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Federal Department of the Environment,
Transport, Energy and Communications DETEC

Federal Office for the Environment FOEN
Hydrology Division



International Workshop Advances in Flood Forecasting and the Implications for Risk Management

WARNING COMMUNICATION, COMMUNICATION WARNING

**Dr Dominique Bérod,
Swiss federal office for the environment**

26.5.2010

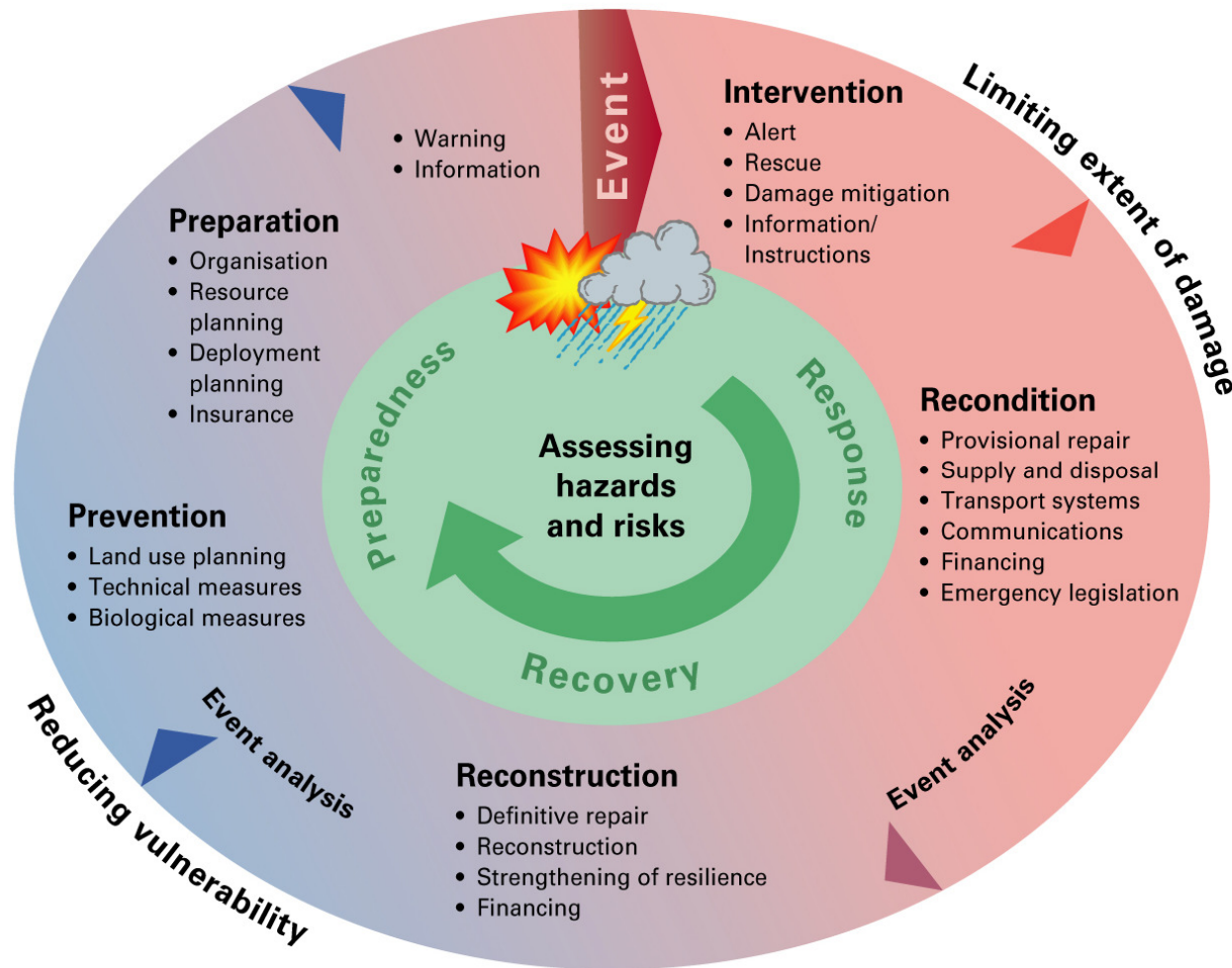


Agenda

- Flood hazard mitigation in Switzerland
- Warning communication
 - Informations
 - Organisation
 - Procedure
- Communication warning
 - Risks
 - Chances
- Conclusions



