



NERIS Workshop 2015

State-of-the-art and needs for further research for emergency and recovery preparedness and response

27-29 April 2015, Milano, Italy

Organised in cooperation with the University of Milano



UNIVERSITÀ DEGLI STUDI DI MILANO

Second ANNOUNCEMENT

Objectives and structures of the Workshop

The NERIS Workshop 2015 will cover the State of the art and Needs for further research for emergency and recovery preparedness and response. It will provide an opportunity to discuss and exchange with NERIS Members, international organisations and European Research communities on research developments and priorities for the European NERIS Platform.

Plenary sessions will be organised on topics related to the 3 research areas of the NERIS Strategic Resarch Agenda:

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.

Targeted audience

The targeted audience of this workshop are researchers and organisations involved or interested in emergency and recovery preparedness and management from all levels and sectors.

Venue and accommodation

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

Underground stops: DUOMO (MM1, red line; MM3, yellow line); MISSORI (MM3, yellow line) For further information, please see on Google Maps

Below, you will find a list of hotels where you can make your own booking by clicking on the link. If you have any questions, please contact the NERIS Secretariat (sec@eu-neris.net).

- **** Hotel Canada, Via S. Sofia 16, Milano
- **** Hotel Best Western Ascot, Via Lentasio 3, Milano
- *** Hotel Lloyd, Corso di Porta Romana 48, Milano
- *** Hotel Zurigo, Corso Italia 11, Milano
- *** Hotel Ariston, Largo Carrobbio 2, Milano
- ** Hotel Gritti, Piazza S. Maria Beltrade 4, Milano

Working language

The working language of the workshop will be English.

Registration and 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 Participation fees include lunches, coffee breaks and the Workshop dinner organised on April 28, 2015.

Registration form is available on the NERIS Website. Registration deadline: March 31, 2015. Limited number of participants: 90.

Registration will be taken into account on receipt of payment.

(* NERIS Association is not submitted to VAT)

Call for posters

You are encouraged to submit poster presentations on emergency and recovery preparedness and response. All topics related to the 3 research areas of the NERIS SRA or related to the implementation of BSS on emergency and recovery issues are welcomed to our session dedicated to "posters" (see Programme below).

Further information

For further information please contact the hosted Coordinator (Marie-Claire Cantone – marie.cantone@unimi.it) or the NERIS Secretary (Sandra Lafage – sec@eu-neris.net).

You can also visit the NERIS web page www.eu-neris.net

IMPORTANT DATES Registration deadline: March 31, 2015 Full papers submission deadline:

April 1, 2015

	Day 1 - Monday 27 April 2015
	NERIS Workshop Opening Ceremony
	Chair: Marie-Claire Cantone & Thierry Schneider
12.00 – 13.30	Registration (no lunch foreseen)
13.30 – 14.00	Welcome & Introduction Marie-Claire Cantone - University of Milano (Italy) – Local Organizer
	The NERIS Platform and the NERIS Strategic Research Agenda Thierry Schneider - CEPN (France) – President of NERIS
14.00 – 15.45	Session 1: Challenges in atmospheric and aquatic modelling
	Chair: Wolfgang Raskob & Florian Gering
	Atmospheric dispersion modelling to locate the source of airborne radioactivity – do we use all the knowhow we have? Raimo Mustonen, Aleksi Mattila – STUK – Radiation and Nuclear Safety Authority (Finland)
	The needs for improvement of atmospheric dispersion capabilities for decision support systems Slawomir Potempski – NCBJ – National Centre for Nuclear Research (Poland) Stephano Galmarini – JRC-Ispra –Institute for Environment and Sustainability, Joint Research Centre (Italy)
	Assessment of possible consequences from severe accidents at nuclear power plants in Europe Petra Seibert, Delia Arnold, Nikolaus Arnold, Klaus Gufler, Radek Hofman Helga Kromp-Kolb, Gabriele Mraz, Anne Philipp, Steven Sholly BOKU-Met - Institute of Meteorology, University of Natural Resources & Appl. Life Sciences (Austria)
	Is the consideration of different types of atmospheric dispersion model likely to impact on the extent of the estimated countermeasures that may be used as an input for site emergency plans? Peter Bedwell, Hannah Gaskell, Stephanie Haywood – PHE – Public Health England (UK)
	Real-time simulation of the near-range atmospheric dispersion using Computational Fluid Dynamics Lieven Vervecken ^{1,2} , Christophe Gueibe ¹ , Johan Camps ¹ , Johan Meyers ² ¹ SCK•CEN, Belgian Nuclear Research Centre (Belgium) ² KU Leuven, Department of Mechanical Engineering (Belgium)
	Challenges in aquatic modeling in case of accidental radioactive discharges in the marine environment Bruno Fievet - IRS[N]/PRP-ENV/SERIS, Laboratoire de Radioécologie de Cherbourg - Octeville (France)

