

19-23 September 2016

Radiation Protection Week, Oxford, United Kingdom

22 September 2016

Twenty-first Management Board of NERIS, Oxford, United Kingdom

15-17 May 2017

EAN - NERIS Workshop on optimization & emergency, Lisbon, Portugal

17-19 May 2017

NERIS Workshop, Lisbon, Portugal

17 May 2017

Eighth NERIS General Assembly, Lisbon, Portugal



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

EDITORIAL

Issue 11 - May 2016

The PREPARE dissemination workshop has demonstrated the vitality of the NERIS community and the necessary research developments in the field of emergency and recovery in the context of the commemoration of the 30th anniversary of the Chernobyl accident and the 5th anniversary of the Fukushima accident. For the future, further developments are expected particularly for improving the decision making processes, including modelling issues, tools developments and societal considerations.

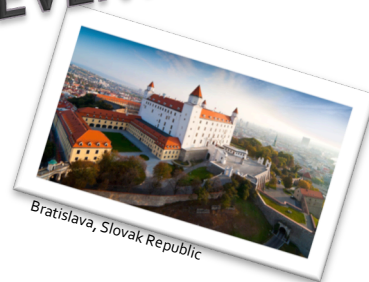
A new management board has been elected for the next three years and I am pleased to continue to serve NERIS as president of the Platform for this period. The main challenges identified for the NERIS Platform for 2016 are:

- The publication and dissemination of the results of the PREPARE project.
- The organisation of the cooperation between the research organisations for responding to the first CONCERT research call.
- The preparation of the roadmap for the implementation of the NERIS Strategic Research Agenda.
- The participation to the first European Radiation Protection Week to be held in Oxford in September 2016.
- The activities within the NERIS working groups notably with the creation of a new working group on information and communication.
- The development of the cooperation with Japanese and international organisations.

I rely on all of you to achieve these challenges and reinforce the quality of the NERIS Platform.

Thierry Schneider, President of the NERIS Platform

FEEDBACK FROM RECENT EVENTS



Seventh NERIS General Assembly

18 participants from 14 countries attended the Seventh NERIS General Assembly which was held on January 19, 2016 at the occasion of the PREPARE Dissemination Workshop in Bratislava.

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 election of the new members of the Management Board was also organized. Information on the OPERRA and CONCERT Project were given and the perspectives of the Platform notably through the possible cooperation were discussed. In addition a new Working Group on Information and Communication was created with a double main goal, of elaborating and helping to disseminate and implement the recommendations coming from the PREPARE Project (WP6 and WP3), and to further disseminate and activate the use of the newly developed "Analytical Platform".



Newsletter

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May 2016 >>

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FEEDBACK FROM RECENT EVENTS...



Final PREPARE Workshop on contaminated goods **12-13 November 2015, Paris**

In the framework of the PREPARE Project (Workpackage 3) dedicated to the management of contaminated goods, a final Workshop was organised on 12-13 November 2015 at OECD Headquarters in Paris. This Workshop, attended by 90 persons, was an opportunity to discuss and share the PREPARE WP₃ results (lessons and conclusions of the Panels meetings organised in 11 countries), in the presence of national stakeholders (consumers, producers, retailers...), international organisations (European Commission, FAO, OECD-NEA, IAEA, HERCA, ICRP) and Japanese colleagues involved in the management of contaminated products after the Fukushima accident (CRIEPI, University of Fukushima, producers and consumers NGO's...). Sessions were organised around the main points tackled by the different national stakeholders such as: the preparedness modalities, the management of consumer goods production with the justification of maximum permissible levels and the implementation of optimization of radiological protection principle, the dissemination of information to different publics and the stakeholder participation processes, the role of the market and organization of the trade, the ethical considerations and the development of solidarity. The stakeholders expressed three main messages:

- 1) Everything must be done to avoid any accident. Indeed according to the panellists, citizens are victims first, and they are not responsible for the situation arising from the accident.
- 2) A post-accident situation would be totally new for everyone. This is so unexpected that it would lead to a loss of references and values for all the people. Upstream preparedness - before an accident occurs - is obviously crucial, but nobody will be fully ready if it happens.
- 3) The concept of Maximum Permitted Levels (MPLs) is useful but questionable. According to the stakeholders, MPLs are needed but their rationale is complex to understand. The definition and values of MPLs must be flexible and need to be adapted to the actual situation. They should be based on monitoring results as soon as possible, and should follow a graded improvement process.