New management of natural hazards



Land use planning





Land use planning



Structural measures

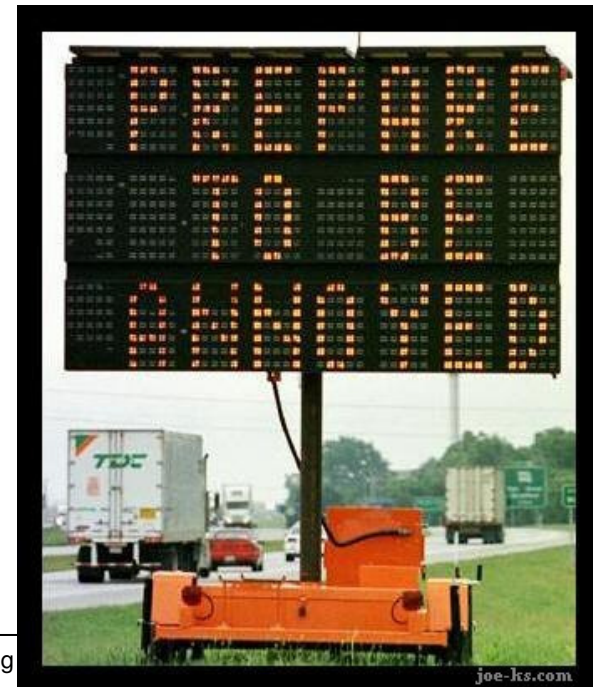
Organisational measures



-with Freebord



Forecast and Warning

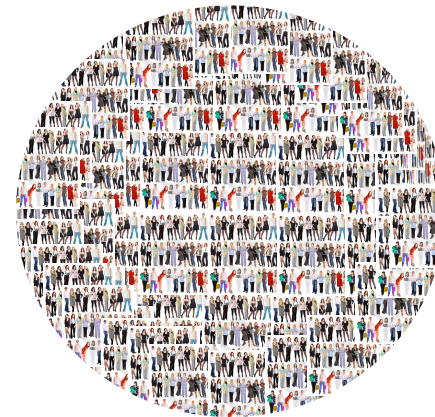
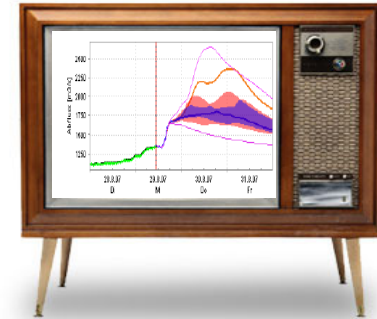


