

IDIRA

Interoperability of data and procedures in large-scale multinational disaster response actions

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European situation



- Large scale disasters happen periodically
 - floods
 - earthquakes
 - forest fires
- Response cooperation
 - multi-national
 - multi-organizational

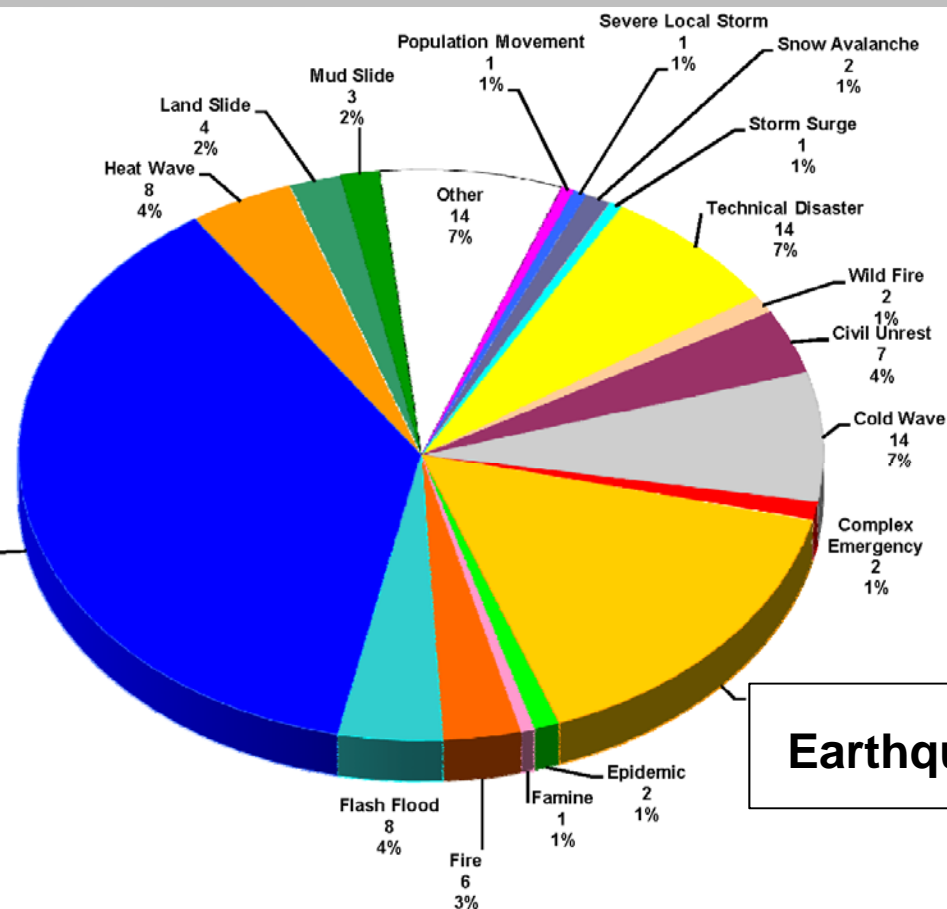


- How to manage efforts from different countries effectively?

Red Cross statistics as starting point



Floods: 37%



Earthquakes: 16%

Causes of RC/RC disaster response operations in Europe 2004-2009 (taken from IFRC statistics)

IDIRA: A Vision?



Imagine large-scale disaster response actions, where

- all acting organisations share a common operational picture,
- linguistic and technical communication barriers don't constrain an effective resource management,
- structures and procedures of information interchange are compatible.



Existing barriers



Temporal
horizon

Barriers for interoperability

Planning
perspective

Weeks

■ Administrative level

- Structures
- Legal background/mandates
- Resource management

Strategic level

Days

■ Command and control level

- Procedures
- Information handling

Tactical level

Hours

■ Field operations level

- Language
- Communication systems
- Equipment

Task level

Minutes

How to reduce barriers?



- To provide infrastructure

- central server and services
- ad hoc wireless communication
- common operational pictures



