



EUROPEAN PLATFORM ON PREPAREDNESS FOR NUCLEAR AND RADIOLOGICAL EMERGENCY RESPONSE AND RECOVERY

Coming events

1-3 July 2019

RICOMET 2019, Barcelona, Spain

11-13 September 2019

ENGAGE Dissemination Workshop, Bratislava, Slovak republic

14-18 October 2019

ERPW 2019, Stockholm, Sweden

13-15 November 2019

Final event of TERRITORIES, Aix en Provence, France

2-5 December 2019

CONFIDENCE Final Workshop, Bratislava, Slovak republic

EDITORIAL

Issue 17 – June 2019

The 5th NERIS Workshop held in Roskilde at the beginning of April confirmed the interest for NERIS activities with a large participation from research organisations in Europe and abroad. We have to acknowledge the quality of the presentations (oral and poster) as well as the open discussions held during the sessions. At this occasion, the election of the NERIS Management Board was organised. I am pleased to continue to serve as President of the NERIS Platform and welcome two new members of the Management Board: Ciara McMahon and Paulo Nunes. On behalf of my colleagues from the Management Board, I would like to express my sincere gratitude for their fruitful involvement in NERIS activities since many years to Tatiana Duranova and Christophe Murith who left the Management Board.

The NERIS community is still increasing! After the involvement of the Swedish Radiation Safety Authority (SSM), it is my pleasure to welcome the Belgium Federal Agency of Nuclear Control (FANC) as member of the NERIS association. We hope to welcome other members in the following months in order to enlarge the exchange on emergency and recovery issues and challenges with all the interested stakeholders and organisations.

As you can see in this Newsletter, several European research projects, funded as part of CONCERT EJP, will finish at the end of this year, leading to the organisation of several final workshops this autumn. These projects will contribute to improve the preparedness for emergency response and recovery from nuclear events and the workshops will provide the opportunity to further interact with national and international organisations involved in related issues.

Taking into account the recent and on-going research developments as well as the expectations from national and international organisations for improving emergency and recovery management, there is a need to update the NERIS Strategic Research Agenda (SRA) and the NERIS Roadmap. At the same time, a joint effort is being made with all the European radiation protection research platforms to finalise the Joint Roadmap on radiation protection research issues, which will structure future European research in this field.

Among the challenges for this year, it is worth mentioning the importance of promoting the involvement of young researchers in NERIS activities and reinforcing Education & Training in the field of emergency and recovery preparedness.

Finally, I am pleased to announce and support, on behalf of NERIS, the creation of a new European research platform, SHARE, dedicated to social sciences and humanities. These issues are largely addressed in NERIS activities and will certainly benefit from this new platform, which will organise its first General Assembly on July 4, 2019 in Barcelona.

Thierry Schneider – CEPN (France) – President of the NERIS Platform



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Feedback from recent events

The 10th NERIS General Assembly

40 participants from 12 countries attended the Ninth NERIS General Assembly, which was held on April 3rd, 2019 at the occasion of the 5th NERIS Workshop in Dublin. The General Assembly allowed sharing and discussing the annual report, the financial situation, and the review of the on-going activities of the NERIS Platform.

The new management board was elected by the general assembly, the list and minutes are available on the NERIS website (<https://eu-neris.net/about-neris/management-board.html>).



The 5th NERIS Workshop -Roskilde, Denmark 3 – 5 April 2019

On 3-5 April 2019 in Roskilde, the NERIS Platform organised its 5th Workshop in cooperation with DTU Nutech. The Workshop gathered 85 participants and 58 papers, including 12 posters, dedicated to "Key challenges in the preparedness for emergency response and recovery of a nuclear or radiological event" and addressed the following challenges:

- ▶ Radiological impact assessment during all phases of nuclear and radiological events
- ▶ Countermeasures and countermeasure strategies in emergency & recovery, decision support & disaster informatics
- ▶ Setting-up a trans-disciplinary and inclusive framework for preparedness for emergency response and recovery



A specific session was dedicated to "Challenges in estimating the source term and operational radiological picture (on-site versus off-site)".

The book of abstract of the Workshop and the powerpoint presentations made during the workshop are available on the NERIS website.

NERIS Young scientist award

For the second time, the NERIS Platform set up the 'NERIS Young Scientist Award' to promote young people whose professional or scientific works have been noted for their quality and originality. 4 award winners were selected according to criteria established by the Programme Committee. The award was announced and presented at the end of the 5th NERIS Workshop, and consisted of a diploma for all and a free registration for the next NERIS Workshop for the 1st prize.