Advances
Dominique

ication warning

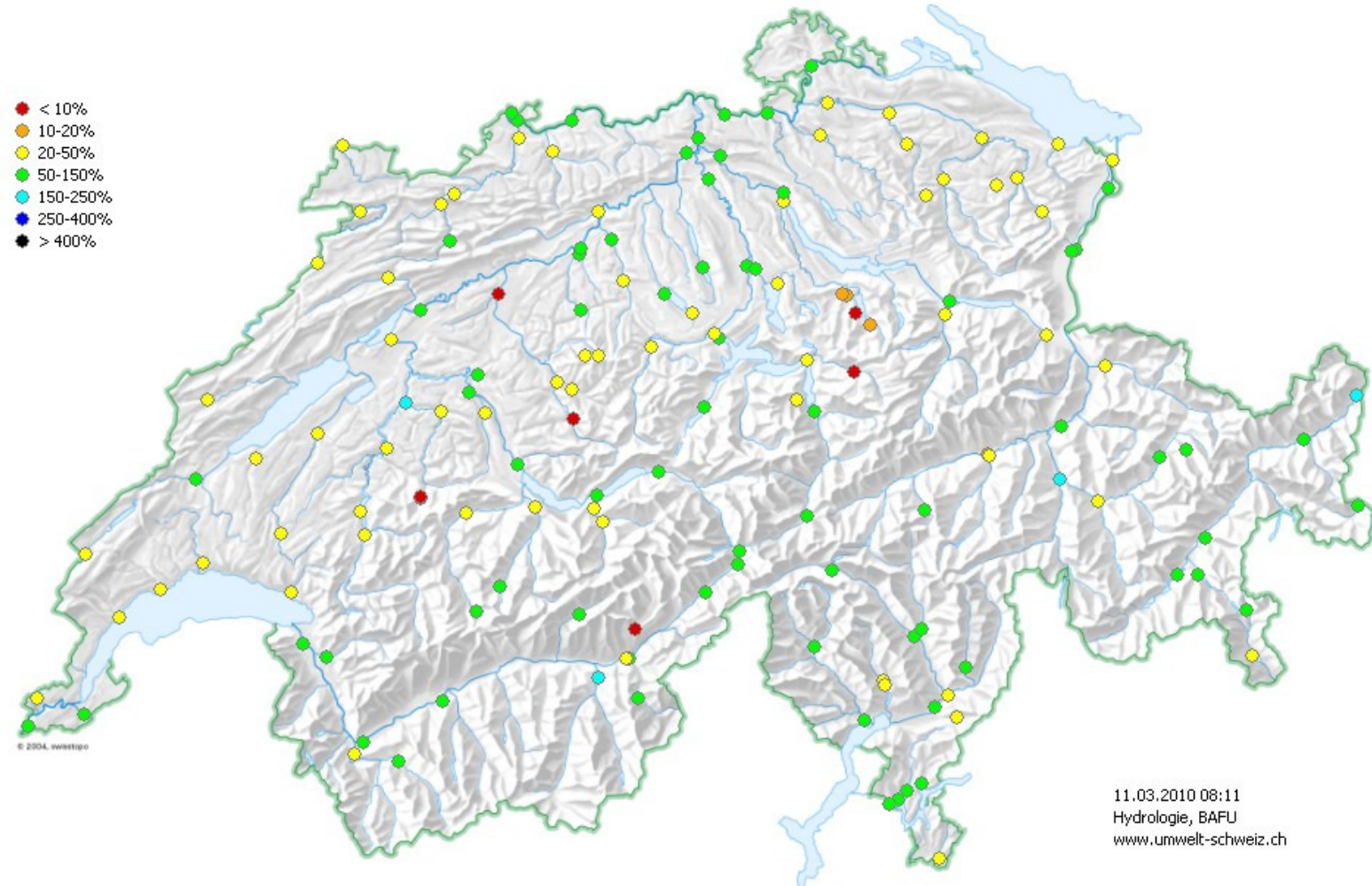
joe-its.com

Collection of data and forecasting





Survey

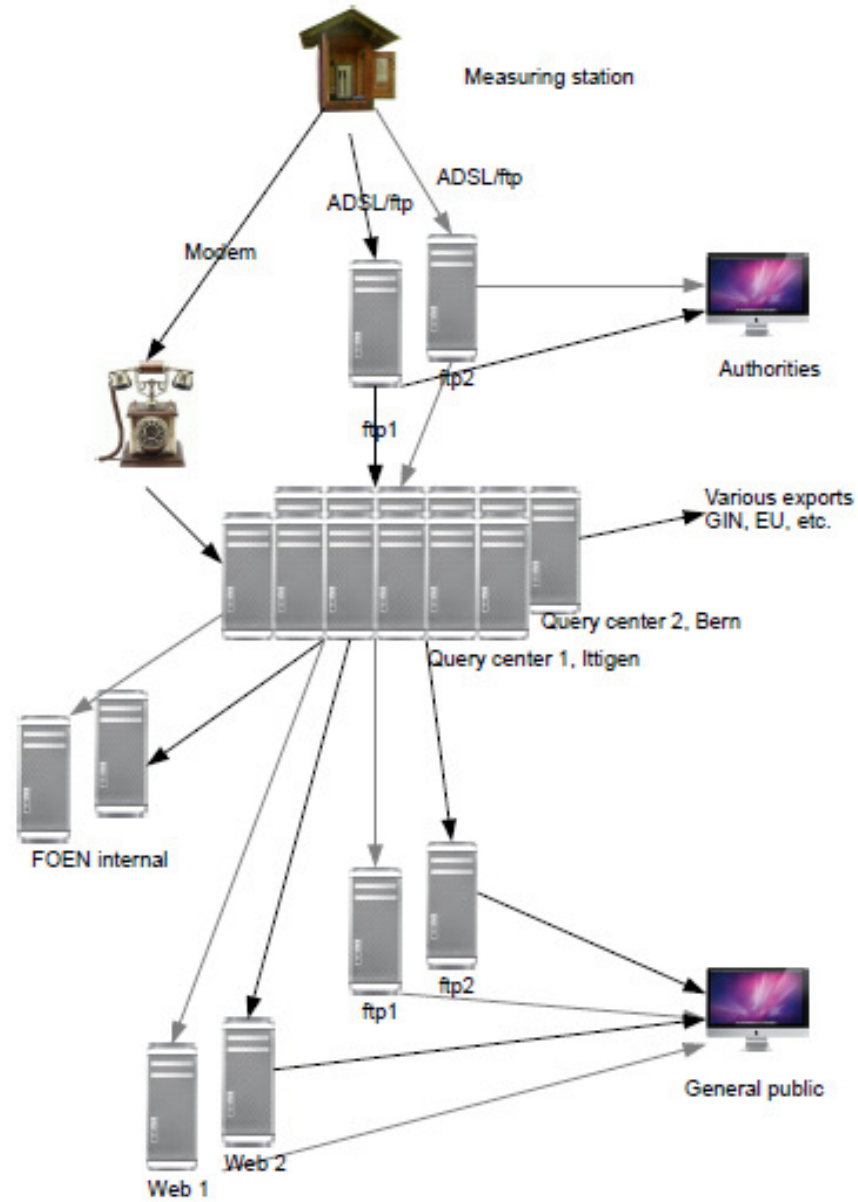


(www.umwelt-schweiz.ch)



