

Preparedness for recovery from radiation disaster: Role of the European NERIS Platform

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- ▶ NERIS: European Platform on Preparedness for Nuclear and Radiological Emergency Response and Recovery

- ▶ Objectives:
 - Improving the effectiveness and coherency of current approaches to preparedness
 - Identifying further development needs
 - Improving know-how and technical expertise

- ▶ Establish a forum for dialogue and methodological development
- ▶ Between all organisations and associations taking part in decision making of protective actions
- ▶ In nuclear and radiological emergencies and recovery in Europe

- ▶ Created in 2010
- ▶ Financial support from the European Commission to structure the Platform
- ▶ Adoption of legal statutes in May 2012 in Glasgow
- ▶ Self-sustainable since 2014
- ▶ Currently:
 - 59 organisations from 28 different countries
 - 26 supporting organisations
 - CEPN in charge of the scientific and technical secretariat

- ▶ A series of researches, supported by EC, following the Chernobyl accident, notably focussed on:
 - Analysis of countermeasures and their efficiency
 - Decision-making processes
- ▶ Main lessons:
 - Importance of improving preparedness and the tools to assess and predict the situation
 - Crucial role of local situation (including radioecological issues)
 - Long lasting consequences (in terms of exposure and social disturbances)

- ▶ After the Fukushima accident, development of new European research projects focussed on the implementation of protection strategies and public participation
- ▶ Preliminary results:
 - Importance of transparency of the decision-making processes at the local, regional and national levels
 - Key role of the access to environmental monitoring at local, national and international levels
 - Use of modern social media in the exchange of information
 - Role of stakeholder involvement processes in both emergency and recovery situations

- ▶ Working group on “the practical implementation of the ICRP recommendations”
- ▶ Working group on “processes and tools for emergency and rehabilitation preparedness at a community level”
- ▶ Working group on “management of contaminated goods”
- ▶ Working group on “information, participation and communication”

- ▶ Cooperation with the European research platforms:
 - MELODI (low-dose risk research platform)
 - ALLIANCE (radioecology platform)
 - EURADOS (radiation dosimetry platform)
 - EURAMED (radiation protection in medicine)

- ▶ European Radiation Protection Research Week
 - Oxford (Sept. 2016)
 - Paris (Oct. 2017)

- ▶ Joint roadmaps and coordination of research calls:
 - OPERRA project (2013-2017)
 - CONCERT project (2015-2020)

- ▶ OPERRA project (2013-2017):
 - SHAMISEN (Medical and health surveillance)
 - Cathymara (Thyroid monitoring)
 - HARMONE (radioecological modelling)

- ▶ CONCERT project (2015-2020)
 - CONFIDENCE (uncertainty associated with emergency and transition phases)
 - TERRITORIES (uncertainty associated with existing exposure situations)

- ▶ Decision to cooperate with EAN for this workshop:
 - Crucial role of ALARA in selection of countermeasures
 - Key challenge on the selection of reference levels
 - Methodological development for implementing ALARA approach in DMP and tools to support decision process

- ▶ NERIS workshop organised in Lisbon on May 18-19 to favour common discussion with EAN

Thank you for your attention