



**Nuclear Regulatory Authority
of the Slovak Republic**



Slovak experience with stakeholders engagement - national level

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**NERIS-TP DISSEMINATION WORKSHOP
22 – 24 January, 2014, Oslo, Norway**



Legislation – crisis management ***crisis management bodies, levels of responsibilities***

Civil protection Act – responsibilities:

Mayor – event in city / municipality borders

Head of district – event inside his/her district

Head of county – event inside his/her county

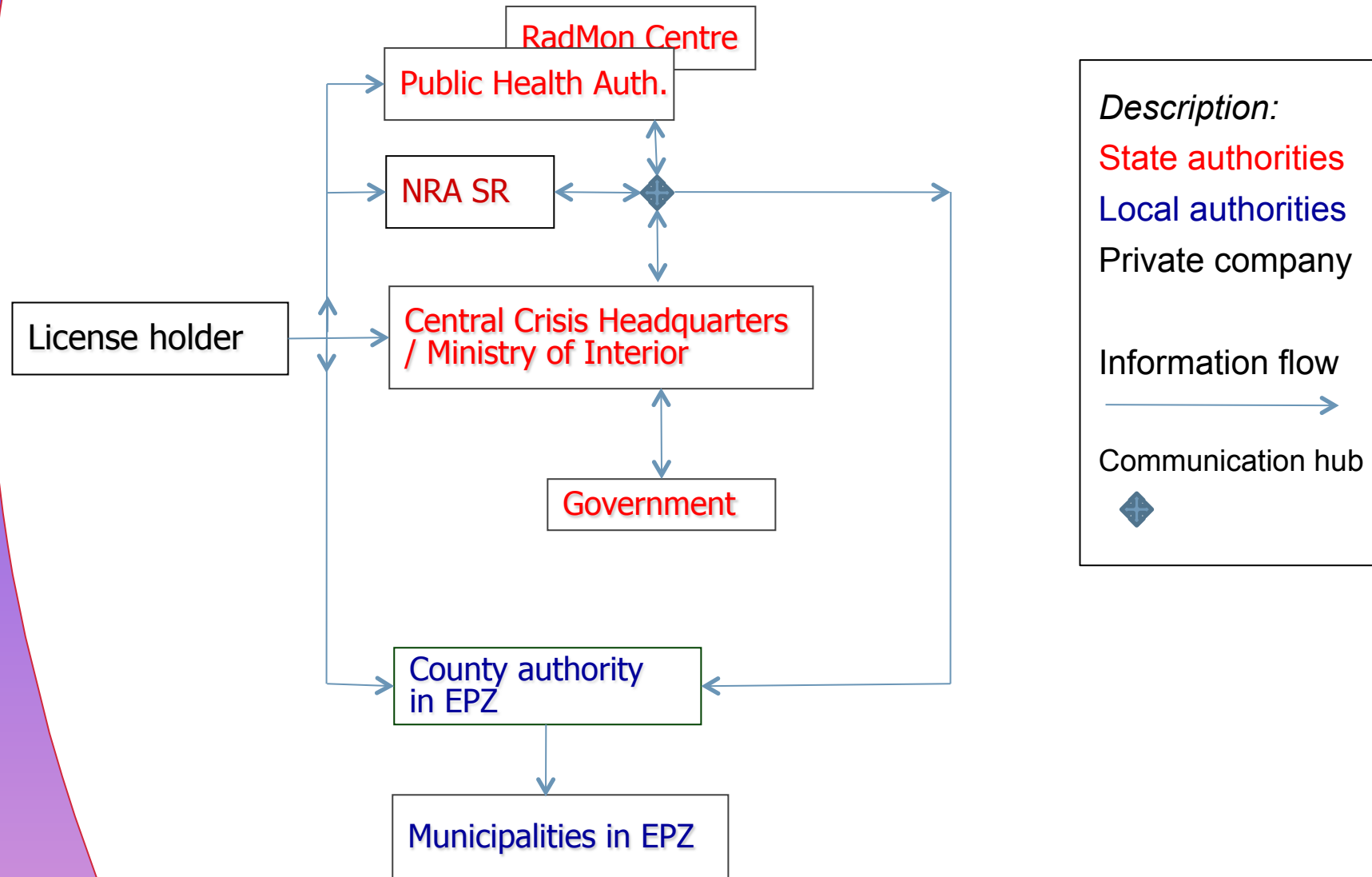
Government – responsible for events beyond one county borders

- all levels have crisis headquarters**
- crisis HQ involves different experts**
- all crisis HQ members are obliged to participate in education, trainings and exercises**



Nuclear emergency management

structure, information flow, key players





Legislation – emergency preparedness

regulatory authority

Atomic Act and Decree on Emergency preparedness

Nuclear Regulatory Authority responsibilities:

- performs and inspects exercises
- evaluation of the development and the consequences of incidents or accidents at nuclear installation and during transport of radioactive materials
- preparation of recommendations for measures

To fulfill these obligations and activities

- **Emergency Response Centre**
- **Emergency Response Staff (trained also in Decision Support Systems)**



Stakeholder Involvement

First steps

- **NRA SR created in 1993 (independence of Slovak Republic)**
- **need for communication and cooperation with stakeholders**
- **NRA SR financed through the R&D project organisation of workshops and seminars**
- **dissemination of RODOS among stakeholders (B and C users) was one of first ideas of these events: unsuccessful; but: good platform for cooperation improvement**
- **decisive factors of platform: democratic and open attitude to participants and their contributions**
- **outcome: open and successful cooperation; each participant gladly cooperated on further work and meetings**



Stakeholder Involvement

First steps - Decision analysis of clean-up action in inhabited areas

- **facilitated workshop and Slovak stakeholder panel conducted in November 19-20, 2003**
- **25 participants – 21 „decision makers“ and 4 „supports“**
- **contents:**
 - **pre-prepared scenario**
 - **first ideas, issues**
 - **discussion – criteria and values that drive decision – „attribute tree“**
 - **score strategies for each attribute + weight attributes**
 - **analysis of results**
 - **impression of process and feedback**
- **Web-HIPRE was used as decision support software**
- **this workshop defined further direction of stakeholder works**



Stakeholder Involvement

Training Course on Decision Making in Emergency Management

- **sharing of new international experience,**
- **conducted in February 14-16, 2005**
- **29 participants – 21 as group of decision makers and 8 lecturers**
- **content of the training course:**
 - **major issues, which require decision making for mitigation of consequences in case of nuclear accident**
 - **assessment if affected area is livable**
 - **radiation doses (workers and public)**
 - **emergency situation, intervention criteria and application of intervention levels and countermeasures**
- **participants found this workshop very useful and valuable**



Stakeholder Involvement ***Handbooks development and customisation***

- **Seminars and workshops on Generic Handbooks for Assisting in the Management of Contaminated Inhabited Areas, Food Production, Drinking Water and Recovery Phase, for example:**
 - **June 23, 2005, 16 participants**
 - **September 20. – 21, 2005, 13 participants**
 - **May 16, 2006, 15 participants**
 - **June 12. – 14, 2006, 16 participants**
 - **November 19. – 20, 2007, 10 participants**
 - **September 29 to October 1, 2008, 18 participants**
 - **May 25. – 27, 2009, 20 participants**
 - **September 21 – 23, 2009, 18 participants**
 - **May 24 – 26, 2010, 19 participants**
- **all handbooks were adapted to Slovak conditions and NRA SR provided them to Ministry of Interior and to County offices for use**



Stakeholder Involvement ***Exercises and related seminars***

- **INEX 4 Exercise, January 26. – 27, 2011, with 76 participants from 36 organizations**
- **Seminar „ Recovery Management following a Radiological Incident, May 16. – 18, 2011, 34 participants**
- **Exercise „Raven 2012“, October 17 – 18, 2012, about 900 participants**
- **Seminar with facilitated discussion – Forum „Protection of individuals in emergency exposure situations and living in long-term contaminated areas after an accident, November 12 – 13, 2012, 19 participants**
- **Workshop „Preparedness for nuclear and radiological emergency response and recovery: usage of the new products for supporting the management team, November 6 – 7, 2013, 20 participants**



Other activities with stakeholders

- **Civil information commission**
 - forum for representants of cities and municipalities in EPZ and operators; NRA SR is invited
- **Seminars organised by NRA SR, where operators and county offices were invited**
- **Presentations on emergency management and off-site response for:**
 - university and polytechnics students
 - crisis HQ members on county level
- **Lectures for mayors**
 - lectures on regular trainings organised by operators and county offices for delegates from cities and municipalities in EPZ



Other activities with stakeholders

Technical visit in Belarus

- **June 1 – 7, 2013 with 11 participants**
- **main topics of interest:**
 - **improvement of national - local cooperation**
 - **radiation control and dissemination of safety culture in contaminated area**

Results from technical visit:

- **ideas about safety concerns in contaminated areas and their solutions**
- **presentations on independent position of NRA SR, national emergency management, environmental and radiological issues**



Results from seminars, workshops and training courses

- **a community of stakeholders involved in emergency response to potential nuclear emergency**
- **regular sharing of experiences with development, customisation and implementation of new decision support tools**
- **improvement in communication between stakeholders and also in mutual understanding of work of stakeholders**
- **stakeholders would appreciate faster implementation of outcomes of these activities / meetings**



**Thank you
for your attention**