Datamanagement

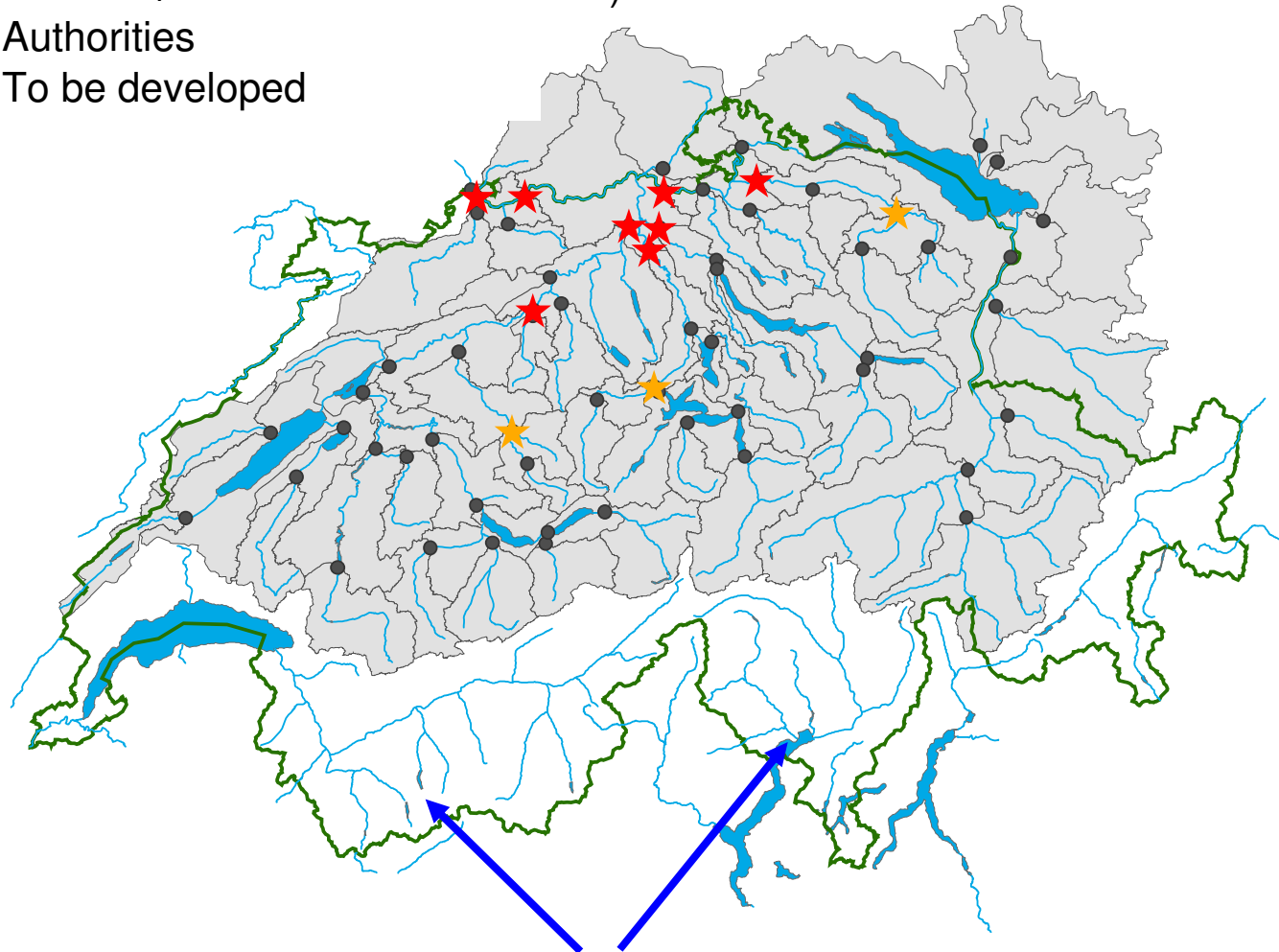
Query Center Hydrology – FOEN Data flow





Flow forecasting in Switzerland

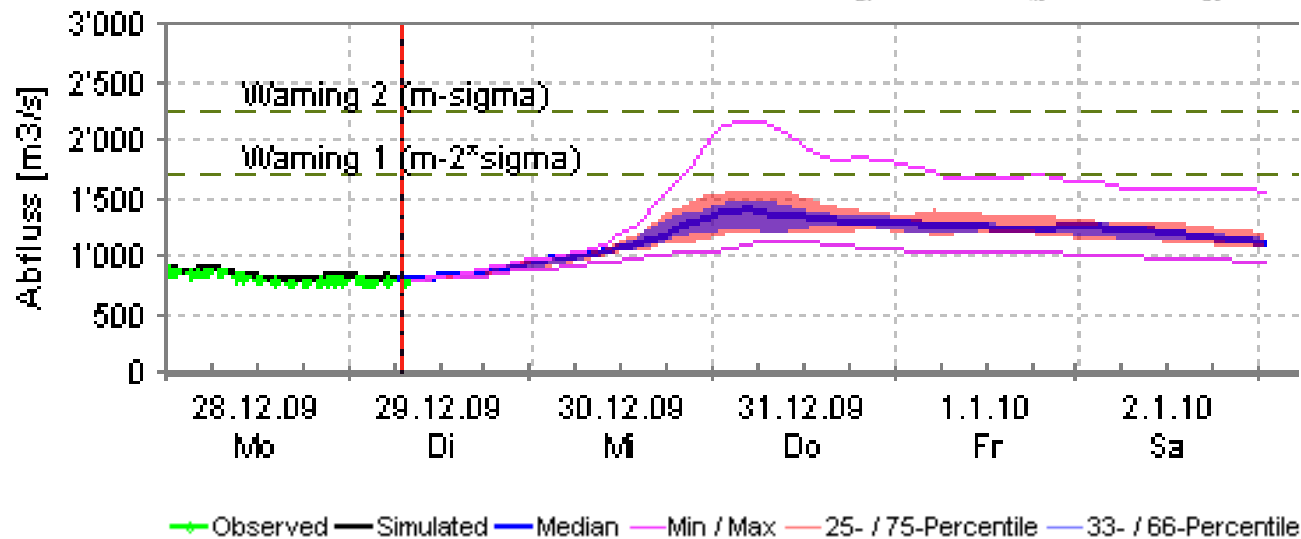
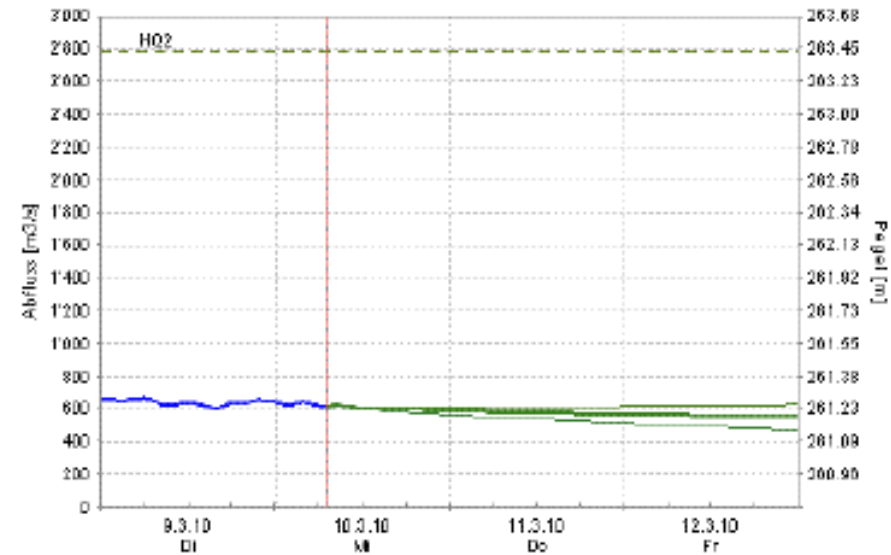
- ★ Internet (www.umwelt-schweiz.ch)
- ★ Authorities
- To be developed