1st prize

Mélanie Maître (CEPN, France)
« Management of contaminated goods in post-accident situation – Lessons learned from Fukushima »



2nd prize

Piotr Kopka (NCNR, Poland)
« Identification of atmospheric contamination source in an urban area by Approximate Bayesian Computation methodology»



3rd prize (ex-aequo)

Gunther Bijloos (SCK•CEN, Belgium)
« The effect of terrain modeling on simulated dose rates»



3rd prize (ex-aequo)

Anna Selivanova (SURO, Czech Republic)
« Simulations of decontamination scenarios using the system dynamics approach»

Feedback from recent events



NERIS Working Group on ICRP recommendations

NERIS cooperation with the NEA-CRPPH-EGIR on the draft ICRP Publication *Application of the Commission's Recommendations for the protection of People and the Environment in the event of a Large Nuclear Accident –Update of the ICRP Publications 109 and 111*

At the end of January, the International Commission on Radiological Protection (ICRP) launched a pre-consultation with its "Special Liaison Organisations" (SLO) on the draft publication "Application of the Commission's Recommendations for the Protection of People and the Environment in the Event of a Large Nuclear Accident" – Update of ICRP Publications 109 and 111", developed by the ICRP Task Group n° 93. NERIS has cooperated with the Expert Group on the Implications of Recommendations (EGIR) of the Nuclear Energy Agency Committee on Radiological Protection and Public Health (CRPPH), in organising a meeting to jointly discuss and comment the draft. Several members of ICRP (as observers) and NERIS met together with EGIR at the NEA premises in Boulogne-Billancourt, France, on 26 February 2019.

Both EGIR and NERIS have highly appreciated the opportunity to review the draft prior to the public consultation. They acknowledged the usefulness of the document, the integration of recommendations from the different phases into a single document and the enormous effort made by ICRP to produce it. However, a significant amount of comments, of the order of 200 of different relevance, has been compiled and summarized by the CRPPH Secretariat. These comments were referred to the overall scope, the terminology, the definition and use of reference levels, the balance between radiological and non-radiological risks, the social and economic aspects, the stakeholders involvement, the protection of responders in the recovery phase, the international cooperation and transboundary coordination and the lessons from Chernobyl and Fukushima nuclear accidents, among others.

The draft has been updated by the ICRP and there will be an open ICRP consultation process during summer 2019. To gather comments from the NERIS community, a one-day meeting of the NERIS Working Group on ICRP recommendations will take place at CEPN on 26 July 2019.

Eduardo Gallego – UPM (Spain)



Activities of the RODOS Users Group

The yearly meeting of the RODOS Users Groups was held in Biltoven (The Netherlands), hosted by RIVM, on 6-7 May 2019. More than 50 participants from 17 countries were present.

The meeting focused on:

- ▶ Informing all users of the RODOS decision support system about the recent developments of the system,
- ▶ Reporting and discussing about the use of RODOS in the RUG member countries,
- ▶ Discussing about the priorities for further development of the system.

Furthermore, the meeting participants had the chance to visit the crisis center at RIVM, including an introduction into the use of the RODOS system within the crisis center in case of an emergency.

All presentations shown during the meeting will be distributed within the RODOS User Group electronically within the next weeks.

The announcement for the next RODOS User Group meeting in 2020 will be send out in autumn 2019 at latest.

Florian Gering – BfS (Germany)



Upcoming events

Consultation on the update of the NERIS SRA

As a side meeting of the 5th NERIS workshop, organized at DTU in Roskilde, Denmark a NERIS R&D Committee meeting was organized on the 2nd of April 2019. The meeting was open to all participants of the NERIS workshop already present in Roskilde and was mainly organized as a brainstorming session to explore a potential update of the current Strategic Research Agenda (SRA) of NERIS. In the context of the CONCERT project an updated version of the platforms SRA's is foreseen as deliverable by November 2019.

From the meeting it became clear that a large update, changing key research areas and/or topics, is not required. The SRA was not that long ago largely restructured (the current version can be downloaded from the NERIS website: <https://eu-neris.net/library/sra-1/156-updated-version-of-the-neris-sra.html>) and several research projects addressing some of the main challenges of the current SRA are currently on-going. However, during the meeting over 20 ideas were launched and discussed. Some of them included new research themes fitting in one of the key research topics, others mainly reformulate some of the existing research question based on new insights.