- To provide guidelines

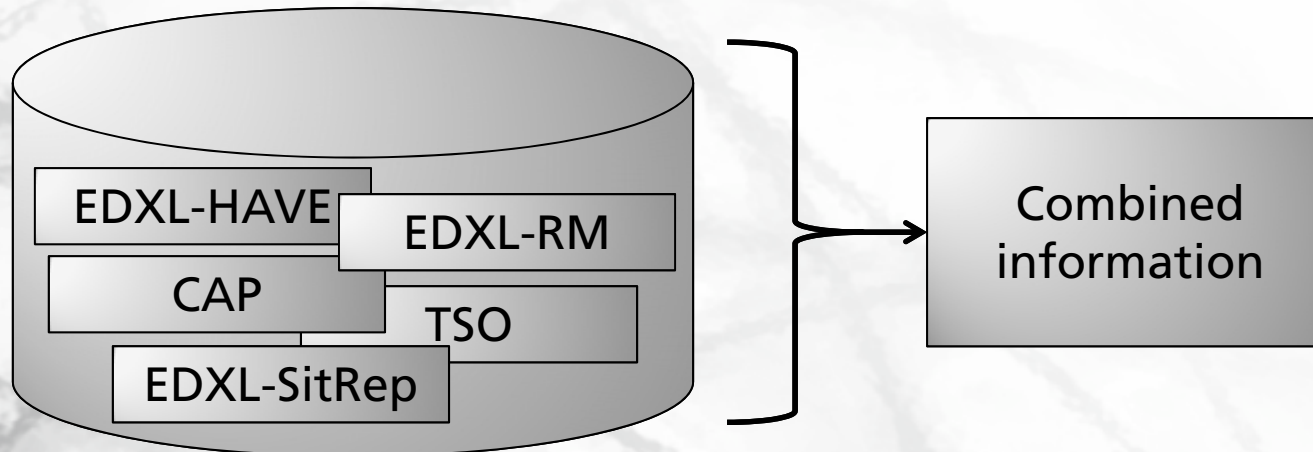
- validation and adaptation of existing processes
- description of successful rules and procedures
- recommendations for harmonization and standardization



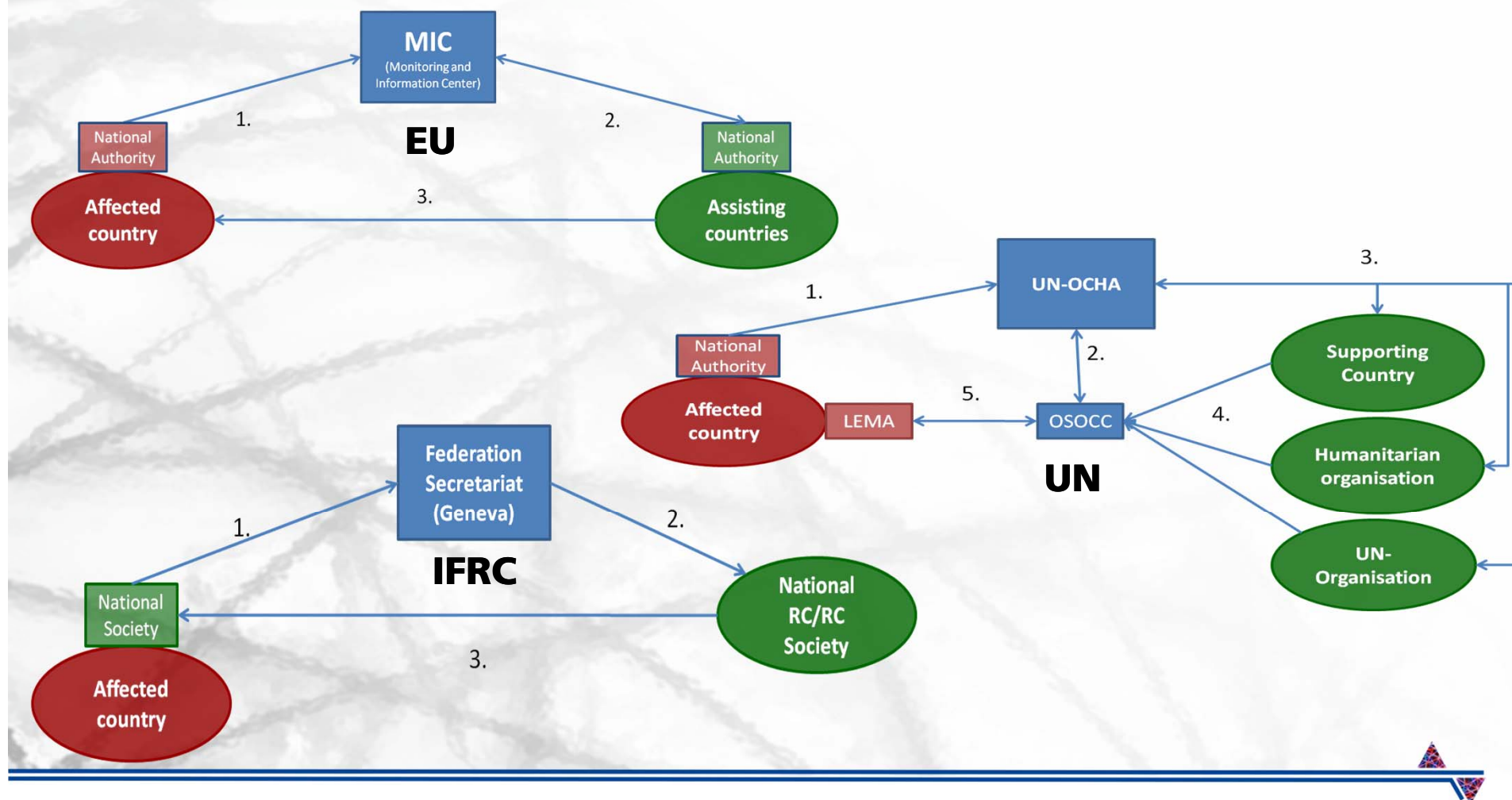
How to reduce barriers?



