

### Coming events

**13-15 February 2019**

Workshop ENGAGE, Athens, Greece

**18-22 March 2019**

Workshop TERRITORIES, Oxford, United Kingdom

**3-5 April 2019**

5th NERIS Workshop, Roskilde, Denmark

**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



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

■ EDITORIAL

Issue 16 – January 2019

With the publication of this newsletter at the beginning of 2019, I would like to wish to all of you and your relatives all the best for this new year.

In 2019, we will have to take up together several challenges to promote and reinforce NERIS activities. First of all, this year will be marked by the election of the new NERIS Management Board at the occasion of the General Assembly in April. Call for candidates is already open.

At the same time, we will have the 5th NERIS Workshop, hosted by DTU – Nutech, Center for Nuclear Technologies, in Roskilde (Denmark) from 3rd to 5th April 2019. The large number of abstracts received for this workshop will ensure interesting and challenging exchanges between NERIS members, international organisations and European Research communities on research developments and priorities for improving emergency response and recovery preparedness.

As you can see in this newsletter, several European research projects developed within CONCERT project will organize workshops and meetings during this year to finalise and disseminate the results of the research. These projects, CONFIDENCE, TERRITORIES, ENGAGE and SHAMISEN SINGS, will significantly contribute to the three research areas of the NERIS strategic research agenda together with the reinforcement of the cooperation with the other European research platforms in radiological protection.

I also would like to emphasize the importance of looking forward in identifying the needs for further research emerging in Europe with the reinforcement of preparedness for emergency response and recovery in the context of the national implementation of the EURATOM basic safety standards in radiological protection. The forthcoming EURATOM Call on Further integrating Radiation Protection research in the EU (NFRP-2019-2020-12) will open new opportunities in our field in which NERIS should be ready to participate.

Looking forward to meeting you in Roskilde at the beginning of April!

*Thierry Schneider – CEPN – President of the NERIS Platform*



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# Feedback from recent events

**3<sup>rd</sup>** www.erpw2018.com  
Rovinj-Rovigno, Croatia  
1-5 OCTOBER 2018  
**ERPW**  
3<sup>rd</sup> EUROPEAN RADIOLOGICAL  
PROTECTION RESEARCH WEEK



The ERPW 2018 was hosted by the Croatian Institute for Medical Research and Occupational Health (IMROH) gathered more than 250 participants from 34 different countries, with 93 oral presentations and 37 posters.

The program allowed numerous opportunities of discussion between the participants, the different European Platforms, and researchers worldwide.

Students had the opportunity to present their ideas during a Young scientist dedicated session and it motivated experienced researchers to question or advice for the extension of research.

Hosted and organized by:



Partners:



NERIS participated with 4 oral presentations (abstracts can be downloaded from the [Book of Abstracts](#)):

- Involvement of residents living in the vicinity of the Chernobyl exclusion zone in monitoring and interpreting measurement results and the influence of individual behaviours,
- Novel spectrometry systems for radiological early warning networks in Europe - a summary of METROERM results,
- Challenges of radiological/nuclear on-site measurements,
- The importance of mobile units in emergency preparedness and response.



Croatian emergency mobile units

# Information on European projects



## CONFIDENCE

By December 2018, CONFIDENCE is running now 2 years and has progressed as foreseen in the initial work plan. Following a detailed investigation about uncertainty drivers in the early phase mainly related to source term estimation and atmospheric dispersion and deposition, a first test scenario for the NPP Borssele was successfully completed. Here ensemble source terms and ensemble meteorological conditions were applied. Results will be discussed in the stakeholder panels of 2019. Uncertainties in monitoring were explored and a health risk model was developed. The applicability of that model will be further discussed with relevant stakeholders. The uncertainty study of the foodchain model FDMT was completed and key parameters identified. This will help in discussing possible improvements by process-based models that are under investigation at present. Experimental work on iodine was completed.



Many national panels on countermeasure strategies discussing among others the role of uncertainties in the decision making process have been performed and a summary report on the findings is under preparation. A Delphi study is still ongoing to collect information about stakeholder involvement and decision-making in Europe. Case studies and observation of emergency exercises are in progress. Survey data in Belgium, Spain and Norway have been collected to investigate the response of the population to requests from authorities. A second prototype of the multi-criteria decision aiding software that includes uncertainty processing of model results and of preferences of decision makers became available for distribution. At present, work on the improvement of the negotiation process in the agent based modelling system aiming to understand better the decision process, is ongoing.

Finally first training workshops were prepared and the first will be conducted in May 2019 in Trnava, Slovak Republic.

*Wolfgang Raskob – KIT – CONFIDENCE Project leader*



## TERRITORIES

On 12th of December 2018, the first “stakeholders panel” of TERRITORIES WP3 was organized in Bordeaux (France), by two TERRITORIES partners ([IRSN and CEPN](#)), and the [local commission \(CLIN\) of Le Blayais Nuclear Power Plant](#).

