



**16-20 March 2015**

International Training Course on "Preparedness and Response for Nuclear and Radiological Emergencies", Mol, Belgium

**27-29 April 2015**

NERIS Workshop 2015, Milano, Italy

**29 April 2015**

Sixth NERIS General Assembly, Milano, Italy

**21-25 September 2015**

Training Course "Late Phase Nuclear Accident Preparedness and Management"

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

## EDITORIAL

Issue 8 - November 2014

Since its creation in 2010, NERIS has engaged a reflection with the different stakeholders to identify the needs for further research in emergency and recovery issues and has favoured the dissemination and discussion on these issues mainly through working groups, topical workshops, and training courses. The NERIS 2015 Workshop to be held in Milano on April 2015 will be a unique opportunity to challenge the research areas structuring the NERIS Strategic Research Agenda, revised in April 2014, and to exchange the views of the different stakeholders on these issues. During the last years, intensive reflections have been developed notably within the framework of the European NERIS TP research project, ended in January 2014. In addition, the first lessons from the management of the consequences of the Fukushima accident are progressively drawn by National, European and International organisations as well as within the ongoing European PREPARE research project. In this context and while establishing cooperation with the European Platforms on Radiation Protection research, the NERIS 2015 Workshop will provide a good forum for elaborating the next steps to be reached in research programmes on emergency and recovery issues at the service of the stakeholders. Therefore, I rely on you to participate and contribute to this workshop in order to establish a relevant and efficient roadmap for the following years.

*Thierry Schneider, President of the NERIS Platform*

## FEEDBACK FROM RECENT EVENTS



Geneva, Switzerland

### Fifth NERIS General Assembly

26 participants from 15 countries attended the Fifth NERIS General Assembly, which was held on June 27, 2014 at the occasion of the Fourth European IRPA Congress in Geneva. The General Assembly allowed to discuss on membership, financial issues, the NERIS activities, the development of the PREPARE Project, the consultation process of the updated NERIS Strategic Research Agenda and the future NERIS activities through the Memorandum of Understanding between the European research Platforms on Radiation Protection R&D. In the framework of the organisation of the European Joint Programming, the proposal of the Management Board to introduce a reference to the implementation of research in the statutes of the Platform was adopted unanimously. In addition, all participants to the NERIS General Assembly welcomed the proposal to organise a NERIS Workshop in April 2015 in Milano (see the Announcements).

# FEEDBACK FROM RECENT EVENTS...



## ☐☐ The international training course on "Preparedness and response for nuclear and radiological emergencies", Mol, March 17-21, 2014

In the context of the FP7 project PREPARE ("Innovative integrative tools and platforms to be prepared for radiological emergencies and post-accident response in Europe"), two basic courses have to be organised addressing the training needs of key players along the entire cycle of nuclear/radiological emergency management. The 2014 edition of this course took place in Mol (Belgium) on March 17-21, 2014 and enjoyed participation from 14 countries. The 31 participants belonged to regulatory authorities, technical support organisations, research institutes, first responders and other actors involved in emergency management.

The course on "Preparedness and Response for nuclear and radiological emergencies", focuses on the early to intermediate phases after a nuclear/radiological accident and is organised by the Belgian Nuclear Research centre SCK•CEN in close collaboration with European actors participating in the NERIS platform.

The core of the course consisted of lectures on radiological evaluations; principles of intervention; planning and organisation in off-site emergency response; factors influencing decisions; decision support tools; European and international agreements and legislation; crisis communication and stakeholder involvement.

Two exercise sessions were organised, one focusing on radiological assessments and being supported by the decision support system RODOS, the other a more extensive table top exercise with a simulated accident scenario.

The Fukushima accident was a transversal theme, addressed in several of the lectures: atmospheric dispersion, international recommendations and regulations for the protection of the public, transfer to the food chain, communication and others.

**The next edition is foreseen on March 16-20, 2015 (see Announcement).**

*Catrinel Turcano, Johan Camps – SCK-CEN*

## ☐☐ Training course on "Late Phase Nuclear Accident Preparedness and Management", Gomel, September 15-19, 2014

Last September, in the framework of the EC FP7 "PREPARE" Project, the international training course on "Late Phase Nuclear Accident Preparedness and Management" was organised in Gomel (Belarus) by the Nuclear Protection Evaluation Centre (CEPN - France), together with the Research Institute of Radiology (RIR - Belarus) and the NERIS Platform.

The course offered a comprehensive overview of the various dimensions and challenges of the long-term rehabilitation process after a nuclear event, and also provided practical elements for the implementation of late phase countermeasures for dealing with rural and urban contaminated environment. A particular attention was given to "stakeholder engagement" approaches to initiate preparedness processes to favour the implication of the inhabitants in their own protection as well as in decision making process related to the redeployment of social and economic activities in the affected areas in case of an accident.