	Day 1 - Monday 27 April 2015
14.00 – 15.45 ()	Integration of short- and long-term radionuclide transport models for freshwater bodies and coastal waters into JRODOS Eduardo Gallego ¹ , M. Zhelezniak ^{1,2} , L. Papush ³ , R.Bezhenar ^{1,2} , A.Boyko ^{1,2} ; I.levdin ^{1,2} ; I.Brovchenko ^{1,2} , V.Koshebutsky ^{1,2} , I.Kovalets ^{1,2} , V.Maderich ^{1,2} , W. Raskob ⁴ , D. Trybushnyi ⁴ ¹ UPM – Universidad Politécnica de Madrid (Spain) ² Institute of Mathematical Machines & Systems, National Academy of Sciences, Kiev (Ukraine) ³ Private consultant, Nyköping (Sweden) ⁴ Karlsruhe Institute of Technology, Institut für Kern- und Energietechnik, Eggenstein- Leopoldshafen (Germany)
15.45 – 16.15	Coffee & Posters
16.15 – 17.30	Session 2: Improvement of existing decision support systems
	Chair: Florian Gering & Wolfgang Raskob
	Implementation of a method for source term estimation based on measurements and atmospheric dispersion modelling for use in decision support systems S. Andronopoulos ¹ , I. Kovalets ² , R. Hofman ³ , P. Seibert ³ ¹ National Centre for Scientific Research "Demokritos" (Greece) ² Ukrainian Centre for Environmental and Water Projects (Ukraine) ³ Department of Meteorology and Geophysics, University of Vienna (Austria)
	Improving the decision support system JRodos according to customer requirements C. Landman ¹ , W. Raskob ¹ , D. Trybushnyi ¹ , I. Levdin ² ¹ KIT- Karlsruhe Institute of Technology (Germany) ² UCEWP- Ukrainian Center for Environmental and Water Projects (Ukraine)
	SYMBIOSE: A Simulation Platform for post-accidental risk assessment, applications in the terrestrial landscape of the Fukushima region M.A. Gonze, C. Mourlon, V. Nicoulaud, S. Le Dizes, L. Garcia-Sanchez, J.M. Métivier, P. Calmon, M. Sy, M. Simon-Cornu IRSN - French Institute for Radiological Protection and Nuclear Safety (France)
	How to use decision support systems in a nuclear emergency? Wolfgang Raskob - KIT- Karlsruhe Institute of Technology (Germany)
17.30 – 18.00	Discussion: Sessions 1 & 2 Moderators: Wolfgang Raskob & Florian Gering Rapporteur: Eduardo Gallego