Sylvie Charron – IRSN

PREPARE Dissemination Workshop **20-22 January 2016, Bratislava**

The PREPARE Dissemination workshop was organized jointly with the VUJE AS and Science and Technical Society (VTS) at VUJE in close cooperation with PREPARE Project contractors and NERIS Platform Management Board and Secretariat. The PREPARE dissemination workshop was held at Park Inn Danube Hotel in Bratislava (Slovak Republic) on January 20-22, 2016.

There were 112 participants at the workshop representing twenty-four countries. Participants came from Austria, Belarus, Belgium, Denmark, Finland, France, Germany, Greece, Hungary, Italy, Ireland, Japan, The Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine and United Kingdom.

The main objective of the PREPARE Dissemination workshop was to allow to present the results of the PREPARE project and to collect feedback from the participants on the topics of potential future research activities, to disseminate the knowledge acquired during the project as well as the capability of the developed methods and tools in particular those of the Analytical Platform for collecting information, analysing any nuclear or radiological event and provide information about the consequences and its future development.

The targeted audience of the workshop were researchers, organisations and actors in emergency and recovery preparedness and management from all levels and sectors.

(...)

FEEDBACK FROM RECENT EVENTS...

PREPARE Dissemination Workshop, **20-22 January 2016, Bratislava (...)**



Plenary sessions and demonstrations have been organized under the following structure:

- Review and investigation of the operational arrangements and procedures (emergency preparedness for long lasting releases and management of consumer goods);
- Enhancing of the existing decision support systems with capabilities of importance (estimation of the source term, atmospheric and aquatic dispersion and consequence modelling);
- Improved means for the interaction of technical experts with authorities in charge of communication from and to the public and the training of key players;
- Unique Analytical Platform of European dimension being a focal point for collecting information, analysing any nuclear or radiological event and providing information about the consequences which supports experts in evaluating an on-going event;
- Integrative tools and platforms and their role within the common road map on radiation research in perspective of European research programme Horizon 2020.

Besides presentations about the scientific work performed, also demonstrations of tools developed were given. This includes the Analytical Platform and the new simulation capabilities of ARGOS and JRodos related to atmospheric and aquatic modelling.

In cooperation with the NERIS Platform, discussion on integrative tools and platforms and their role within the common road map on radiation research in perspective of the European research programme Horizon 2020 concluded the workshop. This related also to the NERIS Strategic Research Agenda where European research needs are defined. The common road map on radiation research was discussed with European and International organisations, such as IAEA, ICRP, OECD/NEA, and HERCA.

Tatiana Duranova – VUJE and Wolfgang Raskob – KIT

Shamisen Workshop in Fukushima **5-7 March 2016, Fukushima**

SHAMISEN is an European research project under the OPERRA project that will develop recommendations for medical and health surveillance of populations affected by previous and future radiation accidents, building upon lessons learned from experiences with populations affected by Chernobyl, Fukushima and other nuclear emergencies. On 5 to 7 March, within the SHAMISEN project, Fukushima Medical University (FMU) organized a workshop dedicated to lessons learned from the Fukushima accident. In this way, collaborator from FMU and other Japanese organizations presented the work conducted in the last 5 years to measure doses, follow affected populations and provide support and understand the concerns of affected populations. The last day of the workshop was dedicated to site visits with first the damaged power plant, then the Suetsugu village where the evacuation order was lifted and part of the population has returned.



During these 3 days, medical and public health professionals, radiation protection experts and local stakeholders were brought together to discuss many topics such as: ethical and sociological aspects of the health surveillance systems, the social stigma and psychological and health consequences arising from them, countermeasures and efforts to implement them, etc.

