Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Federal Office for Civil Protection FOCP
National Emergency Operations Centre

Experience gained in implementing the IAN-System in Switzerland

Third UNECE Consultation and Training Session / Sibiu, 1-3 April 2008

Dominique Rauber

Ident.-Nr./Version (Aus DMS kopieren)

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

National Emergency Operations Centre Tasks

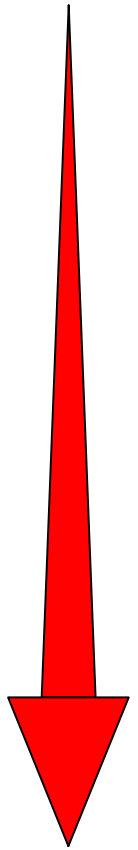
The federal council has the competence to assigning **new tasks** to NEOC at any time

Actual examples:

- Earthquake disaster management in CH
- Warning & Alert during natural disasters

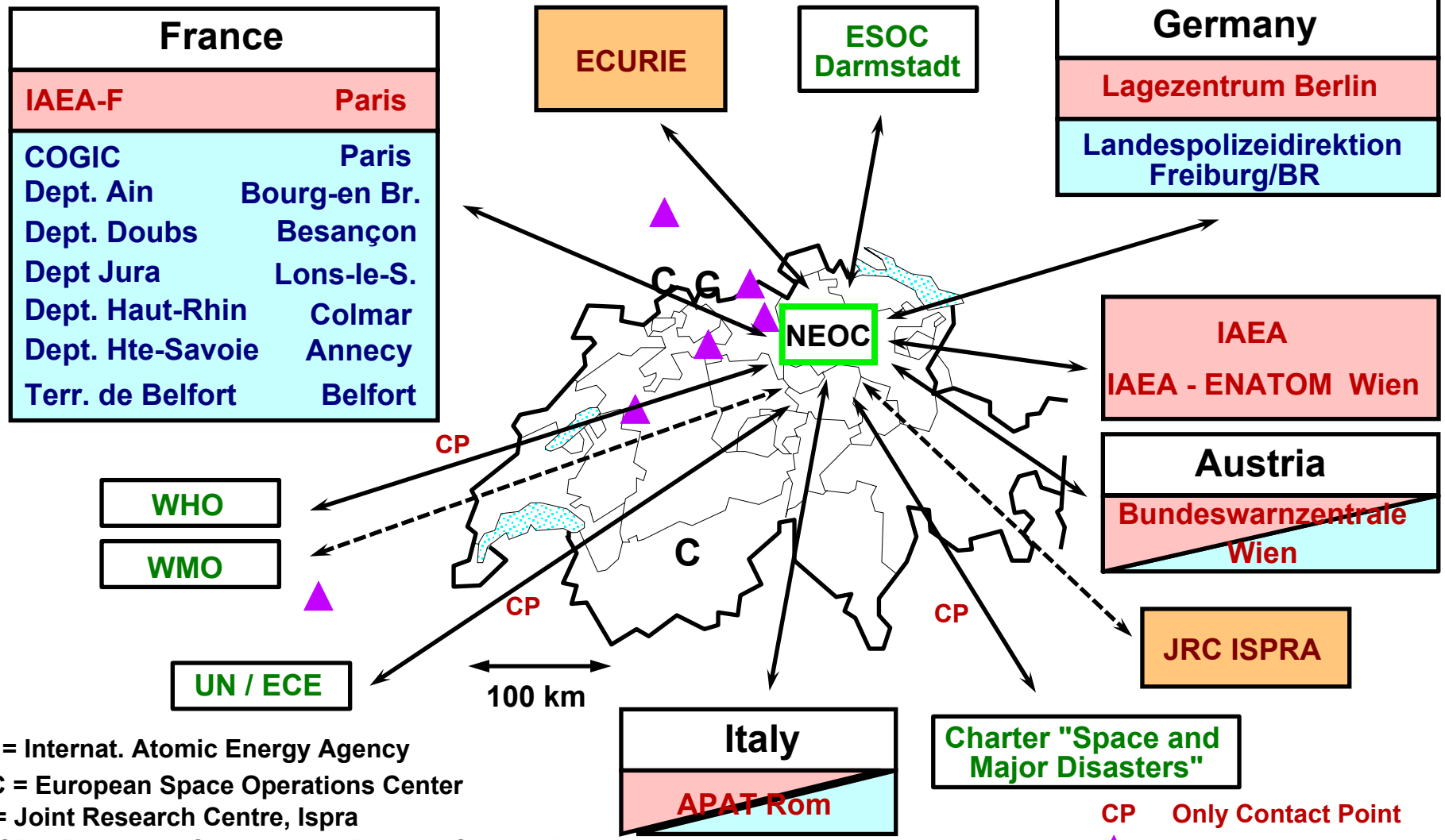
National Emergency Operations Centre
Step by step start up procedure

