



Newsletter n°21
May 2025

Upcoming events

29th September - 3 October 2025
ERPW, London, UK

29th September 2025
NERIS Workshop, London, UK

3-4 November 2025
Workshop INEX-6, Fontenay-aux-Roses,

Editorial

Dear NERIS community,

Reflecting on the past year and looking forward to the events and developments ahead, we are reminded of the importance of our collective efforts in enhancing preparedness for nuclear and radiological emergencies. The NERIS platform continues its contribution in collaboration, innovation, and knowledge sharing in this field.

The year 2024 was marked by milestones and fruitful discussions within our community, setting the stage for collaborative projects under the PIANOFORTE initiative, focusing on emergency preparedness related to Small Modular Reactors (SMR).

The 15th General Assembly was pivotal for NERIS, with robust participation from our members. We discussed the future challenges, including the impact of armed conflicts, SMRs, and climate change on our field.

The NERIS Workshop at in Rome in November was successful thanks to the sessions chaired by PIANOFORTE projects, on resilience to nuclear events (RRADEW), citizen monitoring strategies (CITISTRA), and modelling action strategies for nuclear detonations (PREDICT). The participation of speakers from international organisations (ICRP, WHO) enriched the discussions. A further update of these ongoing projects can be expected at the next NERIS workshop.

Looking ahead, we are excited about the upcoming European Radiation Protection Week (ERPW) in London from September 29th to October 3rd, 2025. This event will feature critical topics related to EPR&R. We encourage all members to submit their presentations and engage actively in these discussions. The NERIS Workshop, also in London on September 29th, will focus on PIANOFORTE projects and ongoing developments within our platform. It will be an excellent opportunity to delve into the latest research and collaborate with international organizations.

As we navigate the complexities of nuclear and radiological emergency preparedness, the strength of our community lies in our shared commitment to innovation, collaboration, and resilience. We look forward to your active participation in the upcoming events and your contributions to the renewal of our Strategic Research Agenda through meetings of the R&D Committee and specific meetings.

Sincerely,
The NERIS Management Board

Feedback from 2024 events

NERIS Research and Development Committee, February 14, 2024

The NERIS R&D Committee met online on February 14, 2024, to discuss the cooperation of platform members in response to the second PIANOFORTE project call.

During this meeting, NCBJ (Poland) and KIT (Germany) expressed their intention to each submit a project proposal on emergency preparedness and response related to the deployment of Small Modular Reactors (SMR), which would be complementary. The preparation of the 2024 Workshop was also discussed, specifying the Workshop themes and the call for papers.

Workshop on AI and Radiation Protection, Agia Paraskevi, Greece, April 18-19, 2024

Within PIANOFORTE, NCSR "Demokritos" organized a workshop titled "Artificial Intelligence and Radiation Protection" to present and discuss current and future uses of artificial intelligence in various sectors of radiation protection, including emergency preparedness and response to nuclear and radiological emergencies.

The workshop was organized at its premises in Agia Paraskevi, Attica, Greece, on April 18-19, 2024. Several experts from the NERIS platform presented work on the application of artificial intelligence (AI) in the field of EPR&R: Spyros Andronopoulos (NCSR), Anna Wawrzyńczak-Szaban (NCBJ), and Sadeeb Simon Ottenburger (KIT).

The program and presentations are available on the [PIANOFORTE website](#).

15th General Assembly of the Platform, June 21, 2024

The 15th General Assembly of NERIS was held via an online meeting on June 21, 2024. There was a large participation of NERIS members for this General Assembly.

The NERIS Management Board highlighted the main challenges for the future of the platform:

- ▶ The importance for the community to continue meeting and discussing among European projects to maintain close cooperation,
- ▶ The necessary progress of the community on emerging topics related to armed conflicts, small modular reactors (SMR), and climate change challenges,
- ▶ The renewal of the NERIS Strategic Research Agenda in 2025, which requires the mobilization of members to identify new challenges for the platform.

It was decided at this General Assembly to organize annual Workshops starting in 2026, separate from the European Radiation Protection Week (ERPW), to devote more time to platform topics and to exchange experiences from ongoing European projects.

The Minutes of the General Assembly are available on the [NERIS website](#).

Feedback from 2024 events

RODOS User Group (RUG) Meeting, 16 – 17 September 2024

The RODOS User Group (RUG) Meeting took place at the National Centre for Nuclear Research (NCBJ) in Otwock-Świerk, Poland. The event brought together around 50 experts and stakeholders, attending both onsite and online, to discuss recent advancements in the RODOS system, focusing on enhancing its capabilities and applications in nuclear emergency preparedness and response.

Key topics included the consequence assessment of nuclear-powered vessel accidents in the Arctic, the implementation of JRODOS in Belgium and Iran, optimization of warning station locations, and long-distance simulation of radionuclide transport using JRodos-Match. Additionally, a training course was proposed for participants. The full agenda of the event is available on the [NBCJ website](#).



