



Project Number 101213280

Deliverable D5.2

**Submitted Proposal for Campus of Vocational and
Scientific Excellence in
Nuclear Skills
Lead Beneficiary: UNICAEN**

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Authors:	Valentin MIGNON		
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For the Lead Beneficiary	Reviewed by WP Leader	Approved by Coordinator	
Hélène Bouraïma-Lelong	Hélène Bouraïma-Lelong	Teodora Vollmer	

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Version control table

Version no.	Date of issue	Author(s)	Brief description of changes made
0.1	03/09/2026	Valentin MIGNON	1st draft
1.0	03/09/2026	Teodora Vollmer, M. Velckova	Review by the coordinator and MST



Project information

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Type of action:	EURATOM Coordination and Support Actions
Project Coordinator Organization:	CHALMERS
Coordinator:	Teodora Vollmer
EC Project Officer:	Katerina Ptackova
Start date – End date:	15/03/2025 – 14/03/2028
Coordinator contact:	tretegan@chalmers.se
Administrative contact:	jakub.heller@evalion.cz
Website:	https://www.skills4nuclear.eu/

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EXECUTIVE SUMMARY

This document constitutes proof of submission, by Université de Caen Normandie (UNICAEN), of the Center of Vocational Excellence (CoVE) project proposal “NucleUs – Building Europe’s Nuclear Skills Ecosystem for Nuclear Vocational Education and Training”, submitted under the ERASMUS-EDU-2026-PEX-COVE call of the 2026 Erasmus+ work programme.

The proposal builds on the project’s Policy Learning Activities and desk research (S4N, D5.1) to design a Campus of Vocational and Scientific Excellence in nuclear skills. Following the French model established by the 3NC project to build regional nuclear skills ecosystems mobilising industry, research and education actors, public authorities, employment services and civil society, the NucleUs proposal identifies one regional nuclear skills hub in each 5 participating countries (BE, FR, IT, PO and RO) gathering 20 full and 5 associated partners in total. In order to answer the urgent need to strengthen the VET ecosystem and address the shortage of qualified technicians across the nuclear lifecycle and non-power applications. NucleUs will tackle skills gaps at EQF levels 3–5 by improving the recognition, portability and transferability of nuclear and transferable skills. Over 48 months, the 25 partners will establish a transnational network connecting VET, higher education, research, industry, public authorities and employment actors. By making competences more relevant, transparent and portable, NucleUs will strengthen VET, improve recruitment and reskilling, and provide a transferable European model for industrial resilience, inclusion, competitiveness and the clean-energy transition.



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1 ABSTRACT

While the engineering and doctoral provision of nuclear skills in Europe remains fairly robust, it is urgent to build the ecosystem on the VET side. NucleUs intends to address Europe's shortage of qualified technicians across the civil nuclear lifecycle, from construction and operation to decommissioning and emerging technologies, while also encompassing non-power nuclear applications. The gap is particularly acute at EQF levels 3–5 – training remains fragmented, company-based nuclear competences are not easily recognised between MS and transferable skills from adjacent industries are underused. Over 48 months, 20 full and 5 associated partners will build a transnational network anchored in Belgium, France, Italy, Poland and Romania, connecting in particular VET, higher education, research, industry, authorities and employment actors. It targets EQF 3–5 learners and workers, teachers and trainers, especially women, young people, career changers and people in industrial-transition territories. Using an evidence-to-uptake approach, the project will map workforce needs, design employer-validated learning outcomes and Nuclear Skills Portfolios, and “nuclearise” pathways in welding, maintenance, construction, automation and quality assurance. It will develop practical, work-based, digital and immersive resources; pilot two VET pathways with around 40 learners; and test at least eight stackable micro-credential packages with at least 150 learners and workers. Trainer development, mobility, industry challenges, mentoring, outreach and skills competitions will strengthen teaching, cooperation and career attractiveness. 5 regional Nuclear LABs and an open digital platform will support uptake, replication and sustainability. By making competences more relevant, transparent and portable, NucleUs will strengthen VET, improve recruitment and reskilling, and provide a transferable European model for industrial resilience, inclusion, competitiveness and the clean-energy transition.