Resources	Readiness	Capacities
Contact Point	Immediately	2
Duty Officer NEOC	By phone in max 2’ At NEOC within max 30’	1
NEOC Staff	1 – 2 hours	Up to 25
Army Staff of NEOC	4 – 6 hours	Up to 200



On constant alert around the clock 365 days a year

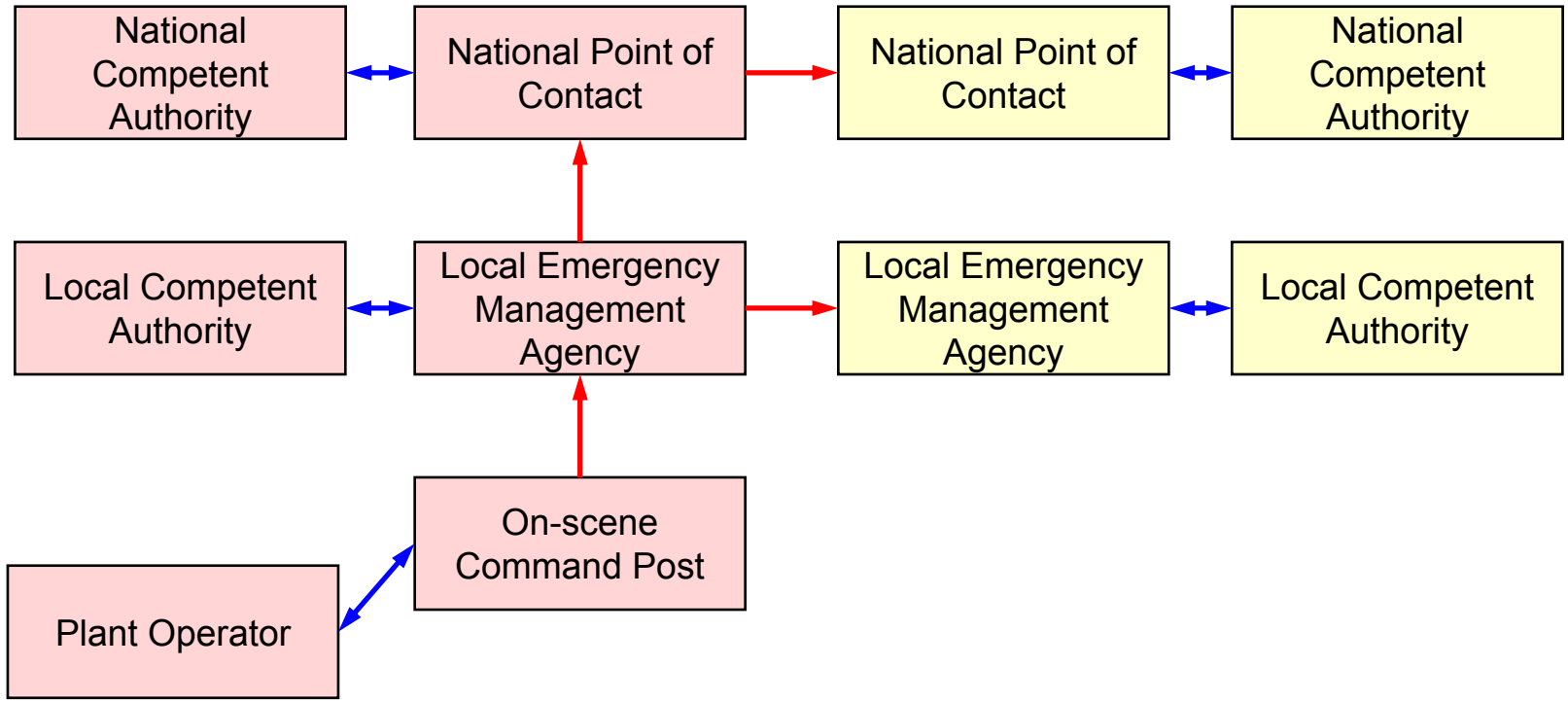
Official International Networks



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

