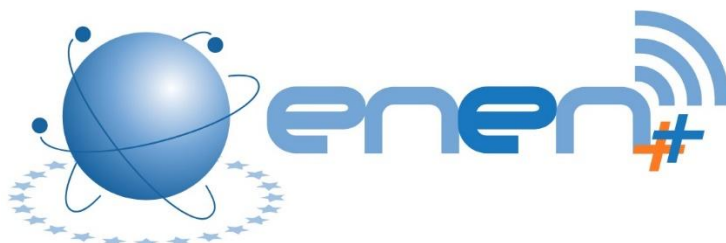




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(Project Number: 101061677)

DELIVERABLE D2.1

Report on the development and functioning of the HUB

Lead Beneficiary: ENEN

Due date: 31/05/2026

Released on: 19/05/2026

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Dissemination Level		
PU	Public	X
RE	Restricted	
SEN	Sensitive	

Version control table

Version number	Date of issue	Author(s)	Brief description of changes made

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Executive summary

Within the framework of the EURATOM-funded ENEN2plus project, a dedicated public website (<https://nuclear-education.eu/>) has been developed as a single-entry hub providing comprehensive information on education, training, and career opportunities across the nuclear sector. Under Task 2.1, a structured database was designed and implemented to promote existing Education and Training (E&T) programmes offered by the nuclear education community. The coordinators of this task were ENEN, SCK CEN, ENS, EFOMP, CVUT, and other stakeholders.

This report presents the development, delivery and current functioning of the ENEN2plus Education and Training (E&T) HUB, the centralised online platform established under the ENEN2plus project, funded through the Euratom Research and Training Programme under Grant Agreement No. 101061677.

The platform, publicly accessible at <https://nuclear-education.eu>, serves as the single point of reference for nuclear education and training opportunities, vocational education and training (VET), career opportunities, educational materials, training providers and associated organisations across Europe. It operationalises the project requirement to establish a single hub providing structured access to educational, training and job opportunities in the nuclear field, together with a centralised view of vocational training programmes developed during the project.

The HUB was developed on the basis of the technical and functional specifications defined in the Request for Quotation (RFQ) issued by ENEN. These specifications translated the relevant Grant Agreement commitments into detailed implementation requirements covering front-end functionality, content architecture, user roles, hosting, security, GDPR compliance, maintenance and the structured data fields applicable to the platform's core content categories.

Following the initial delivery, ENEN and the development partner, Studio Seven Solutions SRL, signed an Addendum on 26 November 2025 covering a focused set of improvements and refinements derived from operational experience and stakeholder feedback. These updates have been integrated into the live platform and further strengthened usability, consistency and editorial control without altering the platform's core objectives.

This report demonstrates that the ENEN2plus E&T HUB is fully operational and aligned with the project's contractual and functional requirements. It also confirms that the platform continues to support the wider objectives of the project by facilitating dissemination, visibility, accessibility and long-term use of nuclear education and training information in Europe.

The platform targets a wide audience, including secondary school students, BSc/MSc/PhD students, researchers and nuclear professionals. Importantly, the Hub is designed as a long-term resource for the nuclear community and will remain available beyond the duration of the ENEN2plus project.

The functionality of the hub can be interactively accessed here: ["Nuclear Education HUB - The Complete Guide"](#). This link provides a detailed graphical guide of the platform.

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1. Project Context and Objectives

1.1 The ENEN2plus project

ENEN2plus - *Building European Nuclear Competence through Continuous Advanced and Structured Education and Training Actions* - is funded by the European Union under the Euratom Research and Training Programme, with ENEN aisbl acting as project coordinator.

The project addresses the strategic need to preserve, reinforce and further develop nuclear competences in Europe through coordinated education and training actions, mobility schemes, vocational training activities and structured cooperation among universities, research centres, training organisations and industry actors. The HUB will target students (secondary schools/BSc/MSc/PhD level) as well as nuclear professionals and teachers, with the aim of attracting new talent, enhancing competencies, and supporting lifelong learning across the nuclear sector. Within this framework, the Grant Agreement foresees the establishment of a single hub providing information on available educational, training and job opportunities in the nuclear field, while also serving as a central platform for vocational training activities developed during the project. The ENEN2plus E&T HUB constitutes the operational implementation of this commitment.

1.2 Scope of the platform

The HUB was specified as the principal information platform for the following categories of content:

- Education and Training (E&T) activities and courses, including inputs from project work packages and registered content providers;
- Vocational Education and Training (VET) activities and courses, including content generated under the project and additional sectoral contributions;
- Career opportunities, including internships, thesis opportunities, research positions, on-the-job training and employment opportunities;
- Educational materials, including open-access references and links to commercially available resources;
- Organisations, including universities, research centres, training providers and other institutions active in nuclear E&T.
- The platform was designed around three principal user groups:
 - End-users, who may browse, search and consult the public database without authentication, with optional registration for additional personal functionality;
 - Content-providing organisations, which have authenticated access to create and manage their own entries;
 - Administrators, who exercise full moderation, configuration and user-management rights.

It is intended for the platform to include information on facilities made available for training purposes, in coordination with relevant complementary initiatives such as OFFERR – this is not yet integrated in the HUB;

These roles have been implemented in the live platform in line with the original specifications.

1.3 Governance, ownership and maintenance

Under the contractual framework governing the development of the HUB, ENEN is the owner and principal administrator of the live platform. Studio Seven Solutions SRL provides hosting and maintenance services for the duration of the project and for one additional year thereafter, in accordance with the applicable contractual provisions.

Administrative rights have been granted to ENEN, enabling its authorised staff to manage users, publish and moderate content, and perform minor structural or editorial updates. Ownership and copyright of the delivered website have been transferred to ENEN, while the development partner continues to provide technical support, hosting and maintenance on ENEN's behalf.