Cantonal projects

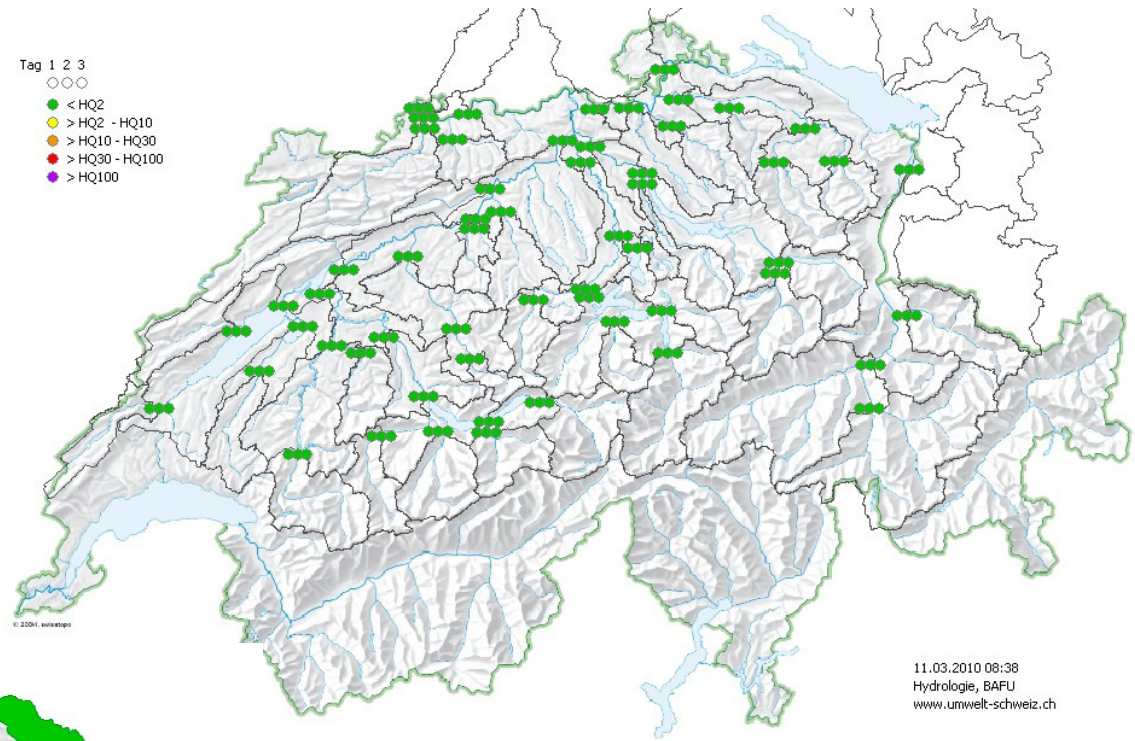


Forecasting products

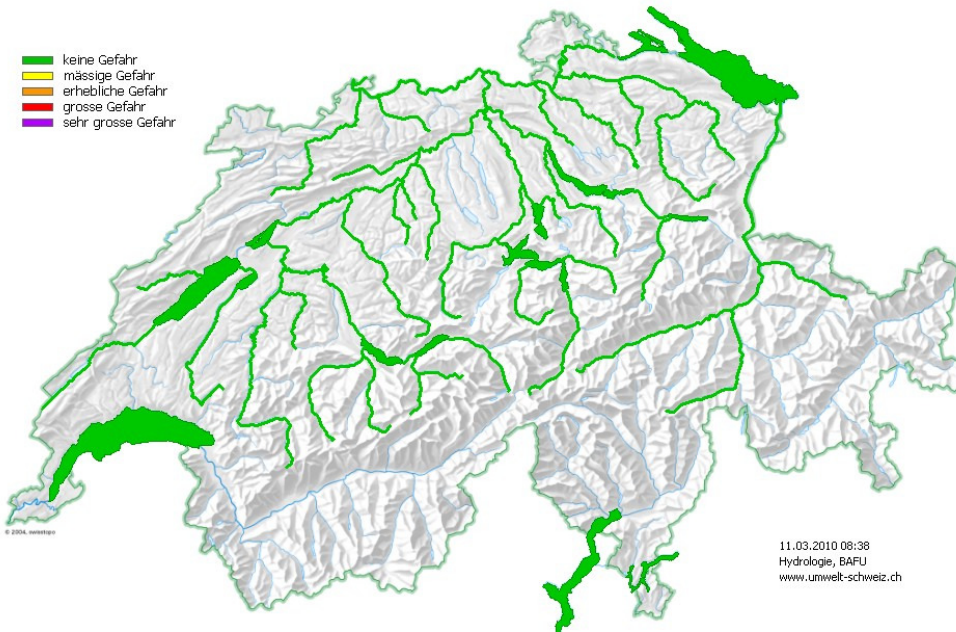




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● < HQ2
● > HQ2 - HQ10
● > HQ10 - HQ30
● > HQ30 - HQ100
● > HQ100