CP Only Contact Point
▲ Nuclear Power Plant
C Chemical Plant

Communications Paths



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

Netscape: Aktuell

File Edit View Go Communicator Help

Lagedarstellung

Home | Abmelden | Einstellungen | Erfassen / Bearbeiten

Benutzer: ra

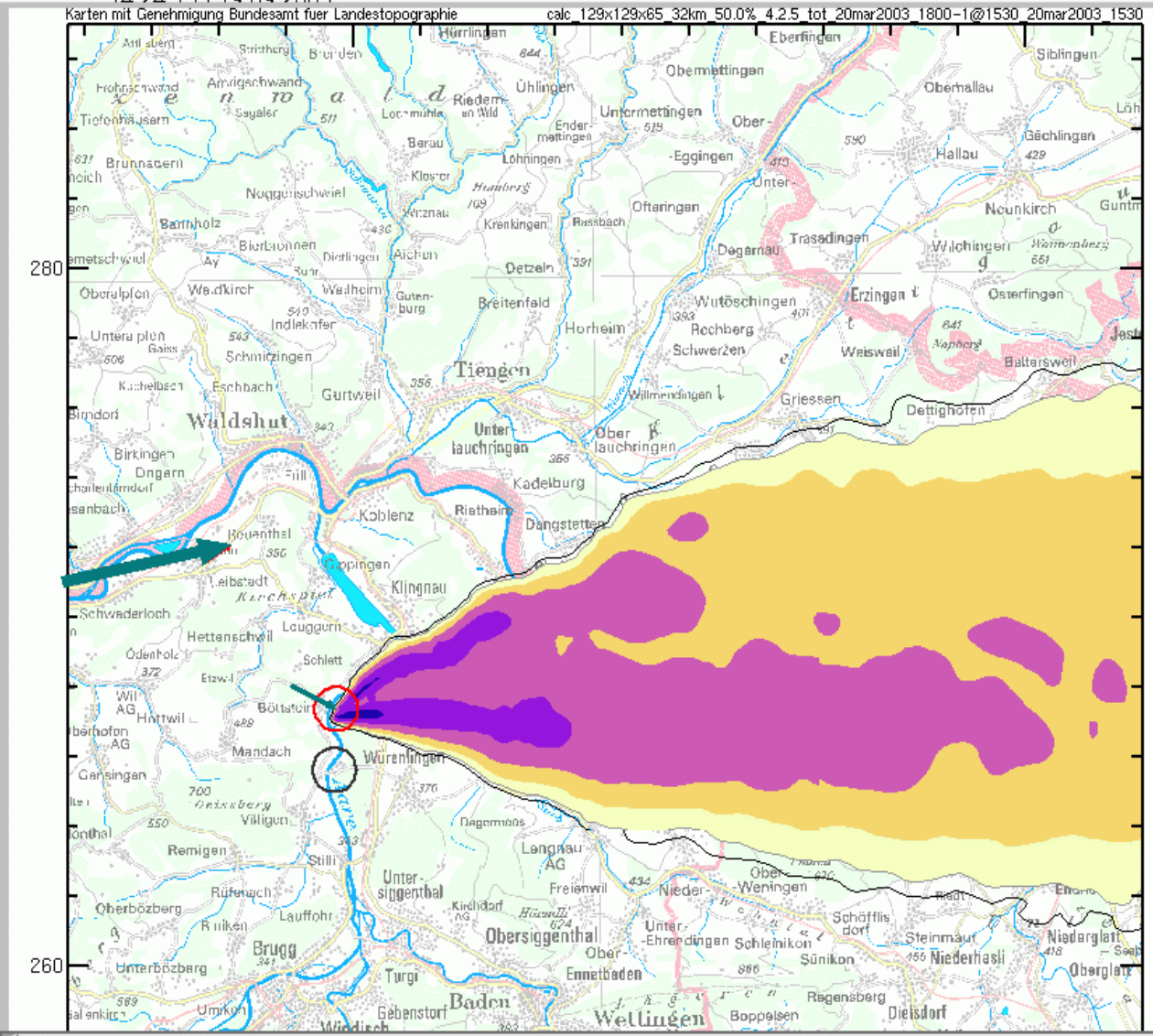
Schnellsuche / Suche Global / Lage am: ?

