Experience gained in implementing the IAN-System in Switzerland

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Dominique Rauber
National Emergency Operations Centre

Tasks

Hazards due to

- Elevated radioactivity
- Incidents with chemical substances or organisms
- Flooding due to dam failure or spill over
- Satellite re-entry
The federal council has the competence to assigning **new tasks** to NEOC at any time.

**Actual examples:**
- Earthquake disaster management in CH
- Warning & Alert during natural disasters
National Emergency Operations Centre
Step by step start up procedure

<table>
<thead>
<tr>
<th>Resources</th>
<th>Readiness</th>
<th>Capacities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact Point</td>
<td>Immediately</td>
<td>2</td>
</tr>
<tr>
<td>Duty Officer NEOC</td>
<td>By phone in max 2’ At NEOC within max 30’</td>
<td>1</td>
</tr>
<tr>
<td>NEOC Staff</td>
<td>1 – 2 hours</td>
<td>Up to 25</td>
</tr>
<tr>
<td>Army Staff of NEOC</td>
<td>4 – 6 hours</td>
<td>Up to 200</td>
</tr>
</tbody>
</table>

On constant alert around the clock 365 days a year
Official International Networks

**France**
- IAEA-F
  - Paris
- COGIC
  - Paris
- Dept. Ain
  - Bourg-en Br.
- Dept. Doubs
  - Besançon
- Dept. Jura
  - Lons-le-S.
- Dept. Haut-Rhin
  - Colmar
- Dept. Hte-Savoie
  - Annecy
- Terr. de Belfort
  - Belfort

**Germany**
- Lagezentrum Berlin
- Landespolizeidirektion Freiburg/BR

**Austria**
- IAEA - ENATOM Wien
- Bundeswarnzentrale Wien

**Italy**
- JRC ISPRA

**Charter "Space and Major Disasters"**
- APAT Rom

**UN / ECE**
- WHO
- WMO

**ECURIE**
- European Community Urgent Radiological Information Exchange

**ESOC Darmstadt**

**100 km**

IAEA = Internat. Atomic Energy Agency
ESOC = European Space Operations Center
JRC = Joint Research Centre, Ispra
UN/ECE = Economic Commission Europe (Contact Point)
ECURIE = European Community Urgent Radiological Information Exchange
Communications Paths

- National Competent Authority
- National Point of Contact
- Local Competent Authority
- Local Emergency Management Agency
- On-scene Command Post
- Plant Operator
- National Competent Authority
- National Point of Contact
- Local Competent Authority
- Local Emergency Management Agency
Swiss Solution

- Integrated in overall emergency management
- Use of emergency infrastructure
  - High Availability
  - Secure transmission of information
  - Pre-condition: applications platform independent
- Backup solutions
  - Electronic forms
  - Forms on paper to be sent by fax
- Provision of additional information by use of electronic situation display
Improvement and Sustainability

Challenges

• Recognition of necessity to activate the IAN-procedures (criteria)
• Timely notification and provision of relevant information
• Training of NEOC staff
• Dialogue between emergency management and expert level
• Coordination on the local and national level

Exercises and drills
Fit for Mission

Exercises and drills

• Exercises with neighbouring countries
• Exercises based on realistic scenarios
• Participation of local and national level, Point of Contact and Competent Authority
• Communication tests (drills) only among neighbouring countries
IAN - System

Conclusions

- Better collaboration on different levels during preparedness phase
- Periodic exercises with neighbouring countries with participation from local to national level
- Periodic internal training and exercises of PoC staff
- Technical means cannot overcome procedural problems or lack of knowledge
- Dialogue between the parties involved necessary
Thank you