Risk communication

- Following the Fukushima incident, it was extremely difficult to explain that Germany is not affected by the contamination.
- Following Chernobyl, the contamination level in food was set to a reference level on a scientific basis, but not accepted by the politics.
- Risk communication seems only be possible by setting up small discussion groups.

EURANOS

„European approach to nuclear and radiological emergency management and rehabilitation strategies“

- partners: 33 RTD institutes and 17 national emergency management centres from 23 European countries
- budget: total costs: 14 Mio €
- start: April 2004
- end: June 2009
- co-ordination: KIT
Strategies and guidance on emergency actions and countermeasures

- Objectives and achievements
  - Expand and complete existing information on countermeasures (compendia)
  - Produce handbooks for managing contaminated inhabited areas and food production systems in close collaboration with stakeholders
  - To develop guidance on the lifting of emergency countermeasures
  - To establish a Handbooks’ Users Group

Enhancement of decision support systems for operational application

- Objectives
  - Models and data bases for estimating and managing the radiological situation and countermeasures in inhabited areas
  - Models and data bases for estimating and managing the radiological situation and countermeasures in agricultural areas
  - Enhancement of decision support systems, in particular the RODOS system
The ERMIN model for inhab. areas

User Inputs

1. Deposition
   - Deposition on all surfaces

2. Retention
   - Recovery worker dose
   - Waste amount
   - Effort and cost

Environment

3. Dose library

Strategy

4. Modify for CM

Model

Outputs

- Contamination
- Dose rate
- Resuspension
- Public dose
- Recovery worker dose
- Waste amount
- And activity
- Effort and cost

Applicability to Fukushima (decontamination)

- Discussion on technology options for decontamination
  - Applicability for soil contamination and any other option that is applicable more than one year after the event

- Application of European handbooks (EURANOS) and DSS such as RODOS with the ERMIN model for inhabited areas
  - First training course with colleagues from Tokyo University of Agriculture and Technology and from Fukushima University in June in Germany
  - Adaptation to Japanese conditions
  - Understand how to use the tools under the given circumstances
Thank you very much for your attention

Questions?

http://www.euranos.fzk.de
http://www.eu-neris.net