

# **Shared Situation Awareness An Enabler for Collaboration**

PSC Europe Forum Conference, October 2013 Bucharest, Romania



# **→** Thesis (1)

→ A common understanding of the situation is the most basic pre-requisite for successful communication and collaboration







Presentation Date: 2013-10-23



# → Thesis (2)

→ A collaborative culture of information sharing will become state of the art also in emergency, crisis and disaster management

You are, what you know

You are, what you share!



# → "You are, what you share!"

→ This paradigm change has already taken place in the domain of maintaining private social contacts.







→ This paradigm change is currently taking place in the private business. Shared workspaces are replacing email and folder structures.







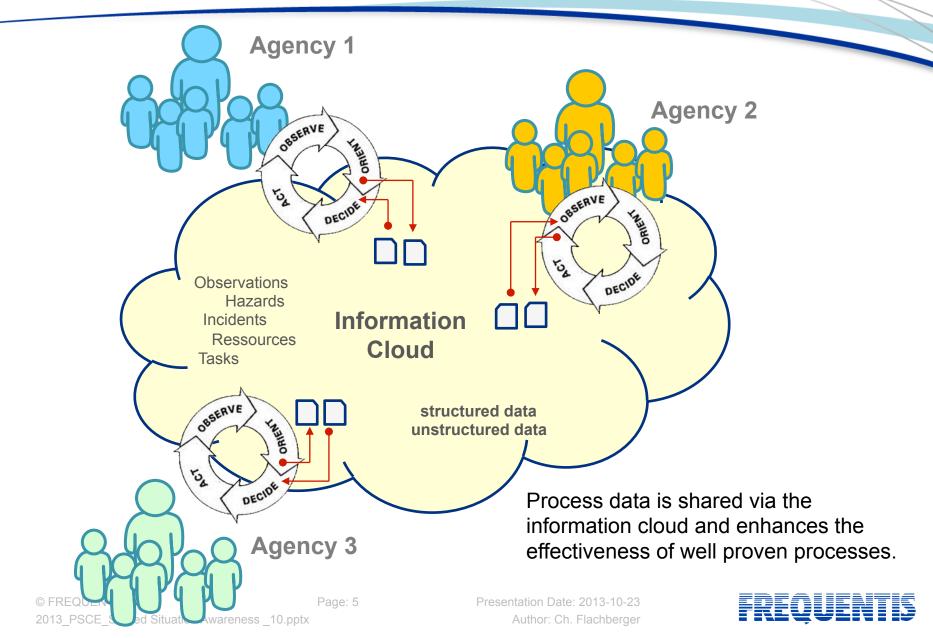
#### Intrexx Share central desktop

- → In the domain of emergency, crisis and disastermanagement, one of the enablers will be appropriate technology, providing:
  - technical interoperability
  - ease of use

