Use of uncertain information by decision makers at the various levels within the decision making process and its communication

Training course - Second announcement

13-15 May, 2019
VUJE, Okruzna 5, Trnava, Slovak Republic

Objectives:
Guides and recommendations for the decision making in the post release and transition phase taking into account uncertain information will be presented and tested. Attendees will debate how to interpret, use and communicate uncertainties within the decision making process. The course and practical sessions/workshops will also consider the: establishment and optimisation of remediation strategies; benefits of stakeholder involvement; inclusion of human behaviour, cultural differences and stakeholder preferences as a part of the tools to aid decision making. Training the trainers and facilitators of national, regional and local workshops based on learning from doing and own engagement and experience during the training course is one of the goals of the training.

Addressed to:
Decision makers, advisors 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. Participants will be engaged to actively participate in the practical sessions in the form of short topical workshops based on exercise scenarios and round table discussions.

Course contents:
- Uncertain information and how it is used by decision makers at various levels within the decision making process:
    o Meanings of different types of uncertainty,
    o Uncertainties in the early and transition phase,
- Establishment and optimization of remediation strategies:
    o Addressing the uncertainties in urban/inhabited scenarios,
    o Addressing the uncertainties in agricultural scenarios,
- Guidelines and recommendations for decision making during the transition phase,
- Visualization of uncertainties in model results and information for decision making,
- Robust decision making,
- Application of tools (MCDA multi-criteria decision analysis and ABM - agent based modelling) in stakeholder workshops taking into account uncertain information,
- Involvement of stakeholders in decisions to recover for improving their living conditions,
- Uncertainties in human behavior, cultural differences and stakeholder preferences as a part of the tools and approaches to support the decision making process,
- Test of communication tools through consideration of uncertainties within the decision making process,
- Stakeholders' preferences and priorities concerning uncertainty management,
- Application of guidelines and tools for communication and stakeholder involvement related to uncertainty.

Dates and venue
The training course will take place from May 13-15, 2019 in premises of VUJE, Inc., room C41, Okruzna 5, Trnava, Slovak Republic and is limited to 24 participants.

Accommodation
The accommodation will be available in one of the Hotels in Trnava.
Holiday Inn Trnava: https://holidayinn-trnava.sk/en/
Hotel Empire: http://hotelempire.sk/hotel/
Hotel Saint Michael: https://saint-michael-trnava.booked.net/
Pension La Pension: https://www.lapension.sk/language/eng/index.php
Pension Patriot: http://www.penzionpatriot.sk/en

Working language
The working language of the training course will be English.

Registration and fee
The training course has received funding from the European Union's Horizon 2020 research and innovation programme within the CONCERT-CONFIDENCE project under grant agreement No662287 and thus it is free for all participants. Priority will be given to participants from E.U. countries working in the domain of nuclear or radiological emergency management. Participants are expected to cover their own travel and subsistence costs. To provide possibility for participation of *local stakeholder* limited financial support will be made available from the project. If you need a financial support for your travel and accommodation expenses, please contact NERIS Secretariat (sec@eu-neris.net).
While there is no registration fee, training course participation is limited to a maximum of 24 participants and **pre-registered participants are accepted**. For registration, please use NERIS Platform web page www.eu-neris.net .

Further information
For further information please contact the hosted Coordinator (Tatiana Duranova – tatiana.duranova@vuje.sk) or the NERIS Secretariat (Eymeric Lafranque – sec@eu-neris.net). You can also visit the NERIS web page www.eu-neris.net .

Important dates
Registration deadline: January 31, 2019
Training course: May 13-15, 2019

Organized by:

PROGRAMME

13 May 2019

08:00 – 09:00	**Registration and coffee**

09:00 – 09:10	**Welcome address** *Tatiana Duranova, VUJE and Wolfgang Raskob, KIT*
09:10 - 09:30	**Decision processes in case of nuclear accident and decision support tools** *Presentation* *Wolfgang Raskob, KIT*
09:30 – 09:50	**Meanings of different types of uncertainty** *Presentation* *Simon French, UW*
09:50 – 10:10	**Uncertainties in the early phase influencing the transition phase issues** *Presentation* *Wolfgang Raskob, KIT, Spyros Andronopoulos, EEAE*
10:10 – 10:45	**Visualization of uncertainties in model results and information for decision making** *Demonstration and discussion* *Tim Müller, KIT*

10:45 – 11:00	**Coffee**

11:00 – 11:30	**Addressing the uncertainties in urban/inhabited area scenarios** *Presentation* *Tom Charnock, PHE*
11:30 - 12:00	**Addressing the uncertainties in agricultural scenarios** *Presentation* *Milagros Montero, CIEMAT*

12:00 – 13:00	**Lunch**

13:00 – 14:45	**Decision making during the transition phase: establishment and optimisation of remediation strategies - urban/inhabited area** *Scenario-based workshop* *Tatiana Duranova, VUJE*

14:45 – 15:00	**Coffee**

15:00 – 17:00	**Decision making during the transition phase: establishment and optimisation of remediation strategies - agricultural area** *Scenario-based workshop* *Milagros Montero Prieto, CIEMAT*
17:00 – 17:30	**Round table and discussion**: **Uncertain information and how it is used by decision makers at various levels within the decision making process**
19:00	**Course dinner** at "Mrva&Stanko" Vinnery

14 May 2019

09:00 – 10:45	**Application of tools MCDA - multi-criteria decision analysis and ABM - agent based modelling based on the scenario-based workshop results** *Demonstration and workshop* *Tim Müller, KIT*
10:45 – 11:00	**Coffee**
11:00 – 11:30	**Guidelines and recommendations for decision making during the transition phase** *Presentation* *Milagros Montero Prieto, CIEMAT*
11:30 – 12:00	**Robust decision making** *Presentation* *Wolfgang Raskob, KIT*
12:00 – 13:00	**Lunch**
13:00 – 13:30	**Decision-makers in a post nuclear accident situation: confronting uncertainties, criteria supporting decisions and tools for their presentation** *Presentation* *Pascal Crouail, CEPN*
13:30 - 14:10	**Uncertainties in human behaviour, cultural differences and social uncertainties as a part of the tools and approaches to support the decision making process** *Presentation* *Catrinel Turcanu, SCK/CEN*
14:10 - 14:45	**Resilience criteria for rebuilding dignified living conditions after a nuclear accident** *Presentation* *Stephane Baude', Mutadis*

14:45 – 15:00	**Coffee**

15:00 – 17:00	**Stakeholders` preferences and priorities concerning uncertainty management: Key features of an accident and post-accident situation and of the challenges for local populations facing a nuclear accident** *Workshops based on Fukushima case-studies* *Stephane Baude', Mutadis*

17:00 – 17:30	**Round table and discussion:** **Involvement of stakeholders in decision-making process**

15 May 2019

09:00 – 10:00	**Communication tools through consideration of uncertainties within the decision making process** *Presentation and testing of tool* *Tanja Perko, SCK/CEN*

10:00 - 10:45	**Round table and discussion: Application of guidelines, recommendations and tools for decision making during the transition phase with stakeholders involvement**

10:45 – 11:00	**Coffee**

11:00 – 11:45	**Round-up session and discussion - feedback to developers**
11:45 – 12:00	**Closing session**

12:00– 13:00	**Lunch**