

PROGRAMME

“PREPARE DISSEMINATION WORKSHOP: INNOVATIVE INTEGRATIVE TOOLS AND PLATFORMS”

20 - 22 January 2016
Park Inn Danube Hotel, Rybné nám 1
Bratislava, Slovak Republic

January 19, 2016: NERIS will organize its General Assembly in the venue of the workshop

FIRST DAY

20 January:

- **Review and investigation of the operational arrangements and procedures**
- **Enhancing of the existing decision support systems with capabilities of importance**

08:00 – 09:00 Registration and coffee

Opening session

09:00 – 09:10 **Welcome address**
Tatiana Duranova, VUJE and Wolfgang Raskob, KIT

09:10 – 09:25 **Presentation by Andre Jouve, EC project officer**

Review and investigation of the operational arrangements and procedures

Session 1: Emergency preparedness for long lasting releases – Chair: Florian Gering

09:25 – 09:30 **Emergency preparedness for long lasting releases - Overview**
Florian Gering, BfS

09:30 – 09:45 **Source terms**
Albert Bujan, VUJE

09:45 – 10:00 **Weather scenarios**
Milagros Montero Prieto, CIEMAT

- 10:00 – 10:15 **Assessment of radiological consequences**
Tuomas Peltonen, STUK
- 10:15 – 10:30 **Impact on drinking water**
Leo Puijker, KWR
- 10:30 – 10:45 **Conclusions for EPR for long lasting releases**
Florian Gering, BfS

10:45 – 11:00 Coffee

Session 2: Management of consumer goods – Chair: Sylvie Charron

- 11:00 – 11:10 **Overview of WP3: Management of contaminated goods in post-accident situations: national panels' methodology**
Sylvie Charron, IRSN and Sandra Lafage, CEPN

Presentation of the main results by the members of the Task Force composed of representatives of the 11 European countries involved

- 11:10 – 11:20 **Market, trade, economic aspects, management strategies (tools, MPLs, etc.)**
Catrinel Turcanu, SCK-CEN; Sandra Lafage, CEPN ; Jean-François Lecomte, IRSN; Pascal Croûail, CEPN; Christophe Murith, FOPH
- 11:20 – 11:30 **Resources & Capabilities, monitoring strategies**
Maria José Madruga, IST-ID
- 11:30 – 11:40 **Information strategies and decision making process**
Veronica Smith, EPA; Esther van Asselt, RIVM
- 11:40 – 11:50 **Other goods**
Kelly Jones, PHE; Tuukka Turtiainen, STUK
- 11:50 – 12:00 **Preparedness (education & training, stakeholder participation process, etc.)**
Vasiliki Kamenopoulou, GAEC; Astrid Liland, NRPA; Cristina Trueba, CIEMAT
- 12:00 – 12:10 **Main recommendations**
Thierry Schneider, CEPN
- 12:10 – 12:30 **Discussion**

12:30 – 13:30 Lunch

Enhancing of the existing decision support systems with capabilities of importance

Session 3: Extension of atmospheric dispersion and consequence modelling in Decision Support Systems – Chair: Spyros Andronopoulos

- 13:30 – 13:35 **Overview of WP4: Extension of atmospheric dispersion and consequence modelling in Decision Support Systems**
Spyros Andronopoulos, NCSR
- 13:35 – 13:45 **Physico-chemical properties of radionuclides emitted as particulate matter**
Kasper G. Andersson, DTU

Extension of DSSs modules regarding particles

- 13:45 – 13:55 **Source-term module in JRODOS**
Claudia Landman, KIT
- 13:55 – 14:05 **Dispersion models in JRODOS**
Spyros Andronopoulos, NCSR
- 14:05 – 14:15 **ERMIN and Urban Surface Retention Experiments**
Tom Charnok, PHE
- 14:15 – 14:25 **Source term and RIMPUFF in ARGOS**
Jan Pehrsson, PDC
- 14:25 – 14:35 **Dispersion and fall out of heavier particles**
Poul Astrup, DTU

Source term estimation based on measurements and atmospheric dispersion models

- 14:35 – 14:45 **Fast and simple method with NPP fence measurements**
Juraj Duran, VUJE
- 14:45 – 14:55 **More advanced method**
Ivan Kovalets, UCEWP
- 14:55 – 15:05 **Implementation of source-term estimation methods in JRODOS**
Ivan Kovalets, UCEWP

15:05 – 15:20 **Improved source term description in Eulerian models in ARGOS**
Jan Erik Dyve, Jerzy Bartnicki, NRPA

15:20 – 15:40 Coffee

Session 4: Aquatic dispersion and consequence modelling – Chair: Mark Zhelezniak

15:40 – 16:05 **Overview of WP5 and updated release of the watershed - river modeling chain RETRACE-RIVTOX and 2D reservoir model COASTOX in HDM , the implementation studies**
Mark Zheleznyak & Sergei Kivva , UCEWP & Fukushima University, Alex Boyko & Ievgen Ievdin, UCEWP, Dmytro Treebusgny ,KIT, Dorina Gheorghiu, IFIN-HH

16:05 – 16:30 **Integration of 3D model THREETOX in JRODOS-HDM, implementation studies and model validation on marine Fukushima scenarios**
Vladimir Maderich UCEWP, Raul Perianez , USEV, Mikhael Iosjpe, NRPA, Alla Dvorzhak, CIEMAT, Vladimir Koshebutsky & Ievgen Ievdin, UCEWP

16:30 – 16:50 **Integration of marine food chain model POSIEDON in JRODOS and testing versus Fukushima data**
Roman Bezhenar & Vladimir Maderich, UCEWP

