mining Research Agency , Turkey
Integrating Multi-Technical Competences into Nuclear Analytical Training: A Case Study on Gamma and Neutron Activation Specialization	Badague, A. (1); Bounouira, H. (2); Amsil, H. (2); Aarab, I. (2); Chakir, E. (1) 1 - ibn Tofail univesity, Morocco 2 - CNESTEN, Morocco
The story of UAE Nuclear program: from the oilfield to the nuclear power	Altamimi, H. (1) 1 - FANR, United Arab Emirates
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)

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	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

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