All ideas have been integrated in a first draft version of an updated SRA which is currently revised by the NERIS R&D Committee and Management Board. A version for further consultation is expected to be ready before summer holidays. Next steps are:

- ▶ A broad consultation process with possible input from all NERIS members, the other radiation protection platforms and international organizations: this is scheduled from 1st of September till 30th September;
- ▶ The compilation of a version with the comments from the consultation process to be discussed during Radiation Protection Week in Stockholm during the R&D Committee Meeting (18 October 2019);
- ▶ The finalization of the updated SRA and the introduction as CONCERT deliverable (November 2019).

Johan Camps – SCK•CEN (Belgium)

RICOMET 2019 : Social Sciences and Humanities in Ionising Radiation Research

1st – 3rd July 2019, Barcelona, Spain

The conference will be hosted by ISGlobal, Barcelona Institute for Global Health (Campus Mar, located in PRBB building). From 1st to 3rd of July 2019, with a post-conference General Assembly of the SHARE Platform 4th to 5th of July 2019. A program and more information are available online on the event's website (<https://ricomet2019.sckcen.be/en>).

The logo for RICOMET 2019 features the text "RICOMET 2019" in a bold, sans-serif font, centered between two horizontal bars. The top bar is yellow and the bottom bar is blue.

Objective

This edition will give attention to societal aspects of different exposure situations and related uncertainties in decision-making. Related research topics include, but are not limited to, individual and collective decision-making, stakeholder engagement and communication aspects of exposures to radon in dwellings, medical applications, NORM and accidental contaminations.

Workshops

- ▶ Bringing Theory to Practice in Environmental Remediation Projects - based on a real ongoing remediation project (1st July 2019)
- ▶ Enhancing stakeholder participation in the governance of radiological risks for improved radiation protection and informed decision making (2nd July 2019)

SHAMISEN-SINGS Parallel meeting : Enhancing citizen participation in radiation measurements and health studies through mobile APPs and devices (2nd July 2019)

This meeting will present progress made by the EU-funded SHAMISEN SINGS project. In collaboration with relevant stakeholders (including the general population), the project aims to: 1) identify needs of stakeholders in terms of dosimetric monitoring, health surveillance, information and communication; 2) review existing APPs and devices addressing these issues; 3) suggest improvements to existing tools that could be used widely or, if necessary, specify the requirements for new ones to respond to the needs of populations affected by nuclear accidents.



Upcoming events

ENGAGE Dissemination workshop

11-13 September 2019, Bratislava, Slovak Republic

The [first announcement](#) can be downloaded on the [ENGAGE website](#). You will find information on the workshop format, registration and accommodation. To register online, please use the following link: [registration to the ENGAGE final workshop](#)

Objectives of the Workshop:

- ▶ To disseminate the best practices in stakeholder engagement for radiation protection issues within and beyond the radiation protection community;
- ▶ To discuss the synthesis report

Topics:

- ▶ Rationales and frameworks for stakeholder engagement in radiation protection
- ▶ Synthesis of the analysis of stakeholder engagement in practice related to medical exposures, post-accident exposures, and exposure to indoor radon,
- ▶ Guidelines/recommendations for building radiation protection culture in views of supporting stakeholder engagement in the governance of radiological risk,
- ▶ Recommendations for stakeholder engagement in radiation protection, according to the three exposure situations
- ▶ Competence building and dissemination



Important dates

- ▶ Second announcement/Programme: May 31, 2019
- ▶ Registration deadline: June 30, 2019

For further information you can contact the hosted Coordinator (Tatiana Duranova – tatiana.duranova@vuje.sk) or the ENGAGE Project (engage@sckcen.be). You can also visit the ENGAGE web page <http://www.engage-concert.eu/>.

4th European Radiation Protection Week (ERPW 2019)

14-18 October 2019, Stockholm, Sweden

Next issue of the European Radiation Protection Week (ERPW₂₀₁₉) will take place on the premises of the Stockholm University, Sweden. The ERPW meetings are open to scientists and decision makers participating in radiation protection research. The ERPW 2019 is jointly organised by radiation protection researchers from the Nordic countries in collaboration with the European platforms and programs.

Registration is open, and the programme is available on the ERPW₁₉ website:

<https://erpw2019.eu/registration.html>

Program

- ▶ Monday 14 October: Business meetings of the platforms (by invitation only).
- ▶ Tuesday 15 - Thursday 17 October: open scientific programme with plenary sessions, 3 parallel sessions and poster sessions
- ▶ Friday 18 October: business meetings of the platforms (by invitation only).