16:50 – 17:15 **Integration of long-term models MOIRA-LAKE and MOIRA-RIVER into JRODOS- HDM**
Eduardo Gallego, UPM, Liana Papush, Sweden, Ievgen Ievdin, UCEWP

17:15 – 17:30 **Implementation of JRODOS-HDM for the assessment of Cs-137 transport and fate in rivers, reservoirs and ponds of the Fukushima Prefecture**
Kenji Nanba, Fukushima University, Mark Zheleznyak, Sergey Kivva, Vladimir Maderich, Vladimir Koshebutskyy, Eduardo Gallego, Liana Papush

19:30 Workshop dinner at Bratislava Castle Restaurant

SECOND DAY

21 January:

- **Improved means for the interaction of technical experts with authorities in charge, communication from and to the public and the training of key players**
- **Analytical Platform**

Session 5: Conditions and means for information and participation of the public in a nuclear emergency and post-emergency situations – Chair: Gilles Hériard Dubreuil

- 09:00 – 9:15 **Supporting people building their own response to the consequences of a nuclear accident: complexity management, trust and the Aarhus convention**
Gilles Hériard Dubreuil, Mutadis
- 09:15 – 9:40 **Information and participation of local actors confronted to a nuclear accident: lessons from Chernobyl and Fukushima accidents**
Stéphane Baudé, Mutadis
Inger-Margarethe Eikelmann, NRPA
- 09:40 – 10:05 **Experts-to-expert interactions in an emergency and post-emergency situation: conditions and means for relevant and trustworthy information of the public**
Yves Marignac, WISE Paris
Julie Hazemann, EnerWebWatch
- 10:05 – 10:30 **The role of traditional and social media in emergency and post-emergency situations**
Tanja Perko, SCK-CEN
- 10:30 – 10:40 **Discussion**

10:40 – 11:00 Coffee

Session 6: Training of the key players, exercising – Chair: Johan Camps

- 11:00 – 11:10 **Improving Nuclear Emergency Management by Training, Exercising and Testing**
Johan Camps, SCK-CEN
- 11:10 – 11:30 **Basic Training Courses for Key Players in Emergency Management: a Review of the Early and Late Phase Training Courses**
Catrinel Turcanu, SCK•CEN & Pascal Crouail, CEPN

- 11:30 – 11:55 **Lessons Learned from a Transport Accident Exercise with Cross Border Consequences**
Marie-Thérèse LIZOT, IRSN
- 11:55 – 12:10 **Lessons Learned from a Table Top Exercise on Monitoring a Large Scale Cross Border Contamination in the Aftermath of a nuclear accident**
Benjamin Zorko, JSI
- 12:00 – 12:30 **Feedback from testing new models and tools**
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12:30 – 13:30 Lunch

Session 7: Analytical Platform – Chair: Claudia Landman

- 13:30 – 13:40 **Overview and applicability of the Analytical Platform**
Wolfgang Raskob, KIT
- 13:40 – 14:00 **Technical realization of AP**
Tim Müller, KIT
- 14:00 – 14:20 **Knowledge database of AP**
Stella Möhrle, KIT
- 14:20 – 14:40 **“Ask the expert” and web crawling**
Andreas Ikonomopoulos, NCSR
- 14:40 – 14:50 **Operational procedures of AP**
Milagros Montero Prieto, CIEMAT
- 14:50 – 15:15 **Conditions and means for a useful and trustworthy engagement of experts in the PREPARE Analytic Platform – survey and interviews outcomes**
Milagros Montero Prieto, CIEMAT
Stéphane Baudé, Mutadis

15:15 – 15:30 Coffee

Session 8: Training and exercising, demonstration exercise – Chair: Tatiana Duranova

- 15:30 – 15:45 **INEX 5 Exercise on Notification, Communication and Interfaces Related to Catastrophic Events involving Radiation or Radiological Materials**
Olvido Guzmán López-Ocón, WPNEM - OECD/NEA

- 15:45 – 15:55 **Analytical Platform – training end exercising**
Tatiana Duranova, VUJE
- 15:55 – 16:50 **Analytical Platform: demonstration exercise**
Claudia Landman, Tim Müller, KIT
- 16:50 – 17:30 **JRodos demonstration and simulation capabilities: series of demonstrations and presentations of new tools**
Dmytro Trybushnyi, KIT
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THIRD DAY

22 January:

- **Integrative tools and platforms and their role within the common road map on radiation research in perspective of European research programme Horizon 2020**

Session 9: Integrative tools and platforms: key outcomes – Chair: Wolfgang Raskob

09:00 – 09:10	PREPARE key outputs and general recommendations <i>Wolfgang Raskob, KIT</i>
09:10 – 09:45	Feedback from Work Package activities and new ideas WP1: <i>Florian Gering, BfS</i> WP2: <i>Claudia Landman, KIT</i> WP3: <i>Sylvie Sharron, IRSN</i> WP4: <i>Spyros Andronopoulos, NCSR</i> WP5: <i>Mark Zhelezniak, UPCEW</i> WP6: <i>Gilles Heriard-Dubreuil, Mutadis</i> WP7: <i>Johan Camps, SCK-CEN</i>
09:45 – 10:00	NERIS Strategic Research Agenda reflections <i>Johan Camps, NERIS R&D Committee</i>

Coffee – 10:00 – 10:15

Session 10: Common road map on radiation research – Chair: Thierry Schneider

10:15 – 12:15	Panel discussion with European and International organisations, Platforms and Plenary discussion session on way forward
12:15 – 12:30	Concluding remarks <i>Wolfgang Raskob, KIT and Thierry Schneider, NERIS</i>

12:30– 13:30 Lunch