	Day 2 - Tuesday 28 April 2015
9.00 – 10.30	Session 3: Improvement of the decision-making-processes and the implementation of the Basic Safety Standards
	Chair: Kaj Vesterbacka & Christophe Murith
	Implementation of BSS in Germany Florian Gering - BfS- Federal Office for Radiation Protection (Germany)
	Consideration of emergency situations in the new Swiss ordinance on radiation protection Christophe Murith - FOPH - Federal Office of Public Health, Radiological Protection (Switzerland)
	Strategy for Radioactivity Measurements in Radiological Emergency to Improve Decision-Making Processes T.K. Ikäheimonen, P. Vesterbacka, K. Vesterbacka, J. Lahtinen, S. Klemola, J. Huikari, K. Peräjärvi STUK - Radiation and Nuclear Safety Authority (Finland)
	Measurement uncertainties and their impact on decision support Johan Camps - SCK•CEN - Belgian Nuclear Research Centre (Belgium)
	Assessing Personal Doses from External Radiation Using Personal Dosimeters with GPS and GIS technologies in Fukushima Wataru Naito ¹ , Motoki Uesaka ¹ , Hideki Ishii ² ¹ - Research Institute of Science for Safety and Sustainability (RISS), National Institute of Advanced Industrial Science and Technology (AIST) (Japan) ² - Fukushima Future Center for Regional Revitalization, Fukushima University (Japan)
	The OPERRA Project: First Period Main Achievements Jean-René Jourdain - IRSN - French Institute for Radiological Protection and Nuclear Safety (France)
10.30 – 11.00	Coffee & Posters
11.00 – 12.00	Session 3 (con't): Improvement of the decision-making- processes and the implementation of the Basic Safety Standards
	Chair: Kaj Vesterbacka & Christophe Murith
	The importance of operational optimisation in recovery of contaminated terrestrial areas Kasper G. Andersson - DTU - Technical University of Denmark (Denmark)
	Soil vulnerability maps for predictive purposes in decision making processes for post-accident recovery in Spain C. Trueba, M. Montero, B. García-Puerta - CIEMAT (Spain)
	INEX 5 Exercise on Notification, Communication and Interfaces Related to Catastrophic Events involving Radiation or Radiological Materials H. Burcin Okyar - OECD Nuclear Energy Agency Radiological Protection and Radioactive Waste Management Division

	Day 2 - Tuesday 28 April 2015
11.00 – 12.00 ()	Scenario Based Nuclear and Radiological Emergency Preparedness in a Non-Nuclear Country (Norway) Øyvind Gjølme Selnæs - NRPA, Norwegian Radiation Protection Authority (Norway)
12.00 – 12.30	Discussion: Session 3 Moderators: Kaj Vesterbacka & Christophe Murith Rapporteur: Anthony Bexon
12.30 – 13.30	Lunch
13.30 – 15.30	Session 4: Stakeholder engagement and dialogue
	Chair: Inger Eikelmann & Marie-Claire Cantone
	Societal Deliberation: Formal and Informal Behaviours Simon French ¹ , Nikolaos Argyris ² ¹ University of Warwick (UK) ² University of Loughborough (UK)
	Effective management of nuclear emergencies: which social factors may play a key role? C. Turcanu, T. Perko, B.Carlé SCK•CEN - Belgian Nuclear Research Centre (Belgium)
	Health surveillance & practical radiological protection culture: two complementary pillars for improving living conditions in a contaminated territory Pascal Croüail ¹ , Sylvie Charron ² , Makoto Miyasaki ³ , Raïssa Misyura ⁴ ¹ CEPN - Nuclear Evaluation Protection Centre (France) ² IRSN - French Institute for Radiological Protection and Nuclear Safety (France) ³ Fukushima Medical University (Japan) ⁴ Stolin Central District Hospital (Belarus)
	Stakeholder engagement and dialogue and their role in the improvement of the decision-making process Tatiana Duranova, Jarmila Bohunova - VUJE (Slovak Republic)
	The involvement of experts in post-accident management at the service of population: lessons from the Fukushima accident Thierry SCHNEIDER ¹ , Jacques LOCHARD ¹ , Sylvie CHARRON ² , Jean-Christophe GARIEL ² , Jean-François LECOMTE ² , François ROLLINGER ² ¹ CEPN - Nuclear Evaluation Protection Centre (France) ² IRSN - French Institute for Radiological Protection and Nuclear Safety (France)
	Management of contaminated goods in post-accident situations Sylvie CHARRON ¹ , Sandra LAFAGE ² , Bruno CESSAC ¹ , Pascal CROUAIL ² , Laurent DESTACAMP ¹ , Jean-François LECOMTE ¹ , Christophe MURITH ³ , Vanessa PARACHE ¹ , Thierry SCHNEIDER ² ¹ IRSN - French Institute for Radiological Protection and Nuclear Safety (France) ² CEPN - Nuclear Evaluation Protection Centre (France) ³ FOPH - Federal Office of Public Health, Radiological Protection (Switzerland)