Französisch

Lokalzeit CH: 14:24:15 | 19.09.2003

Drucken

- Übersicht
- Situation im Werk
- Meteo
- Messmittel/Messprogramm
- Messresultate
- Radiologische Beurteilung
  - Radiologische Lage
  - Mögliche Betroffene Gebiete
  - [Radiologische Prognose]
    - *Externe und interne Bestrahlun
    - *Kontamination Landwirtschaft u
    - *Kontamination Nicht-Lebensmit
  - Hintergrundinformationen
- Massnahmen
- Umwelt/Bevölkerung
- Information
- Einsatzleitung NAZ



KKB GESAMTNOTFALLUEBU
ADPIC/WINDBANK DIAGNOS
Venting 12:00 Uhr – Winddreh

Berechnungszeiten (Lokalzeite

Start/Ende	20mar2003_1200
Aktuell	20mar2003_1530

Windbank unteres Aaretal Kla

kkb	10 m	327°	0.4 r
kkb	70 m	296°	2.0 r
psi	70 m	279°	0.8 r
kkl	10 m	235°	1.2 r
kkl	110 m	258°	6.8 r

Quellterm	Edelgase
Abgabehoehe (m)	7.00E+01
Abgaberate (Bq/s)	0.00E+00
Abgabemenge (Bq)	3.00E+18

Externe Dosis Wolken/Bodens
Einheit mSv effektiv, Erwachser

Maximalwerte
im ganzen Bereich
ausserhalb Radius 1 km
ausserhalb Radius 4 km
ausserhalb Radius 12 km
ausserhalb Radius 24 km

Maximaldistanzen
1.00E+01 mSv bis maximal
1.00E+00 mSv bis maximal
1.00E−01 mSv bis maximal

Max =	6.91E+02	691.01 %
	> 1.00E+02	100.00 %
	> 1.00E+01	10.00 %

100% | 100% of 188K (at 9.9K/sec)