This governance model ensures that strategic control and editorial responsibility remain with ENEN, while technical continuity and platform stability are secured through the maintenance arrangement.

2. Alignment with Grant Agreement Requirements

The platform specifications set out in the [Request for Quotation \(RFQ\)](#) – see Annex 1 – translate the relevant obligations of the Grant Agreement into concrete technical and operational requirements. The implementation status of the principal requirements is summarised below.

2.1 Requirement-to-Implementation Overview

Requirement: Single hub for E&T, VET and job opportunities.

Implementation: Implemented through the public platform at <https://nuclear-education.eu>, structured around the core categories defined in the project specifications.

Requirement: Front-end with thematic overview and detail pages.

Implementation: Dedicated public pages exist for Educational Opportunities, Career Opportunities, Educational Materials, Organisations and Facilities, each supported by structured detail pages exposing the relevant data fields.

Requirement: Search and filtering functions per content category.

Implementation: Multi-criteria search and filtering are implemented across content types, including keyword search, category filters, organisation filters, project filters, target-audience filters, domain filters and sorting controls.

Requirement: Back-end for content providers with login, user profile and content management

Implementation: Role-based access is available for authenticated organisations and administrators, including login, password recovery, self-service profile management, content creation and editorial workflows.

Requirement: Connections with complementary information sources.

Implementation: The architecture supports integration with complementary databases and includes a dedicated area for crawled courses imported from external sources. A dedicated structured page was introduced for externally sourced crawled courses. This addition expanded the scope of discoverable content while preserving the centralised user experience of the HUB. The password-protected administrative area is accessible only to authorised users with elevated privileges. This restricted section contains the full catalogue of courses identified in Deliverable D4.1, under the task T4.1. These courses are currently marked as private and will be formally assigned to their respective institutional owners upon completion of registration on the ENEN Hub. At the time of drafting, some courses have not yet been linked to their institutional owners.

Requirement: GDPR compliance, security, hosting and backup.

Implementation: Privacy notices, disclaimer texts, managed hosting, periodic backups and security-aligned authentication features are in place.

Requirement: Responsive design.

Implementation: The interface adapts to desktop, tablet and smartphone resolutions.

Requirement: Capacity and support for multimedia content.

Implementation: Hosting is dimensioned for concurrent use and supports embedded media without affecting core functionality.

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Requirement: Compliance with European Commission visual identity guidance.

Implementation: EU acknowledgements, disclaimers and project identifiers are integrated across public pages in line with project communication obligations.

Requirement: Maintenance for the project duration plus one additional year.

Implementation: Maintenance and support arrangements remain active in accordance with the contractual framework.

Overall, the live HUB demonstrates substantive compliance with the functional and operational requirements derived from the Grant Agreement and the corresponding procurement documentation.

3. Platform Architecture and Technical Foundations

3.1 Technical stack and content management

The ENEN2plus E&T HUB is built on a content management architecture supporting:

- custom content types;
- structured taxonomies;
- differentiated user roles;
- role-based editorial workflows;
- responsive front-end rendering;
- and controlled access to back-office functions.

The public front-end is accessible without authentication, while the back-office is reserved for authenticated organisations and administrators. The editorial tools exposed in the back-office include content creation, editing, duplication, archiving and deletion, as well as profile management and organisation-specific filtering.

The working language of the platform is English. The content-editing environment supports the use of special characters and formatting conventions required for educational and technical information.

3.2 Hosting, security and backups

The platform is hosted on managed infrastructure sized to support project needs, including concurrent access by multiple users and the embedding of media content. The maintenance framework includes periodic technical updates, framework and component upgrades, and general measures intended to preserve performance, stability and security.

Authentication is protected by a password policy aligned with current good practice, and a password-recovery mechanism is available through the login interface. The site is subject to periodic backups covering the relevant platform components, thereby supporting restoration and operational continuity in the event of technical incident.

3.3 GDPR compliance and disclaimers

The platform incorporates GDPR-related information and disclaimer statements in line with the requirements defined by ENEN and reflected in the RFQ. Privacy notices are made available on organisation pages, contact forms and relevant membership-application forms. These notices describe the basis for personal-data processing and inform users of their rights.

The ENEN2plus disclaimer is also accessible throughout the platform and clarifies that the views and opinions expressed are those of the authors and do not necessarily reflect those of the European Union or the European Commission, which cannot be held responsible for them.

For external links directing users to third-party websites, course-registration portals or organisational pages, the platform also reflects the project-level disclaimer concerning accuracy, copyright and the absence of implied endorsement.

3.4 User roles

- End-user

End-users may browse the public platform, search all content categories, consult detail pages, view educational materials and access external links. Optional registration is available for additional functionality, including interaction tracking and related user-level features.

- Content-providing organisation

Authenticated organisations may create, update, save, publish, archive and delete their own content entries, including courses, career opportunities and educational materials. They may also update their organisation profile and receive system notifications linked to their content.

- Administrator

Administrators hold full access rights to platform content and user management. They may create or revoke organisation accounts, moderate submissions, manage taxonomies and structural components, and perform high-level configuration and maintenance-related actions within the system.