2 GENERAL INFORMATION

Project number: 101365406

Project name: Nuclear Skills for Europe

Project acronym: NuCLEUs – Building Europe's Nuclear Skills Ecosystem for Nuclear Vocational Education and Training

Call and topic: ERASMUS-EDU-2026-PEX-COVE

Type of action and programme: ERASMUS-LS – ERASMUS+

Project duration: 48 months

List of partners:

- COO – Université de Caen Normandie (UNICAEN) – FR
- BEN – European Control Services (ECS) – BE
- BEN – Institut de formation professionnelle en région Académique (IFPRA) – FR
- BEN – ITS per Energia Ambiente ed Edilizia Sostenibile (ITS GREEN ACADEMY) – IT
- BEN – Śląskie Techniczne Zakłady Naukowe w Katowicach (STZN) – PL
- BEN – Liceul Tehnologic "Axiopolis" Cernavoda (LTA) – RO
- BEN – Electricité de France (EDF) – FR
- BEN – Belgian Nuclear Forum (BNF) – BE
- BEN – Brembilla & Rolle (B&R) – IT
- BEN – Izba Gospodarcza Energetyki i Ochrony Środowiska (IGEOS) – PL
- BEN – Societatea Națională Nuclearelectrică SA (SNN) – RO
- BEN – France Universités (FU) – FR
- BEN – Politecnico di Milano (POLIMI) – IT
- BEN – Silesian University of Technology (STZN) – PL
- BEN – Studiecentrum voor Kernenergie/Centre d'Etude de l'Energie Nucléaire (SCK CEN) – BE
- BEN – Narodowe Centrum Badan Jądrowych (NCBJ) – PL
- BEN – European Nuclear Education Network A.i.s.b.l. (ENEN) – BE/€
- BEN – European Nuclear Society ASBL (ENS) – BE/€
- BEN – Université des Métiers du Nucléaire (EMN) – FR
- BEN – France Travail Auvergne-Rhône-Alpes (FT ARA) – FR
- AP – Région Normandie (REGION NORMANDIE) – FR



- AP – Campus des Métiers et des Qualifications d'Excellence International Normand des Énergies (CMQ CEINE) – FR
- AP – Institut National des Sciences et Techniques Nucléaires (INSTN – CEA) – FR
- AP – Polskie Elektrownie Jądrowe (PEJ) – PL
- AP – Joint Research Center (JRC) – European Commission



3 PROOF OF SUBMISSION

Europa / Funding & Tenders Portal notification

Dear Proposal Participant,

The following proposal has been submitted to the Funding & Tenders Portal Submission System:

Submitted by : Valentin Mignon (valentin.mignon@unicaen.fr)
Proposal acronym : NucleUs
Proposal ID : 101365406 (internal reference number: SEP-211346696)
Call : ERASMUS-EDU-2026-PEX-COVE
Type of action : ERASMUS-LS
Topic : ERASMUS-EDU-2026-PEX-COVE
Call closure : 2026-09-03 17:00:00
Date of submission : 2026-09-03 16:35:30

You may return to this proposal via the My Proposals tab (<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/myarea/proposals>) in the Funding & Tenders Portal.

Please also note that you may reedit and resubmit your proposal before the deadline. In this case only the latest submitted version will be used during evaluation.

For your reference we included below information on the attachments uploaded to the submission system:

NUCLEUS_PART_B.pdf (3679505 bytes, uploaded on 2026-09-03 15:43:36)
Annex_1_NucleUs_Detailed_Budget_Table.xlsx (1176947 bytes, uploaded on 2026-09-03 15:44:28)
Annex_2_NucleUs_Info_on_Partnerships_and_Activities.xlsx (62583 bytes, uploaded on 2026-09-02 12:34:24)
part_c.pdf (53370 bytes, uploaded on 2026-09-03 16:35:34)