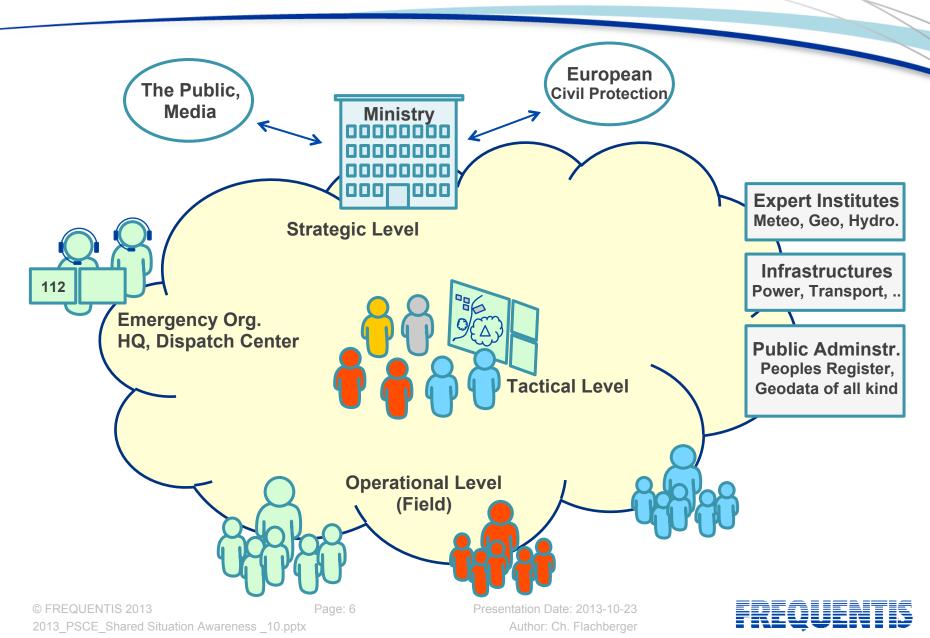


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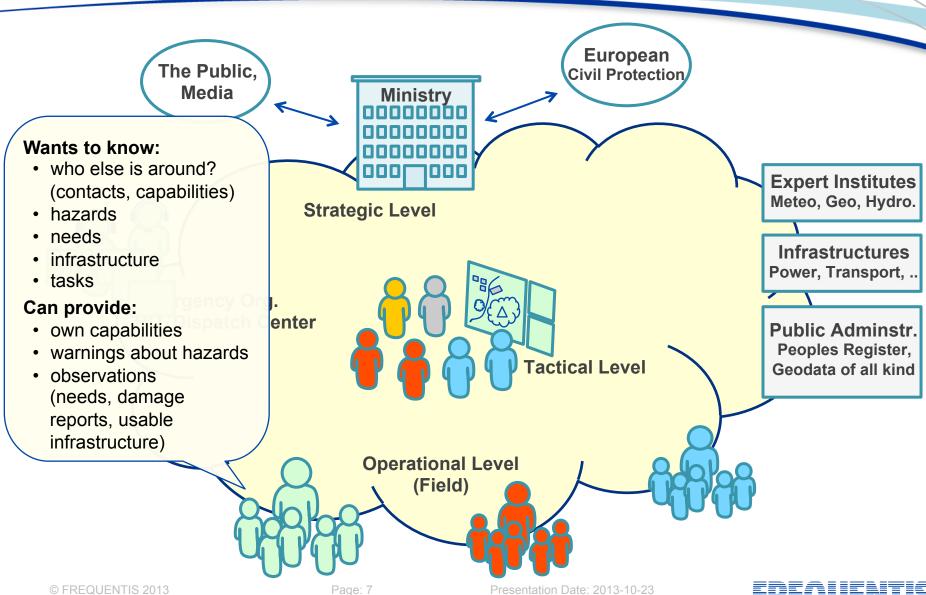
# → Don't change procedures – enrich them!