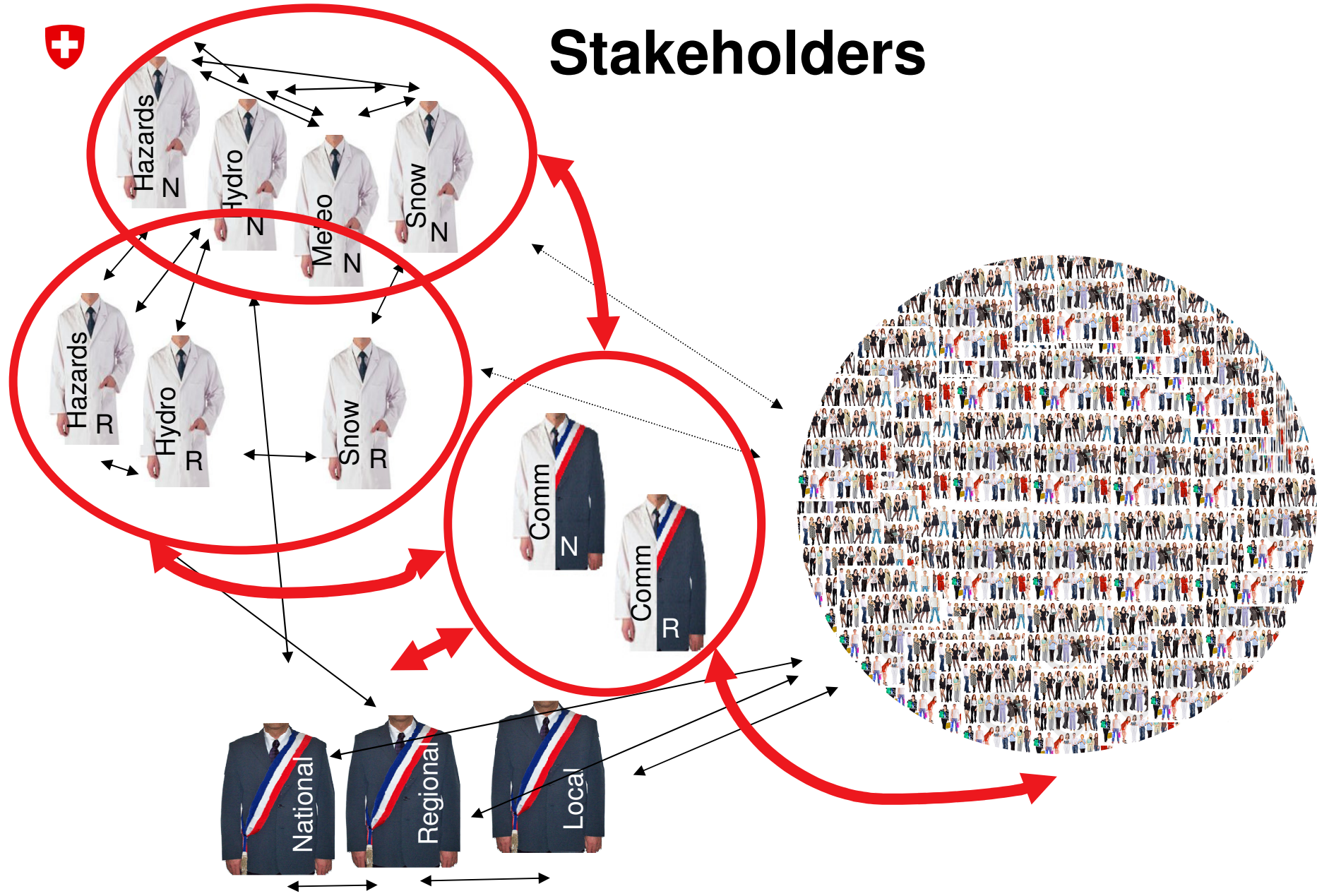


keine Gefahr
mässige Gefahr
erhebliche Gefahr
grosse Gefahr
sehr grosse Gefahr



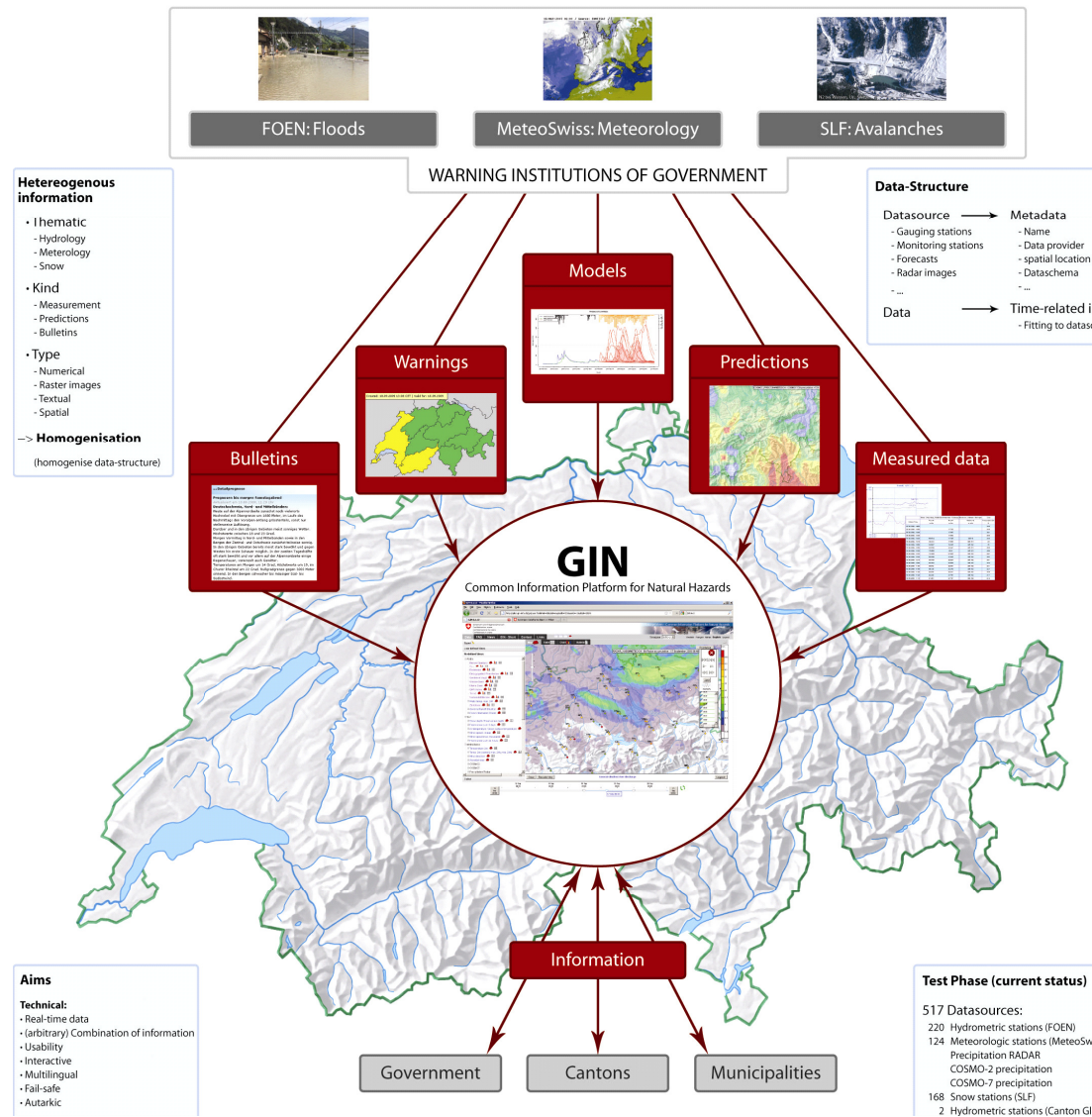


Stakeholders



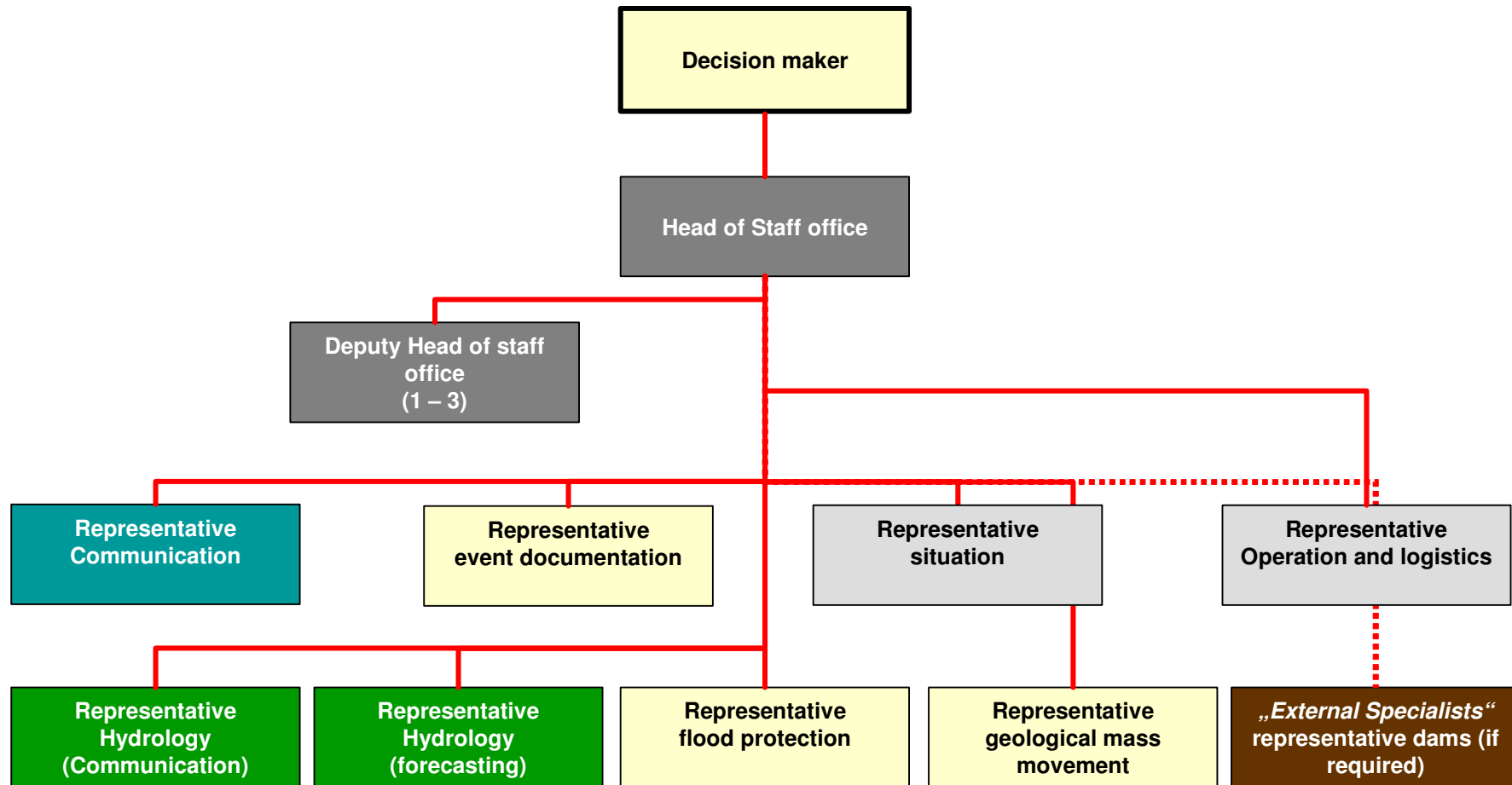


Tool: Information platform natural hazards





Organisation



Internal – National – Regional - Local



Communication warning