The course was based on international recommendations and on the material produced and developed in several European and international projects: ETHOS, SAGE, FARMING, CORE, EURANOS, NERIS TP and PREPARE. It included lectures from professionals, practical working sessions and discussions with local and regional authority representatives as well as inhabitants who are engaged in long-term recovery, in the Chechersk and Braguin districts affected by the Chernobyl accident. It also relied on the practical experience of Belarussian organisations in the management of the consequences of the accident as well as on the first lessons from the management of the consequences of the Fukushima accident.

17 trainees and 14 trainers from 12 countries (Belarus Rep., Belgium, Czech Rep., Finland, France, Ireland, Italy, Japan, Norway, Poland, Slovak Rep., Switzerland) participated to this training course.

(...)

# FEEDBACK FROM RECENT EVENTS...



Gomel, September 2014

## Training course on “Late Phase Nuclear Accident Preparedness and Management”, Gomel, September 15-19, 2014 (...)

The organisers would like to specifically thank for their participation the Belarusian Ministry of Emergency Situations, the Gomel Regional Executive Committee (Department for Recovery from the Chernobyl Accident Consequences), the Russian-Belarusian Information Centre on the problems linked with the catastrophe at Chernobyl NPP in Minsk, the Republican Research Centre for Radiation Medicine and Human Ecology in Gomel, the Stolyn Regional Hospital and the International Commission on Radiological Protection.



**The next edition is foreseen on September 21-25, 2015 in Gomel (see Announcement).**

*Pascal Croüail, Thierry Schneider - CEPN*

## Cooperation with MELODI, ALLIANCE and EURADOS at the occasion of the Sixth International MELODI Workshop, Barcelona, October 7-9, 2014

The NERIS Platform was invited to attend the Sixth International MELODI Workshop, jointly organized by CREAL (the Centre for Research in Environmental Epidemiology, Barcelona), the University Autónoma of Madrid and the University Rovira i Virgili (Tarragona) on 7 - 9 October 2014 in the Barcelona Biomedical Research Park (PRBB). At this occasion, NERIS exchanged with the European research platforms.

In the framework of the MOU between MELODI, ALLIANCE, EURADOS and NERIS, it was decided to prepare a joint paper between the 4 platforms to be submitted in a journal to describe the specificities of the platforms SRAs and their synergies. Transversal issues were notably discussed in terms of addressing the effect of chronic exposures, taking into account the multi-stressors, considering approaches on stakeholder involvement, communication, social science issues, and ethical issues.

The second OPERRA call will be issued on December 15, 2014 with a deadline for the responses on March 12, 2015. The call will be focused on synergetic topics for at least 2 European research platforms.

The CONCERT proposal has been submitted on September 17, 2014 involving the 4 platforms. The response from the EC is expected beginning of December 2014, for a beginning of the project, if successful, in March 2015 and a first open call for proposals on the different domains of radiation protection possibly in December 2015.

*Thierry Schneider – President of the NERIS Platform*

# NEWS



## Second set of recommendations from the Japan Health Physics Society on radiation protection issues after Fukushima accident

At the 4th Asian and Oceanic Congress on Radiation Protection on 12-16 May 2014 in Malaysia, which is a regional congress of IRPA, Japan Health Physics Society (JHPS) discussed the important issues associated with radiation protection in the aftermath of the Fukushima Daiichi nuclear disaster, following their activities of the first set of recommendations on their website at <http://www.jhps.or.jp/en/wp-content/uploads/2011/12/53224f1dbbc1063ffff46bb5cc3fa01c.pdf> summarizing their discussion on nuclear emergency preparedness and its criteria, public exposure, internal dose assessment and radioactive waste management.

They are being further investigated from the viewpoint of environmental radiation monitoring, prediction system and methodology of the diffusion of radioactive materials in the environment, framework of the evacuation of residents with criteria, communication and designation of evacuation zone for radiation protection, radiation protection criteria for foods and drinks, actual radiation exposure of residents and of plant recovery workers, risk communication to the public and the appropriate nuclear emergency preparedness, etc.

The progress of their discussion is available at [http://www.jhps.or.jp/AOARP/Calendar\\_files/Sugiyama.pdf](http://www.jhps.or.jp/AOARP/Calendar_files/Sugiyama.pdf) and the second set of recommendations will be published soon.