Netscape: Aktuell

File Edit View Go Communicator Help

Lagedarstellung

Home | Abmelden | Einstellungen | Erfassen / Bearbeiten

Benutzer: ra

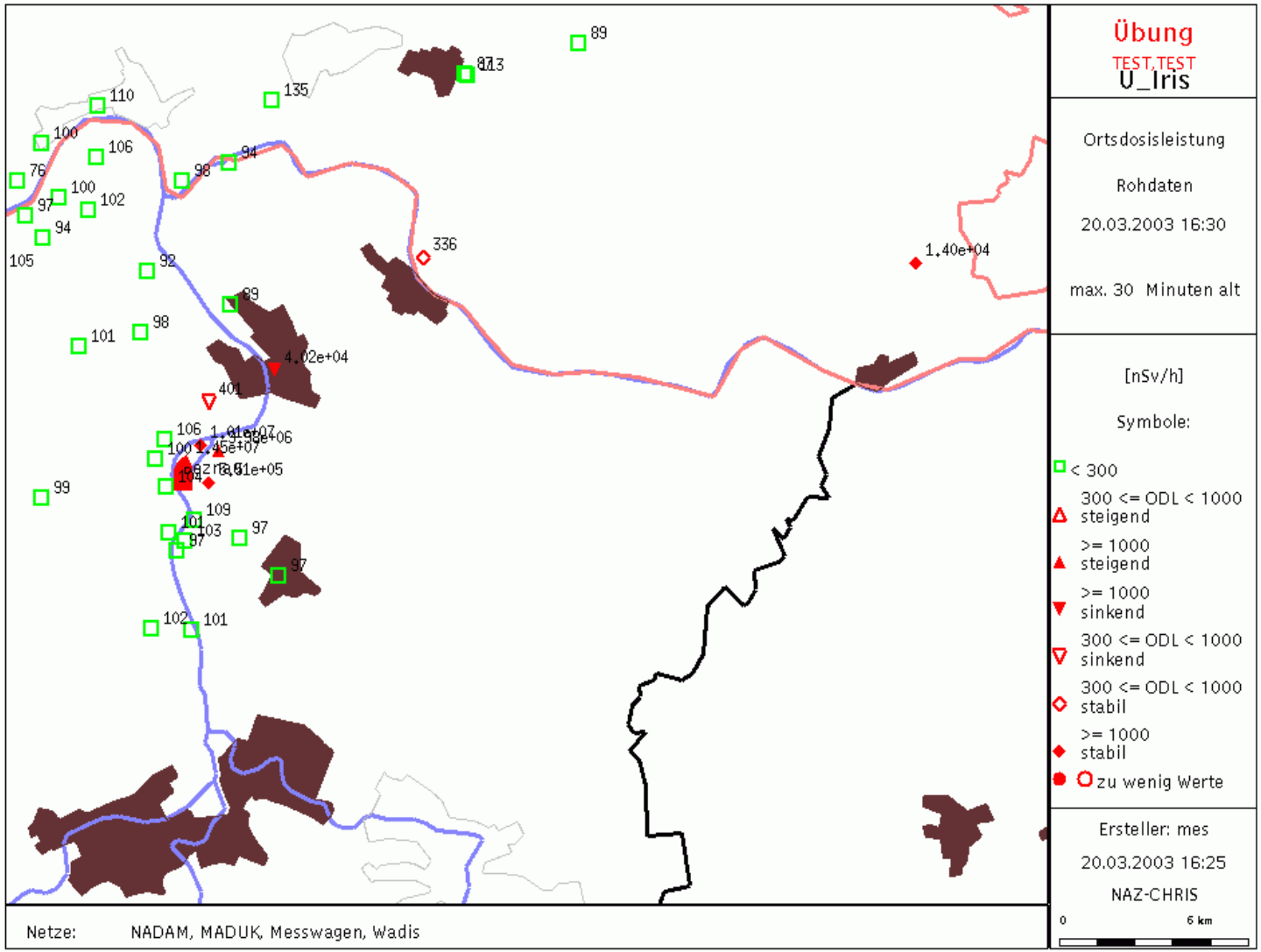
Schnellsuche / Suche Global / Lage anz: ?

Französisch

Lokalzeit CH: 14:23:07 | 19.09.2003

Drucken

- Übersicht
- Situation im Werk
- Meteo
- Messmittel/Messprogramm
- Messresultate
  - [Ortsdosisleistung]
    - *Karten
    - *Zeitverläufe
  - Luftaktivität
  - Bodenbelegung
  - Wasser
  - Lebens- und Futtermittel
- Radiologische Beurteilung
- Massnahmen
- Umwelt/Bevölkerung
- Information
- Einsatzleitung NAZ



Übung

TEST,TEST

U_Iris

Ortsdosisleistung

Rohdaten

20.03.2003 16:30

max. 30 Minuten alt

[nSv/h]

Symbole:

- < 300
- 300 <= ODL < 1000 steigend
- >= 1000 steigend
- >= 1000 sinkend
- 300 <= ODL < 1000 sinkend
- 300 <= ODL < 1000 stabil
- >= 1000 stabil
- zu wenig Werte

Ersteller: mes

20.03.2003 16:25

NAZ-CHRIS

0 6 km

Netze: NADAM, MADUK, Messwagen, Wadis

19.09.2003 | 14:22:38

100% You are logged in as ra !