Pascal Croüail, Thierry Schneider, Mélanie Maître – CEPN

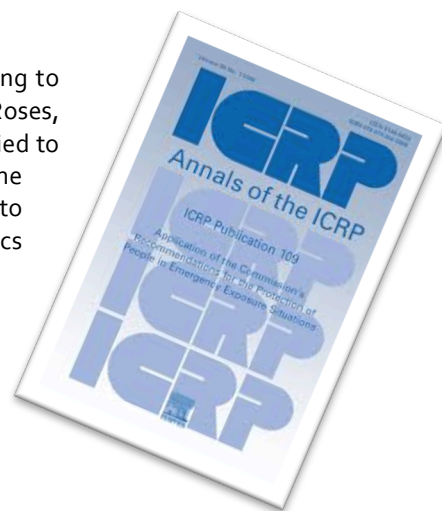
FEEDBACK FROM RECENT EVENTS...



WG ICRP meeting, 11-12 April 2016, Fontenay-aux-Roses

In April 11 and 12, the ICRP working group of NERIS and the ICRP task group 84 aiming to revise the publications 109 and 111 have met at the CEPN premises in Fontenay-aux-Roses, France. 21 members of the WG and task group have discussed the existing draft and tried to identify issues that might require further refinement in the document. Members of the ICRP WG of NERIS focused on the operational aspects and the necessary guidance to implement the strategic view of ICRP in the national procedures. Hot discussion topics were the reference levels, triggers, optimisation procedures, stakeholder involvement and link to documents issued by other international organisations such as the IAEA and European Commission. Key comments have been transmitted to the ICRP Task group in writing. It was also proposed to further interact and the following items were identified for consideration:

- Evacuation issues – how far to implement?
- Information on EAN-NERIS workshop on optimisation (May 2017);
- Further exchange on respective activities during the ICRP Symposium to be held in Paris in 2017 (9-13 October 2017);
- Disseminate the draft document for consultation within NERIS when available and collect comments – proposal to prepare NERIS ICRP WG response to the open consultation.
- Possibility to organise a workshop in the future when the countries will have the results of their implementation of BSS in 2018 or 2019;



Wolfgang Raskob - KIT



HARMONE Project

Beginning of November 2015, HARMONE started as integral part of the European OPERRA project. It will last for 18 months and consist of six research partners (HMGU, IRSN, KIT, PHE, SCK•CEN, UCEWP) and three advisory organizations (BfS, IAEA, RIVM). HARMONE aims to reduce scientific, methodological and operational gaps identified in the strategic research agendas of the four European Platforms in the area of radiation protection and issued as TOPIC 2 of the OPERRA-2014 Call: "Spatial and temporal environmental modeling and human dose assessment after a nuclear accident".

HARMONE aims to harmonize and expand the modeling approach of the European decision support systems (DSS) RODOS and C3X/SYMBIOSE. To achieve this goal, the project will deal with many possible release scenarios, environmental characteristics and shortcomings on information in the early phase of an emergency. To adapt the models better to the environmental conditions all over Europe, geographical and climatic influences on regional fishing and farming practice will be assessed. It is then planned to divide Europe into regions with common radioecological characteristics, collect the relevant data and implement them as generic information in the DSS. Aquatic, groundwater, snow melt, forest and terrestrial models in these DSS will be updated with the new data sets and their implementation improved.

Uncertainty analysis of the SYMBIOSE models can be done to identify relevant exposure pathways, parameters and FEP for the different scenarios and regions. Results from this process may suggest improvements in monitoring strategies, which are also part of HARMONE. With this information, recommendations for the monitoring of radiological parameters necessary for the DSS after radiological incidents can be developed. Finally, the project will develop a knowledge data base and guidance that allows, according to the first event description, to propose a first management strategy to reduce doses and highlights potential issues for the dose assessment.