# → Collaborating Parties



# → Collaborating Parties

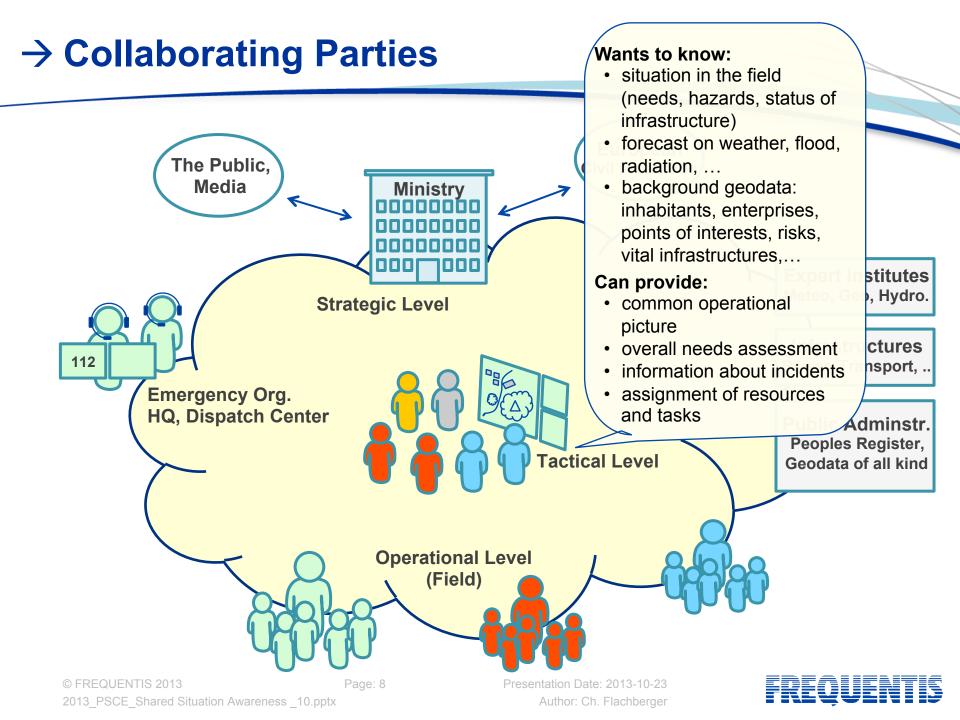


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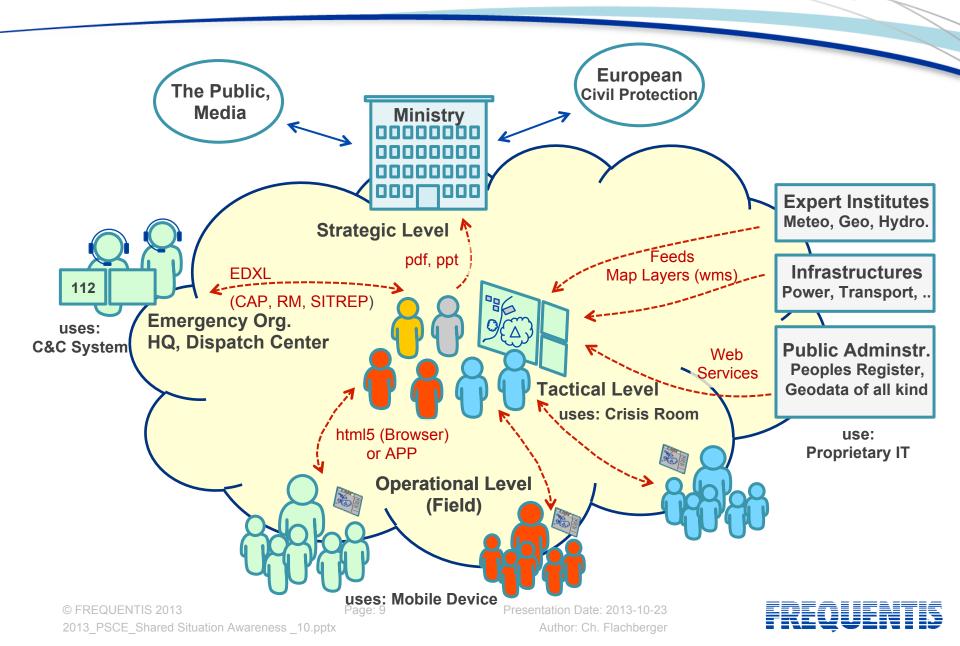
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**FREQUENTIS** 