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

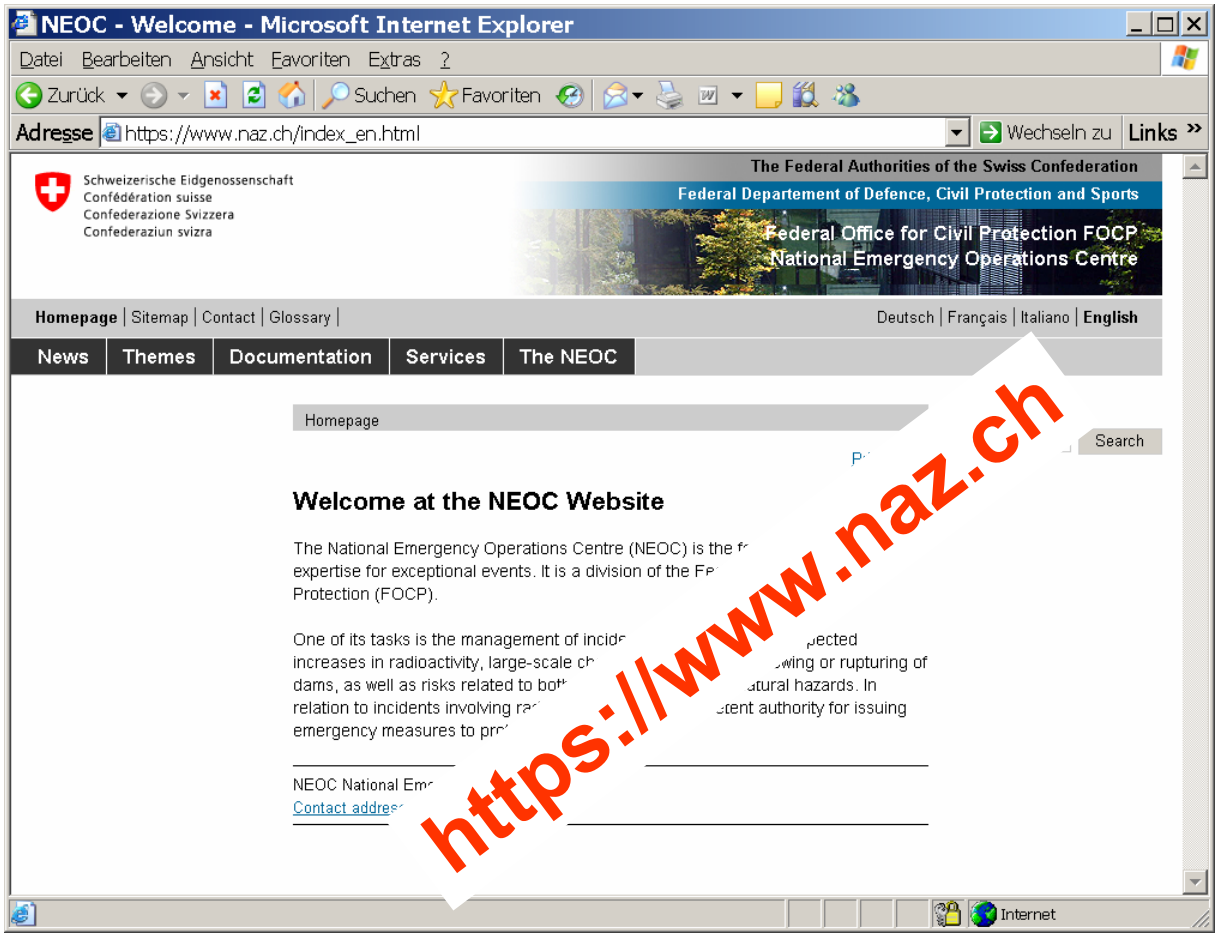
Exercises and drills

- 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


NEOC - Welcome - Microsoft Internet Explorer
Datei Bearbeiten Ansicht Favoriten Extras ?
Zurück Suchen Favoriten
Adresse https://www.naz.ch/index_en.html
Wechseln zu Links
Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra
The Federal Authorities of the Swiss Confederation
Federal Departement of Defence, Civil Protection and Sports
Federal Office for Civil Protection FOCP
National Emergency Operations Centre
Homepage | Sitemap | Contact | Glossary |
Deutsch | Français | Italiano | English
News
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Documentation
Services
The NEOC
Homepage
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Welcome at the NEOC Website
The National Emergency Operations Centre (NEOC) is the
expertise for exceptional events. It is a division of the
Protection (FOCP).
One of its tasks is the management of
increases in radioactivity, large-scale
dams, as well as risks related to
relation to incidents involving
emergency measures to
NEOC National
Contact
https://www.naz.ch
Internet

Thank you