This panel of local stakeholders, looked into the medium- and long-term challenges after an hypothetical accident, and the socio-economic uncertainties facing these stakeholders, in light of their local knowledge.

On the day before, on 11<sup>th</sup> of December, a seminar had enabled actors in the Bordeaux region to talk to their counterparts from Japan and Belarus involved in the long-term rehabilitation after the Fukushima-Daiichi and Chernobyl accidents. The reports mainly related to the difficulties and challenges for agriculture in how it deals with the long-term consequences of the post-accident situation. They presented their experiences of the remedial measures taken in the sector and the conditions and difficulties with regard to the resumption of agricultural activities after an accident.



Participants of the stakeholder panel

**Under TERRITORIES WP3**, similar stakeholders panels will be organized in Spain and Belgium to cover different long-term situations (NORM). For further information, please follow updates on the [TERRITORIES blog](#) and the [website](#).

# Information on European projects

## SHAMISEN-SINGS

A workshop on "Preparedness to Nuclear and Radiological emergencies: Keys to improve it" with participation of Spanish stakeholders was organised by SEPR (Spanish Society of Radiological Protection), in collaboration with ISGlobal, UPM and CIEMAT in Madrid. The workshop took place on 21st September and was hosted by UPM.

About 40 participants, representing a wide spectrum of organizations and stakeholders, including authorities (CSN – Nuclear Safety Council), participated in the Workshop with the goal of identifying strengths and limitations in the preparation of emergency response and post-accident recovery in Spain. They gathered together to work jointly on the questions of emergency preparedness, sharing their own opinion, visions and experiences. Past and current European projects were presented: EURANOS; NERIS-TP; PREPARE; SHAMISEN; CONFIDENCE, SHAMISEN SINGS and ENGAGE.

The Workshop was a success and received a positive feedback from all participants who worked in groups to extract useful conclusions. Results are in preparation and will be soon published in the SEPR journal (in Spanish) and later in the European community (in English).



Participants of the Seminar on "Preparedness to Nuclear and Radiological emergencies: Keys to improve it" (SEPR)

For 2019:

- ▶ On 2nd July a parallel session during RICOMET 2019 is organized to have stakeholders' feedback for the project progress data report.
- ▶ A stakeholder workshop on Ethics issues is organized on 23<sup>rd</sup>-24<sup>th</sup> May 2019, in Oslo, Norway.

You can find more information on the SHAMISEN-SINGS [website](#).

# Upcoming events

## Workshop on the Development of Radiological Protection Culture to Support the Governance of Radiological Risk (ENGAGE WP3)

13 – 15 February 2019, Athens, Greece



The Greek Atomic Energy Commission (EEAE) will host the meeting of the ENGAGE – WP3 Workshop. It will gather around 35 persons, from ENGAGE partners as well as invited stakeholders. The objectives are to share the results of the case studies developed in the WP3 and to initiate the elaboration of guidelines/recommendations for the building of radiological protection culture in view of improving stakeholder engagement in the governance of radiological risk.

Contact: [Caroline Schieber](#), CEPN

The workshop will take place at EEAE premises

## Workshop on assessing risks from radioactive legacy sites and how to better present uncertain information

19-20 March 2019, Queen's College, Oxford, UK

The objective of the workshop is to discuss the risk assessment process as applied to radioactively contaminated legacy sites and how to better present the assessment findings and associated uncertainties to stakeholders.

The workshop will show how the risk assessment process has been applied to a real site in the UK. The workshop discussions and presentations are intended to be of interest to students (final year, MSc, PhD) and those in early career stage in the field of radiological protection and nuclear sciences, particularly radioecology and environmental impact assessment, and therefore their participation is encouraged.

The agenda is available [TERRITORIES website](#). Please note that registrations are closed.



Queen's College, Oxford, UK

# Save the date!

## 5<sup>th</sup> NERIS Workshop :

**Key challenges in the preparedness for emergency response and recovery of a nuclear or radiological event**

**3 – 5 April 2019, Roskilde, Denmark**



**DTU Nutech**  
Center for Nuclear Technologies

The NERIS Workshop 2019 will be dedicated to “Key challenges in the preparedness for emergency response and recovery of a nuclear or radiological event” and will address 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

In addition, a specific session will be held on:

- ▶ Challenges in estimating the source term and operational radiological picture (on-site versus off-site)

Note that for the second time, the NERIS Platform sets up the ‘NERIS Young Scientist Award’ to promote young people whose professional or scientific works have been noted for their quality and originality.