3.5 Back-end dashboard for content providers

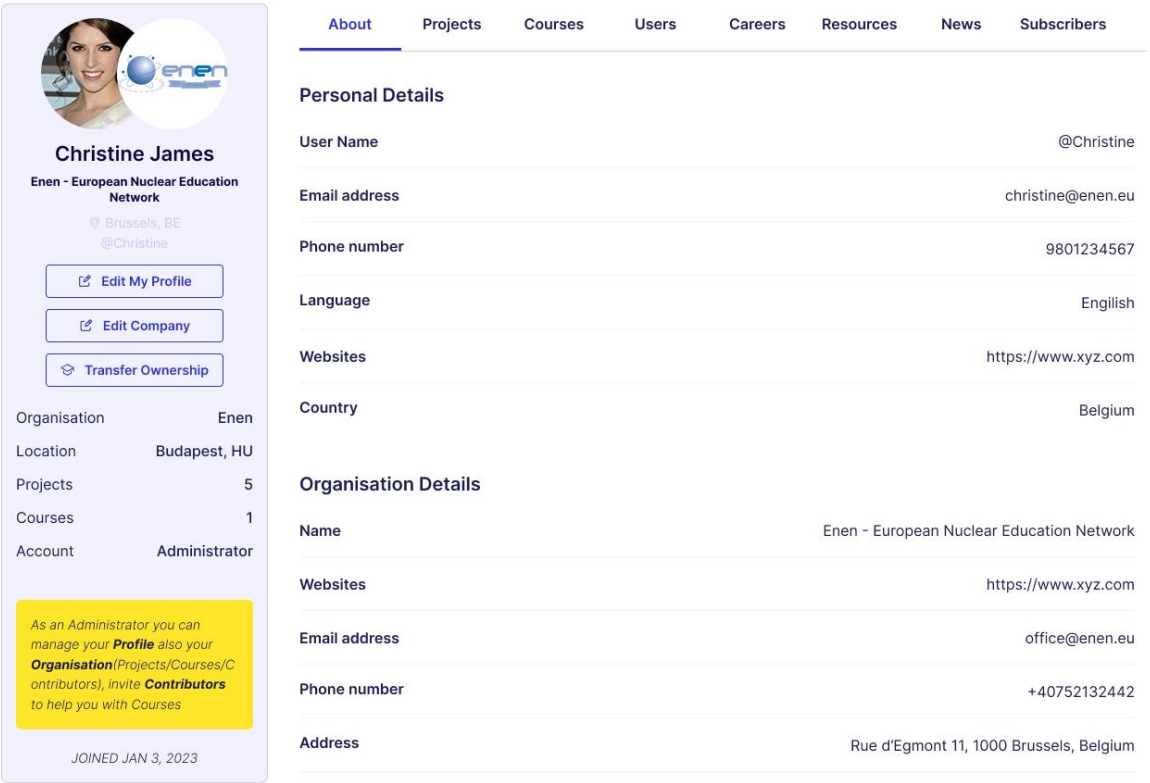


Figure 1: Back-end view – “About my organization” section

The back-end of the ENEN2plus E&T HUB is implemented as a dedicated dashboard that provides authenticated organisations and administrators with a structured environment in which to manage their presence on the platform and contribute content in line with the project's scope. Access to the dashboard is granted through a credentialed login, supported by a password-recovery mechanism for

organisations that need to reset their access. Authentication is governed by the password policy described in Section 3.2 and operates on a role-based model, ensuring that each authenticated user can only view and modify the content and profile data for which they are responsible.

The dashboard is designed to make the principal contributor workflows transparent and self-contained, so that organisations can operate independently after a short onboarding phase. Its functional perimeter covers the following capabilities:

- 1) **Authentication and access:** Content-providing organisations access the platform through a dedicated login interface, with password-recovery available directly from the login screen. Sessions are protected in line with the platform's security configuration, and administrators retain the ability to create or revoke organisation accounts when required.

Figure 2: Authentication and access page

- 2) **Dashboard navigation:** After login, organisations are presented with a structured dashboard offering access to the editorial tools relevant to their role. The dashboard enables organisations to view the content they have created, filter that content by type or status, and access the actions associated with each entry.

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The screenshot shows the ENEN2plus dashboard for a Guide Administrator. The top navigation bar includes links for Nuclear Education, ENEN, Organisations, Projects, Educational Opportunities, Resources, Careers, Nucleation, Logout, and Account. The left sidebar displays the user's profile (ENEN) and statistics: 0 Courses and 2 Resources. The main content area is divided into 'Personal Details' and 'Organisation Details' sections.

Personal Details

Username	DragosMoldoveanu
Email	abc@mail.com

Organisation Details

Name	ENEN
Area of Activity	Nuclear Learning
Address	Rue d'Egmont 11, 1000 Brussels, Belgium
Website	https://enen.eu/
Type of Activity	Preservation and the further development of expertise in the nuclear fields by higher education and training in Europe.

The footer contains the Nuclear Education logo, a Privacy statement (GDPR) link, a 'Funded by the European Union' logo, a disclaimer, social media icons, and the copyright notice © 2026 - enen.eu.

Figure 3: Dashboard navigation page

- 3) **Organisation profile management:** The admin of the authenticated organisation can complete and maintain their own organisation profile from within the dashboard, including descriptive information, area of activity, contact details, website, address, logo and other structured fields. Profile data feed directly into the public Organisations section described in Section 4.5, ensuring consistency between the dashboard and the front-end view.
- 4) **Content creation across categories:** Organisations can create new entries across the relevant content categories of the HUB, including educational opportunities and career opportunities. Each content type uses a dedicated form aligned with the structured fields defined in Annex I of the RFQ, ensuring that submissions are recorded in a uniform and searchable format.