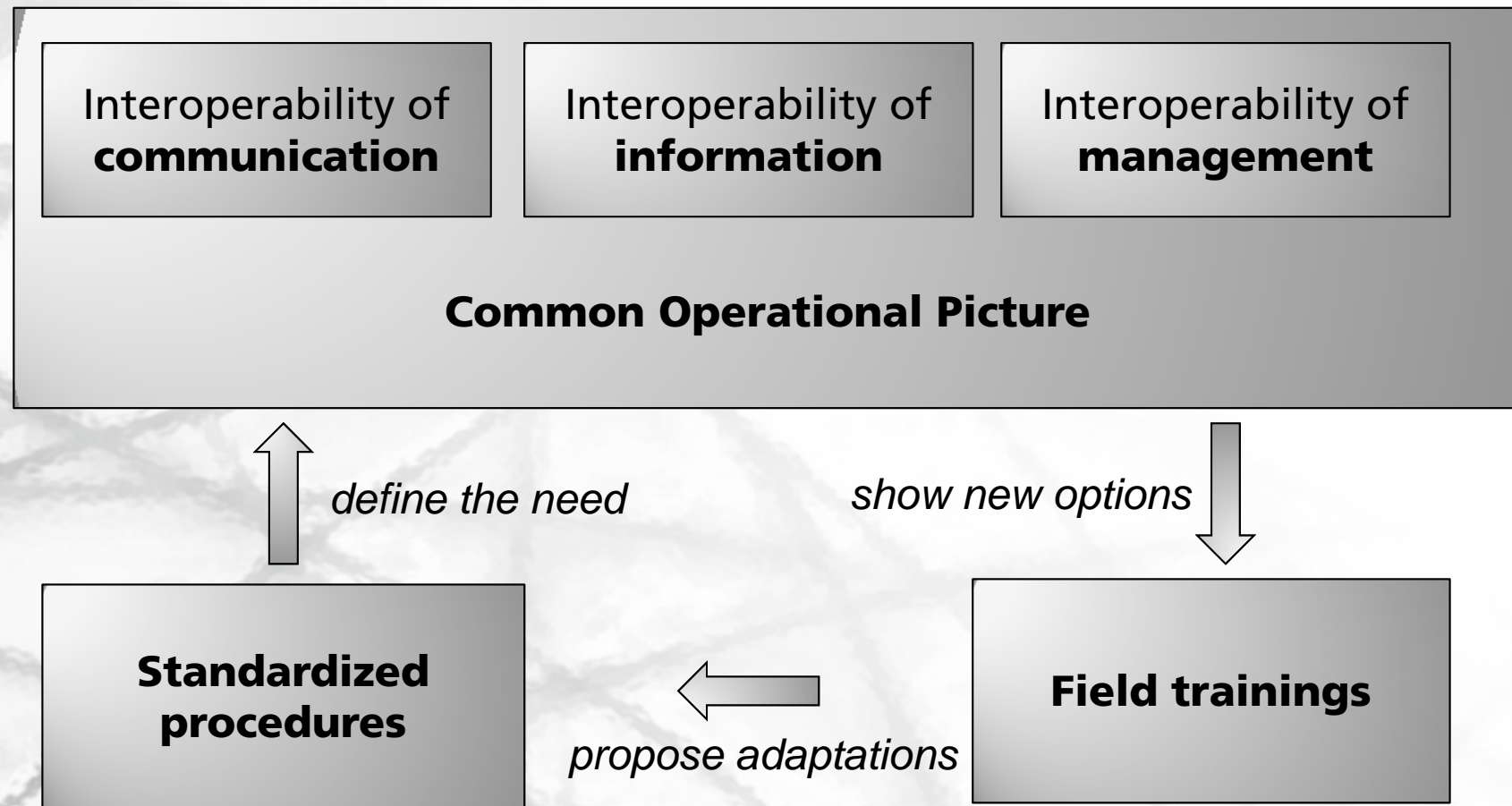
- To provide standards for information exchange
 - define new standards: long-term process
 - use and combine existing standards: feasible



Existing processes must be considered



General approach: common operational picture



Project in brief



- Start date: May 1st, 2011
- Duration: 48 months
- Budget: ca. €11 Mio.
- Consortium: 18 organization from 7 countries



ÖSTERREICHISCHES ROTES KREUZ



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