[Online registration](#) is now open until 22<sup>nd</sup> March, and a [programme](#) is available on the NERIS website. Don’t wait to book rooms since Roskilde is in high demand in April ! You will find more information on venue, accommodation and travel by downloading the [information booklet](#).

You can also [register to the 10<sup>th</sup> General Assembly](#), in that case don’t forget to send [a registration form](#) to the Secretariat.

## **RICOMET 2019 : Social Sciences and Humanities in Ionising Radiation Research**

**1<sup>st</sup> – 3<sup>rd</sup> July 2019, Barcelona, Spain**

The conference, RICOMET 2019 - Social Science and Humanities in Ionising Radiation Research, 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.

For more information, please visit the [RICOMET 2019 website](#).



# Save the date!

## ENGAGE Dissemination workshop

11-13 September 2019, Bratislava, Slovak Republic

### 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

### Addressed to:

Stakeholders from related fields (medical, post-accident and indoor radon exposures), and from civil society that in any form have a stake in radiation protection decision making processes are encouraged to participate in this workshop.

### Topics of workshop:

- ▶ 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, and
- ▶ Recommendations for stakeholder engagement in radiation protection, according to the three exposure situations
- ▶ Competence building and dissemination

### Venue:

Lindner Hotel Gallery Central in Bratislava, Metodova 4, Slovak Republic. (<https://www.lindner.de/en/bratislava-hotel-gallery-central/welcome.html>) .

### Important dates

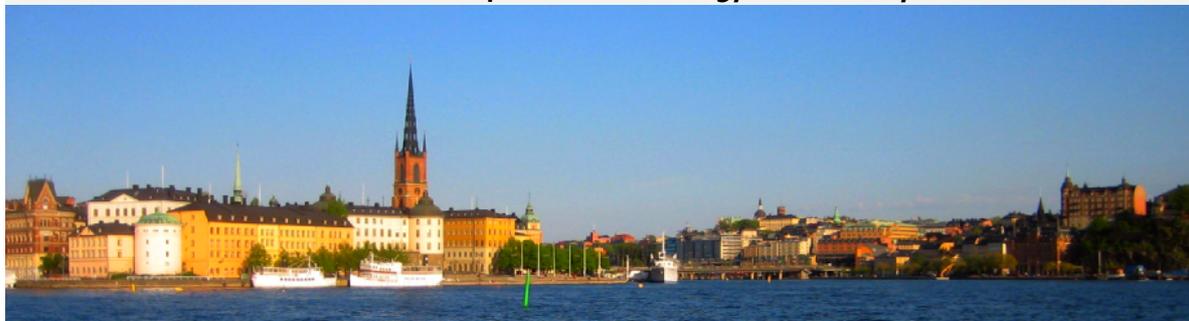
- ▶ Second announcement/Programme: May 31, 2019
- ▶ Registration deadline: June 30, 2019
- ▶ Dissemination workshop: September 11-13, 2019

The **first announcement** with information on **registration** and **accommodation** will be available shortly on the NERIS website. For further information you can contact the hosted Coordinator (Tatiana Duranova – [tatiana.duranova@vuje.sk](mailto:tatiana.duranova@vuje.sk)) or the ENGAGE Project ([engage@sckcen.be](mailto:engage@sckcen.be)). You can also visit the ENGAGE web page <http://www.engage-concert.eu/>.



# Save the date!

## 4<sup>th</sup> 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 will open on May 2019.

For more information, please visit the ERPW 2019 website : <http://www.erpw2019.eu/index.html>



### Final event of TERRITORIES

13 – 15 November 2019, Aix en Provence (France)

We are pleased to announce that the Final event of the TERRITORIES project will take place in Aix-en-Provence, France on 13<sup>th</sup> – 15<sup>th</sup> November 2019. More information will be shared in the coming months on the TERRITORIES website and blog.



# Save the date!

## 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.

### Addressed to:

Actors in emergency and recovery preparedness and management from all levels and sectors are encouraged to participate in this workshop. Decision makers, advisors, researchers and stakeholders at the various levels (national, regional, local) within the decision making process at post release and transition phase of a nuclear/radiological accident.

### Topics of workshop:

- ▶ 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

### Venue

The dissemination workshop will take place from December 2-5, 2019 in premises of [Lindner Hotel Gallery Central](#) in Bratislava, Metodova 4, Slovak Republic.

### Further information

The **first announcement** will be available shortly on the NERIS website with further information on **accommodation** and **registration** ([www.eu-neris.net](http://www.eu-neris.net)). For further information please contact the hosted Coordinator (Tatiana Duranova – [tatiana.duranova@vuje.sk](mailto:tatiana.duranova@vuje.sk)) or the NERIS Secretary (Eymeric Lafranque – [sec@eu-neris.net](mailto:sec@eu-neris.net)).

### 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