- 5) Use of the refined forms: The forms delivered under the November 2025 Addendum are exposed to contributors through the dashboard. They include explicit handling of mandatory fields, the dedicated on-demand course option for activities without fixed start and end dates, and the explicit "Save as draft" and "Publish" actions that separate work-in-progress from publicly visible entries. Year selection ranges and category lists have also been aligned with the public-facing filter structure, reducing inconsistency between contributor inputs and end-user search.
- 6) Relationship between dashboard submissions and the public front-end: Once published, entries become available on the corresponding public pages of the HUB, where they are surfaced through the search, filtering and sorting mechanisms described in Sections 4.2, 4.3 and 4.6. The dashboard reflects this relationship transparently, allowing organisations to understand how their submissions appear to end-users and how categorisation choices translate into visibility on the front-end.
- 7) Lifecycle management of existing content: Beyond initial creation, organisations can edit, duplicate, archive or remove their own entries over time directly from the dashboard. Archived items remain retrievable through the platform's search function, in line with the lifecycle expectations defined in the project specifications, while administrators retain oversight across all submissions for moderation and quality-assurance purposes.

Taken together, these capabilities operationalise the Grant Agreement requirement for a back-end supporting content providers with login, user profile and content management, and provide the editorial infrastructure on which the public functionality of the HUB ultimately depends.

4. Front-End Functionality (Public Area)

The public-facing area of the HUB is organised around the principal content categories foreseen in the project documentation. Each category is accessible from the main navigation and is supported by both overview and detail pages designed to facilitate discovery, navigation and consultation.

4.1 Homepage

The screenshot displays the ENEN2plus homepage, which is designed to be a central hub for nuclear education and training. The layout includes a top navigation bar with links to 'Organisations', 'Projects', 'Educational Opportunities', 'Resources', 'Careers', and 'Nucleation'. A 'Sign In' button is also present.

The main content area is divided into several sections:

- Welcome to the Education & Training database of ENEN2plus!**: A large banner with a group photo of people holding certificates, accompanied by a message about the database's purpose and a 'Explore All' button.
- Collaboration**: A section highlighting the platform's role in promoting collaboration in nuclear education and training.
- Engagement**: A section focusing on increasing engagement in the nuclear field for students, researchers, and professionals.
- Quality**: A section ensuring the highest quality of nuclear education and training.
- Learning**: A section promoting life-long learning and career development at postgraduate or equivalent level.

Below these sections, there is a 'Latest Courses' grid featuring eight course cards, each with a title, duration, start/end dates, and a 'Learn More' button. The courses include:

- COMMON Q PLATFORM OVERVIEW I&C Training Programs
- Formation SOFIA – Module SOFIA_COMPACT : Fonctionnement, physique et sûreté des REP – Situations normales et accidentelles
- Digital: Nukleare Sicherheitskultur – Refresher
- Radiochemistry and Isotope Production (2026)
- Digital: Neu in der Kerntechnik
- Digital: Nukleare Sicherheitskultur
- L'analyse des risques d'incendie dans les installations nucléaires
- SYLVIA – Système de Logiciels pour l'étude de la Ventilation, de l'Incendie et de l'Adécontamination Industriels – Module S2 : Incendie

At the bottom of the page, there is a 'Testimonials' section with a quote from Charles A. Hoard, a Nuclear Engineering Student, and a 'What Our Students Say?' section. The footer contains the ENEN2plus logo, a privacy statement, funding information from the European Union, and social media links.

Figure 5: Home page – General view

The homepage presents the HUB as the central database for nuclear education and training opportunities, career pathways, educational materials and provider organisations. It introduces the scope of the platform, highlights selected content and provides clear entry points to the main thematic sections.

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The homepage also supports project visibility by linking the HUB to the broader ENEN2plus initiative and by reflecting the collaborative nature of the network behind the project. Registration and participation calls to action are available for both end-users and organisations.

4.2 Educational Opportunities

The screenshot displays the 'Educational Opportunities' section of the ENEN2plus website. The interface includes a navigation bar with links to Home, Organisations, Projects, Educational Opportunities, Resources, Careers, and Nucleation. A search bar is positioned at the top left, and a 'Sign In' button is at the top right. The main content area is titled 'Educational Opportunities' and features a sidebar with various filters: Search, Status (Open, Closed, All), Organisations, Target Audience, Domains, Modalities, Type of Program, Frequency, Qualification, Level, Country, and Language. The main list shows 157 results, sorted by 'Newest'. Each entry includes a thumbnail image, a title, duration, start/end dates, and a link to the site. The footer contains the Nuclear Education logo, a privacy statement, and social media links.

Figure 6: Educational Opportunities page – General View

The Educational Opportunities section provides structured access to training and VET offers across Europe. Users can search and filter entries by multiple criteria, including:

- category (E&T or VET);
- status;

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- organisation;
- target audience;
- domain;
- modalities
- type of program
- frequency
- qualification
- level
- country
- language

This section was refined through the Addendum so that filter controls are more usable and easier to reset. The course detail pages display the structured data fields specified in Annex I of the RFQ, such as provider, dates, venue, target audience, duration, learning outcomes, modality, programme type, level, recognition, credit points, application information, tuition and contact details.

This structure ensures that educational and vocational opportunities are presented in a uniform and searchable format that supports both discovery and comparison.

The Careers section presents academic and professional opportunities relevant to the nuclear sector, including thesis topics, research positions, internships, scientific visits, on-the-job training and jobs.

Following the Addendum, entries now provide a clearer overview by displaying key identifying information such as the title, organisation and deadline directly in the listing view. Sorting controls were also improved so that they use meaningful and user-oriented labels instead of generic ascending/descending terminology. Users can search and filter entries by multiple criteria, including:

- status;
- Type
- Contract Duration

This section therefore offers a more efficient browsing experience and allows ENEN to highlight selected opportunities through additional editorial mechanisms such as promotional banners.