Important dates

- ▶ Abstracts deadline: 14th July 2019
- ▶ Registration deadline: 6th September 2019

Upcoming events

Final event of TERRITORIES

13 – 15 November 2019, Aix en Provence, France

The Final event of the TERRITORIES project will take place in Aix-en-Provence, France on 13th – 15th November 2019. More information will be shared in the coming months on the TERRITORIES website and blog.



The final event, open to TERRITORIES scientists and to stakeholders, aims to:

- ▶ Share findings from the TERRITORIES project, including technical guidance, published and to-be-published along 2019 on: <https://territories.eu/publications>
- ▶ Collect feedback on two deliverables from the project, including one about existing exposure situations due to nuclear accident contamination



Both documents will be sent to registered participants 4 weeks in advance. Please pre-register your interest for this event on https://territories_final.eventbrite.com

Important dates:

- ▶ September: Pre-registered contacts will be invited to confirm their attendance, and to precise which lunch/dinner (included, for free) they will share.
- ▶ Mid-October: Registered participants will receive drafts of both final general guidance documents: one for NORM situations, one for post-accidental situation.

CONFIDENCE Final Workshop

2-5 December 2019, Bratislava, Slovak Republic

Objectives:

- ▶ To disseminate the knowledge acquired and to demonstrate the capability of the developed models, methods, approaches, guides, recommendations and tools,
- ▶ To collect feedback from end users on outputs and remaining research requirements or improvements in models/guides etc. as a feedback to the Platforms to further develop their Strategic Research Agendas and Joint roadmap.



Topics:

- ▶ Model improvement in the pre- and release phase, through uncertainty analysis and propagation with an ensemble approach
- ▶ Reduction of uncertainty in dose assessment for improving situation awareness and risk estimation
- ▶ Radiological modelling: fit for purpose
- ▶ Transition to long-term recovery, involving stakeholders in decision-making processes
- ▶ Social, ethical and communicational aspects of uncertainty management
- ▶ Decision making under uncertainties
- ▶ Education and training
- ▶ Strategic Research Agendas and CONCERT Joint roadmap in view of CONFIDENCE achievements

You can [download the first announcement](#) and [pre-register](#) on the NERIS website, you will find information on registration and accommodation.

Important dates

- ▶ Pre-registration deadline: May 31, 2019
- ▶ Second announcement/Programme: June 30, 2019
- ▶ Registration deadline: September 30, 2019
- ▶ Dissemination workshop: December 2-5, 2019

Upcoming events

IRPA 2020

11 – 15 May 2020, Seoul, Korea

The 15th International Congress of the International Radiation Protection Association (IRPA) will be held in Seoul, Korea, at COEX facilities from 11th to 15th May 2020. Under the theme of "Bridging Radiation Protection Culture and Science –Widening Public Empathy", IRPA 15 will provide invaluable opportunities to discuss and strengthen the correlation between Radiation Protection culture and science, and share developing scientific knowledge and related experiences in radiation protection not only among experts but also with the public.



The following topics will be addressed concerning Emergency Preparedness and Response:

- ▶ International standards and national regulations
- ▶ Radiological, environmental and social impacts of the accident
- ▶ Waste management and remediation strategy
- ▶ Management of contaminated goods
- ▶ Management of occupational exposures
- ▶ Health and environmental surveillance
- ▶ Communication during and after an emergency
- ▶ Transition from an emergency exposure situation to an existing exposure situation

Important dates

- ▶ Abstract submission deadlines:
 - Oral presentation: 30 September 2019
 - Poster presentation: 31 December 2019
- ▶ Full papers(oral/poster) submission deadline: 31 March 2020
- ▶ Early Registration Deadline: 31 January 2020
- ▶ Standard Registration Deadline: 26 April 2020

Save the date!

6th NERIS Workshop & 11th General Assembly

27 – 29 May 2020, Barcelona, Spain

The 6th NERIS Workshop will be organized with ISGlobal (Spain) in Barcelona at Palau Macaya, from 27th to 29th May 2020.

It will be the opportunity to discuss and exchange between NERIS members, international organisations and European Research communities on research developments and priorities for the European NERIS Platform.

The 11th General Assembly of the NERIS platform will take place at this occasion on Wednesday 27th May 2019.

The topic of the workshop will be communicated in the coming months. For further information, please visit the NERIS Website or contact the secretariat at sec@eu-neris.net.



ISGlobal

Barcelona Institute for Global Health