Wolfgang Raskob – KIT



NEWS



Renewal of the Management Board

At the occasion of its General Assembly, representatives of the NERIS supporting organisations have elected the new management board for the next 3 years. The new Management Board is:

- **Spyros Andronopoulos** (NCSRD – Greece)
- **Johan Camps** (SCK-CEN – Belgium)
- **Tatiana Duranova** (VUJE – Slovak Republic)
- **Florian Gering** (BfS - Germany)
- **Eduardo Gallego** (UPM – Spain)
- **Olivier Isnard** (IRSN – France)
- **Christophe Murith** (FOPH – Switzerland)
- **Deborah Oughton** (NMBU – Norway)
- **Wolfgang Raskob** (KIT – Germany)
- **Thierry Schneider** (CEPN – France)

The following bureau was also nominated for the 3 following years:

- **Chair:** Thierry Schneider (CEPN – France)
- **Vice-Chair:** Florian Gering (BfS - Germany)
- **Secretary:** Deborah Oughton (NMBU – Norway)
- **Treasurer:** Wolfgang Raskob (KIT – Germany)

ANNOUNCEMENTS



University of Oxford Colleges, UK

Radiation Protection Week 19-23 September 2016, Oxford



For the first time, RPW2016 will bring together complementary strands of radiation protection research, with the established European platforms MELODI, EURADOS, NERIS and ALLIANCE as co-organisers, along with other relevant areas.

RPW2016 will be held in Oxford, UK; the meeting will be held in the Mathematical Institute located in the recently re-developed Radcliffe Observatory Quarter of Oxford University; accommodation will be available in nearby St Anne's College.

Registration and fee: <https://www.phe-protectionservices.org.uk/rpw/>

ANNOUNCEMENTS



European ALARA Network – NERIS Workshop on ALARA in emergency and recovery situations, 15-17 May, Lisbon

At the occasion of the NERIS General Assembly in January 2016, it was decided to cooperate with European ALARA Network for the organisation of a dedicated workshop on ALARA in emergency and recovery situations. Representatives of NERIS will be involved in the programme committee.

The workshop will be held in Lisbon on 15-17 May 2017, hosted by IST.

NERIS Workshop, 17-19 May 2017, Lisbon

The third NERIS Workshop will be held in Lisbon hosted by APA from 17 to 19 May 2017. This workshop will provide the opportunity to present and discuss the results of the research and experience in the field of emergency and recovery response and preparedness. Call for abstract will be open in the following months.

Training course on “Late Phase Nuclear Accident Preparedness and Management”, 19-23 June 2017, Gomel



The Training Course on “Late Phase Nuclear Accident Preparedness and Management” is organised by the Nuclear Protection Evaluation Center (CEPN - France) and the Institute of Radiology (RIR - Belarus) in cooperation with the European platform NERIS on emergency and post-accident preparedness and response. The course will take place from June 19-23, 2017 at the Institute of Radiology (RIR) in Gomel, Belarus.

The main objective of the course for late phase nuclear accident preparedness and management is to provide principles and practical guidance for the key players involved in the preparedness and recovery of living conditions in contaminated areas in the aftermath of a nuclear/radiological accident. The course offers a comprehensive overview of the various dimensions and challenges of the long-term rehabilitation. It includes also practical elements for the implementation of countermeasures for managing long-term contaminated rural and urban environments, notably through the planning of direct meetings and dialogue with local stakeholders (inhabitants, pupils, local authorities, etc.) living in the areas affected by the Chernobyl accident.

The course is based on international recommendations and on the material produced and developed in several European and international projects: ETHOS, SAGE, FARMING, CORE, EURANOS, NERIS TP, PREPARE etc. as well as the first results obtained under SHAMISEN program. The course is made of lectures, practical working sessions, technical visits and discussions. It strongly relies on the practical experience of Belarussian organisations in the management of the Chernobyl consequences as well as on the first lessons from the management of the consequences of the Fukushima accident.

Registration : Deadline on April 15, 2017. Limited to 24 participants.

For program, registration and further information, please visit the NERS Website or contact the coordinators (Sylvain Andresz - sylvain.andresz@cepn.asso.fr - and Pascal Croüail - pascal.crouail@cepn.asso.fr -).