4.4 Educational Materials – Resources section

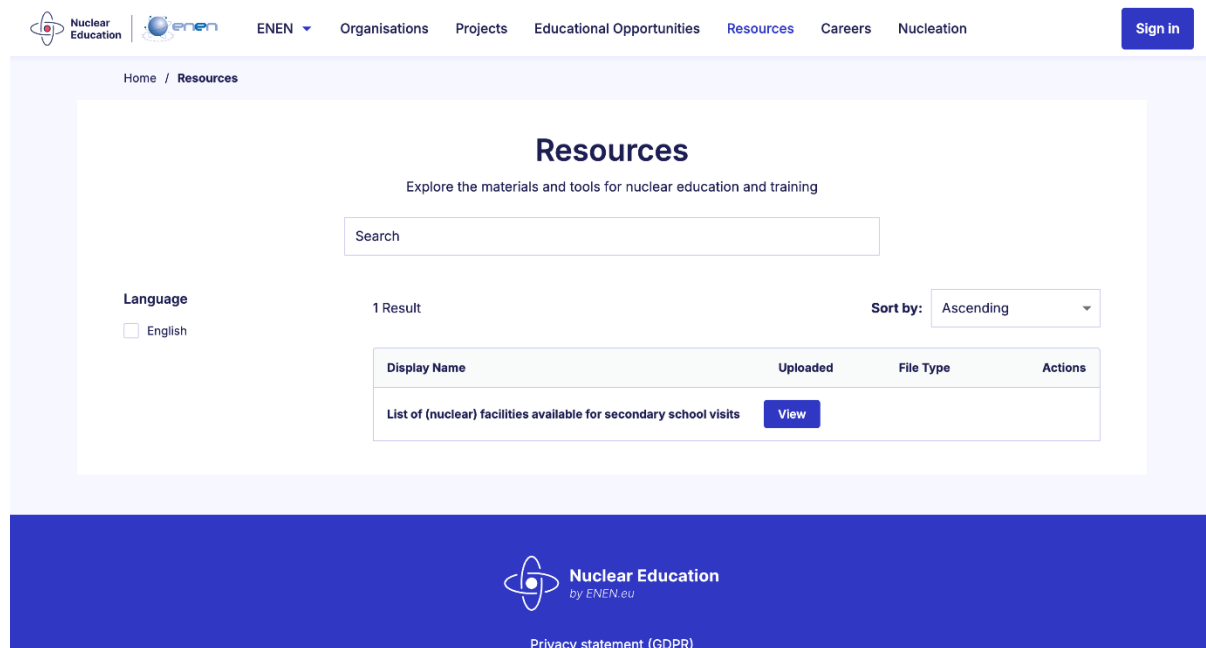


Figure 8: Resources page – General View

The Resources section functions as a structured repository of learning resources. In the back end, each entries typically includes title, contributing organisation, country, language, topic, material type, descriptive information and a link to the original source. In the frontend, only the information made available by the registered contributing organisation is displayed to users.

Users can explore materials by keyword and through structured browsing based on topic, language and provider. This supports the broader project objective of improving the accessibility and visibility of relevant educational resources. The language filter is always available, while additional filters, such as topic and provider, are displayed only when the corresponding metadata has been provided by the organisation responsible for submitting and managing the resource.

4.5 Organisations and Contacts

Nuclear Education

enen

ENEN

Organisations

Projects

Educational Opportunities

Resources

Careers

Nucleation

Sign in

Home / Organisations

Organisations

Explore leading organizations in nuclear science and education

Search

56 Results

Sort by: A to Z

Display Name	Actions
Abilico JSC	View
actimondo	View
Advanced Nuclear Fuels GmbH	View
AlINT GmbH	View
Aix-Marseille University	View
ASNR	View
Bangladesh Atomic Energy Regulatory Authority	View
Budapest University of Technology And Economics, Institute of Nuclear Techniques	View
Chalmers University of Technology	View
czech Technical University in Prague	View
DEPARTEMENT OF ENERGY	View
egyptian atomic energy authority	View
ENECP	View
ENEN	View
Energy Safety Group	View
Energy Software SL	View
EURAD-2	View
European Nuclear Society	View

Load more

Nuclear Education

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Figure 9: Organizations page – General View

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The Organisations section presents the institutional network associated with the HUB, including universities, research centres, training providers and other actors in the nuclear education and training ecosystem.

Following the Addendum, organisation cards were improved for consistency in visual presentation, duplicate entries were addressed, and sorting labels were clarified. Organisation detail pages expose the structured profile data specified in the project documentation, including organisation name, country, area of activity, website, address, contact information and Educational Opportunities.

The screenshot shows the 'SCK CEN' organisation detail page. The header includes the 'Nuclear Education' logo and a navigation menu with links to Home, Organisations, Projects, Educational Opportunities, Resources, Careers, and Nucleation. A 'Sign in' button is in the top right. The page title is 'Home / Organisations / SCK CEN'. The main content area features the 'SCK CEN' logo and a description: 'SCK CEN is a global leader in the field of nuclear research, services and education. It is one of the biggest research centers in Belgium. With more than 900 employees, throughout all of our work, we are focusing on 6 research topics: Climate change - Circular economy - Fight against cancer - nuclear safety - radiation protection - nuclear knowledge governance'. A contact card for 'Tom Clarijs' is shown. The 'About this organisation' section describes the mission of SCK CEN Academy. The 'Our priorities' section lists four key areas: guiding young scientists, academic education, policy support, and care for critical capacities. A 'Details' sidebar provides contact information: ID: 554, Area of activity: Research & Development, Address: Boeretang 200, BE-2400 Mol, Website: https://www.sckcen.be/en/academy. A 'Visit the organisation website' section includes a link to the website. At the bottom, there is a button for 'Our Educational Materials' with a count of 24.