Haruyuki Ogino - CRIEPI

# ANNOUNCEMENTS

## International Training Course on "Preparedness and Response for nuclear and radiological emergencies", March 16-20, 2015

The next edition of the Training Course on "Preparedness and response for nuclear and radiological emergencies", organised by the Belgian Nuclear Research Centre SCK•CEN in the framework of the FP7 project PREPARE and the European platform NERIS on emergency and post-accident preparedness and response, with support from the SCK•CEN Academy for Nuclear Science and Technology, will take place from **March 16-20, 2015 in Mol, Belgium**.

This Course is focused on the early to intermediate phases after a nuclear or radiological accident (*see objectives and contents of the Course in the article above on "Feedback from recent event"*).

The course is limited to 25 participants. For registration, please use the [course website](#).

For further information, please contact [Catrinel Turcanu](#) or [Johan Camps](#) from SCK-CEN and visit the [NERIS Website](#).

# ANNOUNCEMENTS



## NERIS Workshop 2015, April 27-29, 2015, Milano

This Workshop, organised in cooperation with the University of Milano, **will cover the State of the art and Needs for further research for emergency and recovery preparedness and response.**

The NERIS Workshop 2015 will provide an opportunity to **discuss and exchange with NERIS Members, International organisations and European Research communities on priorities for the NERIS Platform.**

**Plenary sessions will be organised on topics related to the 3 research areas of the NERIS SRA:**

- New challenges in atmospheric & aquatic modelling – Needs for improvement.
- New challenges for better dose assessments and decision support based on improved knowledge: source term, scenarios, etc.
- New challenges in stakeholder involvement and local preparedness and communication strategies.

**Registration before March 31, 2015**

### Participation Fees:

Participation fees will be requested for the organization and the Workshop dinner:

- **200€ for NERIS supporting organisations**
- **250€ for NERIS members or other organisations**

### Venue and accommodation

The Workshop will be held at Palazzo Greppi, room "Sala Napoleonica" - Via S. Antonio 12 – 20122 Milano

### Call for abstract

You are encouraged to submit an abstract for oral or poster presentation on emergency and recovery preparedness and response. All topics related to the 3 research areas of the NERIS SRA are welcomed.

**New abstract submission deadline: December 15, 2014.**

*For registration, call for abstract and further information, please visit the NERIS Website ([www.eu-neris.net](http://www.eu-neris.net)) or contact the NERIS Secretary (Sandra Lafage - [sec@eu-neris.net](mailto:sec@eu-neris.net)).*

## Sixth NERIS General Assembly, April 29, 2015, Milano

The sixth NERIS General Assembly will be organised at the occasion of the NERIS Workshop in Milano on April 29, 2015 afternoon.

For registration and further information, please visit the NERIS Website ([www.eu-neris.net](http://www.eu-neris.net)) or contact the NERIS Secretary (Sandra Lafage - [sec@eu-neris.net](mailto:sec@eu-neris.net)).

# ANNOUNCEMENTS



## Training Course “Late Phase Nuclear Accident Preparedness and Management”, September 21-25, 2015

The second edition of the training course on “Late Phase Nuclear Accident Preparedness and Management” will take place from **September 21-25, 2015 in Gomel, Belarus**. The course, limited to 24 participants, is organised by the Nuclear Protection Evaluation Centre (CEPN - France) and the Institute of Radiology (RIR - Belarus) in cooperation with the European platform NERIS on emergency and post-accident preparedness and response, in the framework of the EC FP7 “PREPARE” Project.

### Objectives

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 for rehabilitation of living conditions in contaminated areas in the aftermath of a nuclear/radiological accident.

### Target audience

- Technical and radiological advisors (radiological protection and safety authorities)
- Health physicists
- Health and food safety authorities representatives
- Personal staff and professionals responsible for the overall policy and organisation of rehabilitation at the national and local levels
- Civil protection officers and emergency workers
- As well as all other interested persons

### Registration

Registration is available at the following link:

<http://www.planetReg.com/E1024817161049> or on the NERIS Website

**Deadline: 15 July 2015**

*There is no registration fee, however, participants are expected to cover their own travel and subsistence costs (including meals, hotel room and Visa costs).*

### Venue & hotel accommodation

The course is held at the Institute of Radiology (RIR), Fedyuninskogo street, 16, 246000 GOMEL, Belarus Republic.

Information on accommodation will be given after registration.

For further information, please visit the NERIS Website ([www.eu-neris.net](http://www.eu-neris.net)) - contact Pascal Croüail ([pascal.crouail@cepn.asso.fr](mailto:pascal.crouail@cepn.asso.fr)) or Sandra Lafage ([Sandra.lafage@cepn.asso.fr](mailto:Sandra.lafage@cepn.asso.fr)) from CEPN.