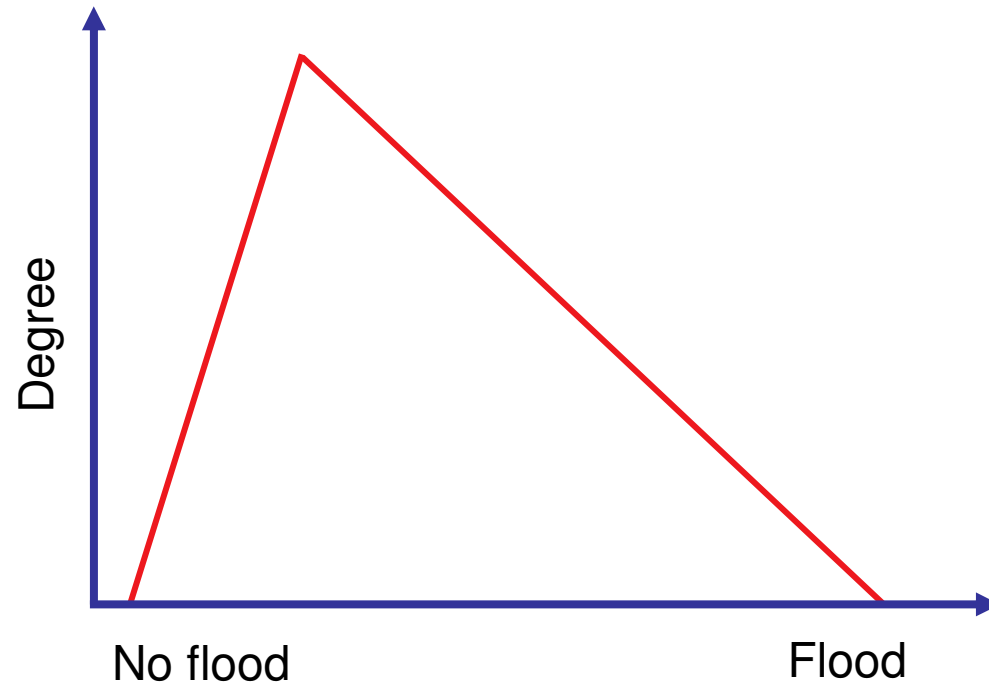
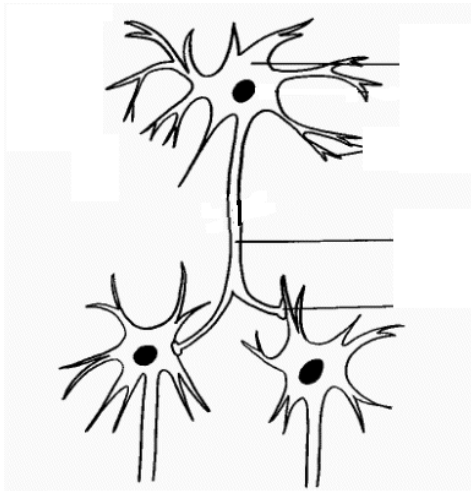
Advances in Flood Forecasting | Warning communication, communication warning
Dominique Béro



Communication warning



- Anticipate
- Do not underestimate
- Only a risk ?





Conclusions I

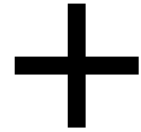
- Every informations must be available to authorities and specialists.
- Authorities have to be organised within different hierarchical levels.
- Communication between authorities, specialists and population should be very well prepared for:
 - risk situations
 - false alarms.

Technology Organisation Information



Conclusions II

Experts



Communication



Added value