Organisation

SCK CEN

SCK CEN is a global leader in the field of nuclear research, services and education. It is one of the biggest research centers in Belgium. With more than 900 employees, throughout all of our work, we are focusing on 6 research topics: Climate change - Circular economy - Fight against cancer - nuclear safety - radiation protection - nuclear knowledge governance

Tom Clarijs

About this organisation

Expanding and maintaining nuclear knowledge on peaceful applications of ionising radiation: this is one of the main ambitions of SCK CEN. Through the SCK CEN Academy, we ensure the transfer of all nuclear knowledge, skills and attitudes of students and professionals in the nuclear field. The greater the access to nuclear knowledge, the better the skills of students and employees in the workplace and the safer the use of ionising radiation in industry, healthcare and in the research community. Moreover, excellent knowledge sharing also supports new, innovative applications for the benefit of society as a whole.

Our priorities

- Guiding young scientists

SCK CEN experts are ready to guide bachelor, master and PhD students as well as young professionals. We offer internships under the supervision of a mentor and post-doctoral positions to improve nuclear competences.
- Organisation of academic education programmes and courses tailored to professionals

The SCK CEN Academy works together with several Belgian and foreign universities and contributes to academic education. We also offer customised training courses to improve the knowledge and skills of employees from the industry, the medical sector, research organisations and public authorities engaged in radioactive applications.
- Policy support in terms of nuclear education

Through networking activities and by participating in international projects, the SCK CEN Academy contributes to a closer match between training courses and the recognition of skills on a national and international level. We also take the lead in organising conferences and workshops about education programmes focussing on nuclear sciences and technology.
- Care for critical/intellectual capacities for society

The SCK CEN Academy is committed to encourage a critical mind and objectivity among students, trainees and PhD researchers in the nuclear domain. The purpose is to promote a critical mind with regard to the scientific, social, political and ethical aspects so that the evaluation of nuclear applications is always done in as objective a way as possible.

Sign up for the SCK CEN Academy newsletter and stay up to date with our educational activities, training courses and events.

Visit the organisation website

Link here
<https://www.sckcen.be/en/academy>

Our Educational Materials
 24

Details ID: 554

- Area of activity: **Research & Development**
- Address: **Boeretang 200, BE-2400 Mol**
- Website: <https://www.sckcen.be/en/academy>

Tom Clarijs
 tclarijs@sckcen.be



Figure 10: Example of an organization main page – General View

4.6 Search, Sorting and Crawled Content

Across the platform, search and sorting functions operate on structured content fields and support retrieval of both current and archived content. In addition, the HUB includes a dedicated area for crawled courses imported from external sources, allowing users to access a broader range of opportunities while preserving links to the original providers. The password-protected administrative area is accessible only to authorised users with elevated privileges. This restricted section contains the full catalogue of courses identified in Deliverable D4.1, under the task T4.1. These courses are currently marked as private and will be formally assigned to their respective institutional owners upon completion of registration on the ENEN Hub. At the time of drafting, some courses have not yet been linked to their institutional owners.

This functionality supports the role of the HUB as a centralised access point rather than a closed repository limited only to manually entered content.

5. Addendum Improvements (November 2025)

Following the initial release of the platform, ENEN and the development partner agreed a targeted programme of enhancements formalised through the Addendum signed on 26 November 2025. These improvements addressed practical operational issues and strengthened the usability and consistency of the HUB while preserving its overall architecture and purpose.

5.1 Careers page

The careers listing was restructured to show the most relevant identifying information directly in the overview, including title, organisation and deadline. Sorting labels were revised to use clearer wording, and a promotional-banner mechanism was introduced to enable editorial highlighting of selected opportunities.

5.2 Educational Opportunities page

Static filter lists were replaced with more manageable dropdown controls. The project filter was simplified, and sorting labels were aligned more closely with the meaning of the selected date criterion.

5.3 New course / career forms

The forms used by content providers were improved to remove legacy constraints and improve editorial usability. Enhancements included:

- updated year selection ranges;
- support for on-demand courses without fixed start and end dates;
- clearer display of mandatory fields;
- explicit “Save as draft” and “Publish” actions;
- and alignment between form categories and the public-facing filter structure.

These improvements reduced friction for content providers and improved data consistency across the platform.

5.4 Organisations page

Organisation cards were visually normalised, duplicate entries were cleaned up, legacy or redundant information was removed where agreed, and sorting labels were improved for clarity. The organisation logo was treated as an important visual element to support consistency and recognition.

5.5 Private Courses Section

As a result of this mapping process, all identified courses were incorporated into the system architecture. However, due to the absence of formal agreements authorising their public publication, a dedicated Private Courses section was established: <https://nuclear-education.eu/private-opportunities/>

This restricted section contains courses that were identified and collected through a systematic research and crawling process under the task T4.1. Given that limited formal consent for public dissemination has been obtained from the respective course providers:

- These courses are placed in a restricted, non-public area of the website.
- The section is not indexed by search engines (including Google).
- It is not publicly linked within the website navigation.
- Access is limited exclusively to authorised contributors who have been provided with the direct URL.

Website visitors and general end-users do not have access to this section. The content is not intended for public use, distribution, or external referencing at this stage.

The password-protected administrative area is accessible only to authorised users with elevated privileges. This restricted section contains the full catalogue of courses identified in Deliverable D4.1, under the task T4.1. These courses are currently marked as private and will be formally assigned to their respective institutional owners upon completion of registration on the ENEN Hub. At the time of drafting, some courses have not yet been linked to their institutional owners.

5.6 Delivery and acceptance

The Addendum defines the legal, financial and delivery conditions governing the above improvements. These are aligned with the underlying service agreement and establish the basis on which the additional scope was delivered, accepted and integrated into the live platform.

5.7 Nuclear Education HUB - The Complete User Guide



Figure 11: Nuclear Education HUB - The Complete Guide – General View

Alongside the platform refinements described above, an interactive contributor guide was produced as a complementary deliverable titled "[Nuclear Education HUB - The Complete Guide](#)".