	Day 2 - Tuesday 28 April 2015
15.30 – 16.00	Coffee & Posters
16.00 – 17.00	Session 4: Stakeholder engagement and dialogue (con't)
	Chair: Inger Eikelmann & Marie-Claire Cantone
	Stakeholder Engagement in Ireland on Radioactive Contamination of Food Veronica Smith, Catherine Organo, Ciara McMahon EPA - Environmental Protection Agency (Ireland)
	Stakeholder involvement and local preparedness and communication strategies – views and experiences from Portugal (a non-nuclear country) <i>M. Baptista</i> ¹ , <i>O. Monteiro Gil</i> ¹ , <i>I. Lopes</i> ¹ , <i>M.J. Madruga</i> ¹ , <i>J. Oliveira Martins</i> ² , <i>I. Paiva</i> ¹ , <i>L. Portugal</i> ¹ , <i>M. Reis</i> ¹ , <i>P. Teles</i> ¹ , <i>P. Vaz</i> ¹ ¹ IST - Instituto Superior Técnico, Universidade de Lisboa (Portugal) ² APA - Agência Portuguesa do Ambiente (Portugal)
	Local-national forum for emergency and recovery strategies – tool for local emergency and recovery plans I.M.H Eikelmann, A. Liland NRPA - Norwegian Radiation Protection Authority (Norway)
	Fukushima: Four Years of Academic Community Support to the State Efforts of Improving People's Lives in the Post Accident Conditions Kenj Nanba, Mark Zheleznyak and Thomas Hinton Institute of Environmental Radioactivity, Fukushima University (Japan)
17.00 – 17.30	Discussion: Session 4 Moderators: Inger Eikelmann & Marie-Claire Cantone Rapporteur: Pascal Croüail & Catrinel Turcanu
20.00 – 23.00	Dinner

	Day 3 - Wednesday 29 April 2015
9.00 - 9.45	Session 5: Information and social media
	Chair: Deborah Oughton & Raimo Mustonen
	Managing the complexity of societal needs in a nuclear emergency situation: towards further experts collaboration for the "enlightened protection of populations" Julie Hazemann ¹ , Yves Marignac ² ¹ EnerWebWatch ² WISE-Paris
	Information and participation of local populations in a post-accident situation: a social path for recovery - insights from the PREPARE European research project Stéphane Baudé ¹ , Gilles Hériard Dubreuil ¹ , David Boilley ² , Thierry Schneider ³ ¹ MUTADIS (France) ² ACRO - NGO in charge of radioactivity measurement in the West of the France ³ CEPN - Nuclear Evaluation Protection Centre (France)
	Information on Radiation through Social media. A case study and a proposal for a semantic web system to help for Nuclear Post-Accident resilience Federico Tajariol, Antonin Segault, Ioan Roxin UFC – University of Franche-Comté (France)
9.45 – 10.15	Discussion: Session 5 Moderators: Deborah Oughton & Raimo Mustonen Rapporteur: Catrinel Turcanu & Pascal Croüail
10.15 – 10.45	Coffee & Posters
10.45 – 12.30	Session 6: Research coordination and round table discussion
	Chair: Thierry Schneider
	MELODI / CONCERT (Thomas Jung, BfS)
	ALLIANCE (T.K. Ikäheimonen, STUK)
	EURADOS (Paola Fattibene, ISS)
12.30 – 13.30	Coffee & Posters
13.30 – 16.30	NERIS GENERAL ASSEMBLY