Participants of the RODOS User Group meeting, Otwock-Świerk, Poland

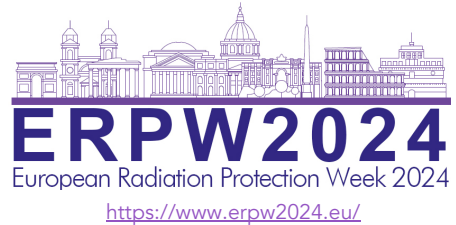
MEENAS EURADOS/NERIS Webinar, October 17, 2024

The MEENAS group (MELODI, EURADOS, EURAMED, NERIS, ALLIANCE, and SHARE) organized a webinar on October 17, 2024, to present and promote the strategic research agendas of NERIS and EURADOS, identify the interconnections between these strategic agendas, the links with other areas of radiation protection, and the international organizations that could be involved in updating these strategic agendas.

Feedback from 2024 events

EPR&R Sessions at ERPW, Rome, Italy, 11 – 15 November 2024

Olivier Isnard (ASNR) and Florian Gering (IRSN), respectively as president and vice-president of the platform, chaired a session at ERPW on the theme of exposures of the public, workers, and the environment following a major nuclear or radiological accident. The session, divided into two parts, included 16 oral presentations and 10 posters. The program is available on the [ERPW 2024 website](https://www.erpw2024.eu/).



NERIS Workshop at ERPW, Rome, Italy, November 11, 2024

The 2024 NERIS Workshop was held during the European Radiation Protection Week (ERPW) for half a day on Monday, November 11, 2024, in Rome, Italy. It gathered around 80 participants.

The Workshop was divided into three sessions:

- ▶ Resilience to nuclear or radiological events in armed conflicts,
- ▶ Strategies for monitoring citizen measures in response to threats from armed conflicts or natural disasters,
- ▶ Modeling and action strategies in case of nuclear detonations.

A speaker from the International Commission on Radiological Protection (ICRP) and a speaker from the World Health Organization were invited to present recent developments on these topics.

The program and presentations of the Workshop are available on the [NERIS website](https://www.neris.eu/).



*Maria Karampereri (Lund University), Jean-Marc Bertho (ASNR), Jan Helebrant (SURO), Clemens Woda (BfS)
at NERIS Workshop 2024 (photos from [PIANOFORTE Newsletter February 2025](https://www.pianoforte.eu/))*

Upcoming events

29th September - 3 October 2025: ERPW, London, UK

The [European Radiation Protection Week 2025](#) will take place at The Cumberland in London and hosted by UKHSA.

Conference topics related to NERIS activities are the following:

- ▶ Emergency Preparedness, Resilience and Response (EPR&R) for nuclear detonation
- ▶ EPR&R frameworks, governance and stakeholder involvement

The programme committee is seeking oral and poster presentations on the conference topics and in all areas of radiation protection research. All submissions should, wherever possible, include consideration of stakeholder input and social sciences/humanities. Abstract shall be sent before May 31st.



<https://www.ukhsa-protectionservices.org.uk/rpw/>

29th September 2025: NERIS Workshop, London, UK

The 11th NERIS Workshop will take place in London, as a satellite meeting of ERPW 2025, hosted by UKHSA on 29th September (full day). For this year, the Workshop will be partly dedicated to PIANOFORTE projects related to NERIS activities:

- ▶ From Call 1: CITISTRA, RRADEW, PREDICT,
- ▶ From Call 2: CATAPULT, GIROSCOPE.

The Workshop will also cover topics related to ongoing developments from members of the platform and involve international organisations, a call for abstract will be sent accordingly.

Registration to the Workshop will start together with ERPW registrations.

3 - 4 November 2025: Workshop INEX-6, Fontenay-aux-Roses

A Workshop on "Enhancing Preparedness for Recovery: From Exercise to Action through INEX-6 Insights" will take place on 3 – 4 November 2025 at the ASNR Auditorium in Fontenay-aux-Roses, near Paris, France. This workshop will present the final outcomes of INEX-6 and deepen the discussion on next steps for strengthening recovery preparedness systems at both national and international levels, including discussions on the transition phase. The Workshop will be open to all those interested in learning more about the results of INEX-6 and discuss recovery planning in general.

5 - 6 November 2025: WPNEM plenary meeting, Fontenay-aux-Roses

Following the workshop, the 50th WPNEM (Working Party on Nuclear Emergency Matters) plenary meeting will be held on 5–6 November 2025, also in Paris. This will be an important opportunity to help shape the future programme of work in a balanced way and to receive updates on the current efforts of the Expert Group on Emergency Preparedness for SMRs (EGEPSMR), the Task Group on Update of Member Country Protective Measures Handbook (TGPMH), NEA initiatives related to armed conflicts, and the ongoing revision of international standards, among other activities.

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