The guide was designed and built as an interactive prototype in Figma and is intended to walk content-providing organisations through every step of using the platform, from initial access to the publication of their first entries.

The guide is screen-based and clickable. Contributors progress through a guided sequence of annotated screens that mirror the actual interface of the HUB, allowing them to follow the flow of each task as they would experience it in production. This visual, step-by-step format complements the live platform by providing an onboarding experience that does not require contributors to read a long textual manual before they can act. The guide will be included in the confirmation email for admin and contributors.

The guide covers the principal contributor workflows on the HUB, including:

- accessing the platform and authenticating as a content-providing organisation;
- navigating the back-office area and understanding the available editorial tools;
- completing and maintaining the organisation profile;
- creating new entries across the relevant content categories, including educational opportunities and career opportunities;
- using the refined forms delivered under the Addendum, including mandatory-field handling, the on-demand course option and the "Save as draft" / "Publish" actions;
- understanding how submissions appear on the public front-end and how categories and filters relate to the published view;
- editing, archiving or removing existing content over time.

By providing a structured walkthrough of each of these steps, the guide reduces the learning curve for new contributors, improves the consistency of submissions across organisations, and reinforces editorial good practices on the platform. It also serves as a reference asset for ENEN administrators,

who can use it during onboarding sessions, training events and bilateral support exchanges with partner organisations. As a Figma-based interactive prototype, the guide can be updated efficiently as the HUB evolves, ensuring that contributor documentation remains aligned with the live platform over the remaining project period and the follow-up maintenance window.

6. Maintenance, Operations and Continuous Improvement

6.1 Scope of maintenance

Maintenance covers the technical and operational activities defined in the service framework, including:

- hosting-related support;
- monitoring and maintenance of platform availability;
- framework and security updates;
- bug fixing;
- minor feature evolution consistent with the original scope;
- and support to ENEN administrators in routine operational tasks.

This maintenance arrangement ensures that the platform remains usable, secure and adaptable throughout the project period and the agreed follow-up period.

6.2 Backups

The platform is subject to periodic backup procedures covering the principal technical components required for restoration. These backups form part of the continuity arrangements supporting platform resilience and operational recovery.

6.3 Confidentiality and copyright

Information exchanged between ENEN and the development partner is governed by confidentiality obligations under the relevant contracts. Copyright and ownership of the delivered platform rest with ENEN. Where third-party materials are used, the applicable contractual responsibilities and warranties govern their lawful use.

6.4 Continuous improvement

Beyond scheduled contractual activities, ENEN and the development partner maintain an operational feedback loop that allows emerging issues or improvement opportunities to be identified and translated into prioritised actions. The November 2025 Addendum represents a concrete example of this continuous-improvement mechanism in practice.

7. Compliance, Visual Identity and EU Acknowledgements

The ENEN2plus E&T HUB has been implemented in a manner consistent with the applicable visual-identity and acknowledgment requirements for EU-funded actions under Euratom and Horizon Europe-related communication practice. The EU emblem, ENEN2plus project identity and relevant funding acknowledgement are integrated into the public presentation of the platform.

The standard disclaimer concerning authors' views and the absence of responsibility on the part of the European Union or the European Commission is reflected in the platform in accordance with the project requirements. Privacy statements and data-processing notices are included where personal data are collected or displayed, and external-link disclaimers clarify that linking to third-party sites does not imply endorsement.

Taken together, these elements demonstrate that the HUB supports not only the functional goals of the project but also its communication, visibility and compliance obligations.

8. Conclusion

The ENEN2plus E&T HUB, available at <https://nuclear-education.eu>, is operational and fulfils the function foreseen under Grant Agreement No. 101061677 as a centralised digital platform for nuclear education, training and career-related information in Europe that can serve as a single point of entry for end-users.

The platform implements the principal content categories defined in the project specifications, provides structured and searchable information, supports differentiated user roles, and operates under a maintenance and governance model that secures both editorial ownership and technical continuity. The refinements introduced through the November 2025 Addendum have improved usability and consistency while preserving full alignment with the original objectives and requirements.

The HUB therefore constitutes a functional and sustainable project asset that supports dissemination, visibility, coordination and long-term accessibility of ENEN2plus results. ENEN retains ownership and strategic control of the platform, while the development partner continues to provide the technical support necessary to ensure reliability, security and continued operation.

Annex A - [Request for Quotation \(RFQ\)](#)

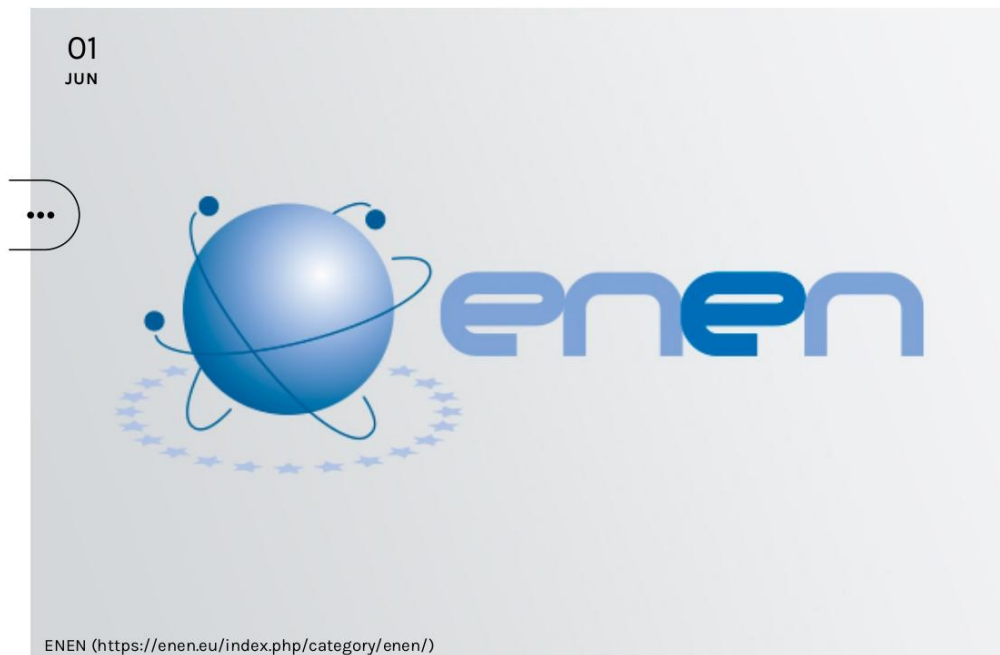
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Request for Quotations for an Online Platform – European Nuclear Education Network



NEWS

[Home](#) / [ENEN \(https://enen.eu/index.php/category/enen/\)](https://enen.eu/index.php/category/enen/)



Request for Quotations for an Online Platform

Posted by Camila Boix Mansilla (<https://enen.eu/index.php/author/camilab/>)

Request for proposals for a Website development and maintenance service

The European Nuclear Education Network aisbl (ENEN) is launching a 'Request for Proposals' in order to establish a new website in the frame of the Project "Building European Nuclear Competence through continuous Advanced and Structured Education and Training Actions (ENEN2plus)", that has received funding from the Euratom research and training programme under grant agreement No. 101061677, in which ENEN is the coordinator.



<https://enen.eu/index.php/2023/06/01/request-for-quotations-for-an-online-platform-2/>

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Request for Quotations for an Online Platform – European Nuclear Education Network

Download the request for proposal in **PDF format** (https://enen.eu/wp-content/uploads/2023/06/QUOTATION-for-E-HUB_RC.pdf)

 [enen](https://enen.eu/) (<https://enen.eu/>)

In order to comply with the established need of such Online Platform, this Bidding Process is established to welcome offering companies to send offers for the development and maintenance of the requested tool.

FORMAL BID (or OFFER SUBMISSION) INSTRUCTIONS

The offers must be split into three major **parts**:

-  **Database support development**
-  **Populating the database with mentioned and existing inputs, with reference to the scope of work**
-  **Maintenance and updates**

Offering companies should send an offer including: **the technical description (including timings for the realization of each part), an economic proposal and a set of references for their previous works**. The price should include any updates to the platform used or any updates of the

components of the webpage.

The following estimative timings are suggested **per each part**, as defined above:

- > Four months after the signature of the contract and provision of all necessary inputs from ENEN2plus and ENEN;
- > Four months after the signature of the contract and provision of all necessary inputs from ENEN2plus and ENEN
- > Continuous

The Offers have to be sent to ENEN in the following way:

- > By email addressed to (with the subject: "ENEN2plus HUB development"): secretariat@enen.eu (<mailto:secretariat@enen.eu>)
- > Deadline for the reception of proposals/offers: **11/06/2023**.

After this deadline, ENEN will select the winning offer according to the 'best value for money' policy established in the Project. Should the offers not comply with the technical specifications outlined previously or propose a serious variation of the price (particularly if it

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is higher than the appointed internal budget), the tender process could initially resolve in no winner. In this case, further rounds of invitations could be considered.



Once an offer is selected, a contract will be drafted between the selected company and ENEN in order to start the services if required, or, alternatively, the offer could be formally accepted and signed by ENEN.

ENEN reserves the right, in the latter case, to propose final modifications prior to signature.

To address questions related to this bidding procedure, you may contact Gabriel Pavel (Gabriel.Pavel@enen.eu (<mailto:Gabriel.Pavel@enen.eu>)).



< [PREVIOUS POST \(HTTPS://ENEN.EU/INDEX.PHP/2023/06/01/CINCH-TALKS-9TH-APPOINTMENT/\)](https://enen.eu/index.php/2023/06/01/cinch-talks-9th-appointment/)

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[PHD Events \(/index.php/phd-events/\)](/index.php/phd-events/)

[International \(/index.php/international/\)](/index.php/international/)

[ENEN news \(/index.php/about-enen/news/\)](/index.php/about-enen/news/)

USEFUL LINKS

[ENEN Database \(https://database.enen.eu/\)](https://database.enen.eu/)

[GDPR Privacy Policy \(/index.php/gdpr-privacy-statement/\)](/index.php/gdpr-privacy-statement/)

[Contact Us \(/index.php/enen-contact/\)](/index.php/enen-contact/)

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<https://enen.eu/index.php/2023/06/01/request-for-quotations-for-an-online-platform-2/>

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 (<https://x.com/ENENAssociation>)
 (<https://www.youtube.com/@enenassociation390/videos>)
 (<https://enen.eu/>)
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ENEN OFFICE

Visit the European Nuclear Education Network (ENEN) in the center of Brussels

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- ✉ secretariat@enen.eu (<mailto:secretariat@enen.eu>)



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Annex B - Documentary Basis

This report is based on the following documentary and operational sources:

Request for Quotation issued by ENEN for the development and maintenance of the project website, setting out the technical, functional, hosting, maintenance, GDPR and visual-identity requirements of the HUB, including the structured data fields specified for the main content categories;

Addendum to the website development, hosting and maintenance agreement, signed on 26 November 2025 between ENEN aisbl and Studio Seven Solutions SRL, defining the scope, pricing and timeline of the agreed platform improvements;

Live platform consultation, based on the public ENEN2plus E&T HUB at <https://nuclear-education.eu>, used as the practical reference point for validating the implemented structure and functionalities.