# → There are Standards for Information Exchange



# → Communication Infrastructure



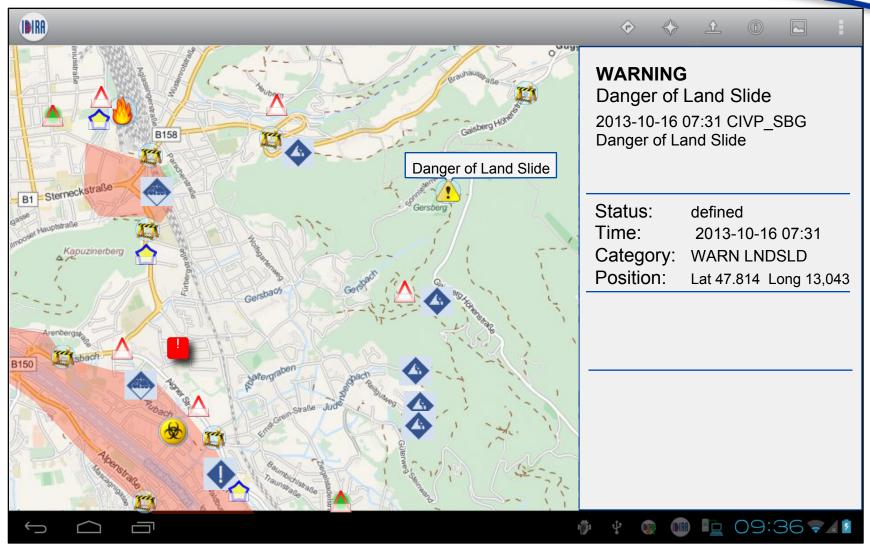
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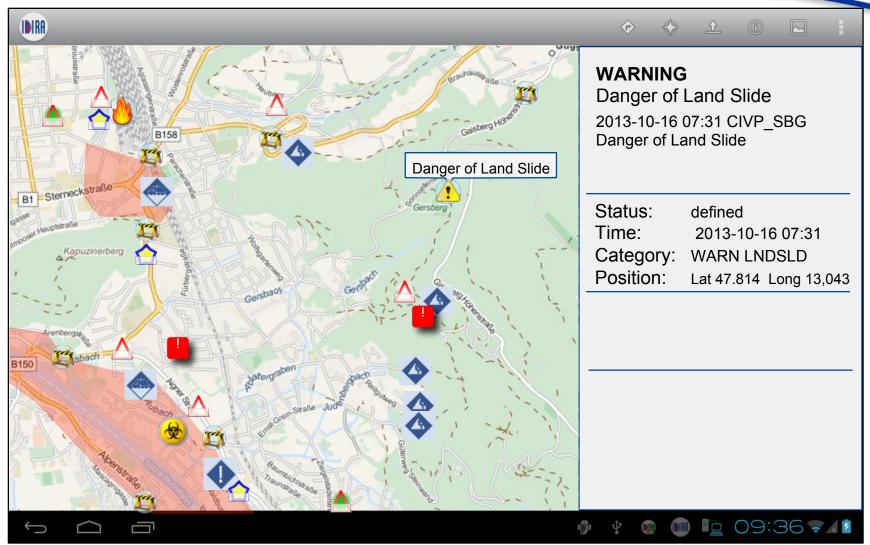
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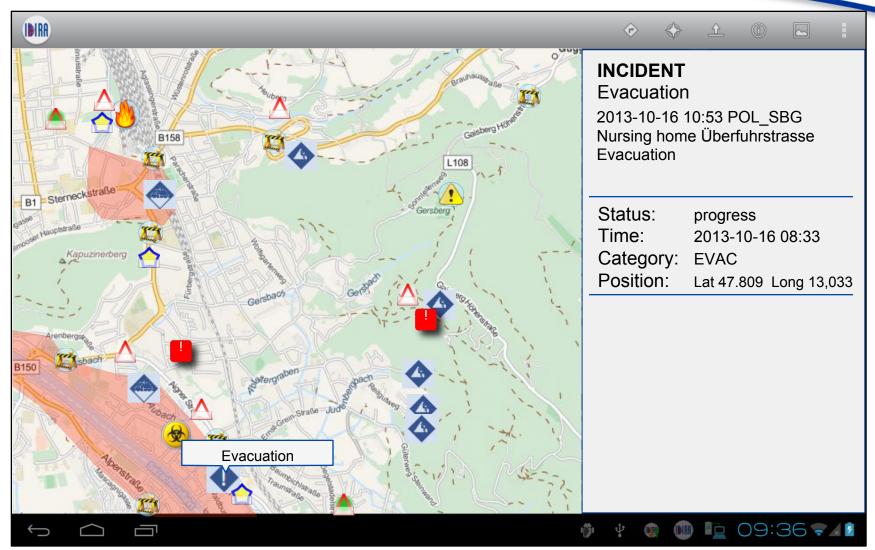






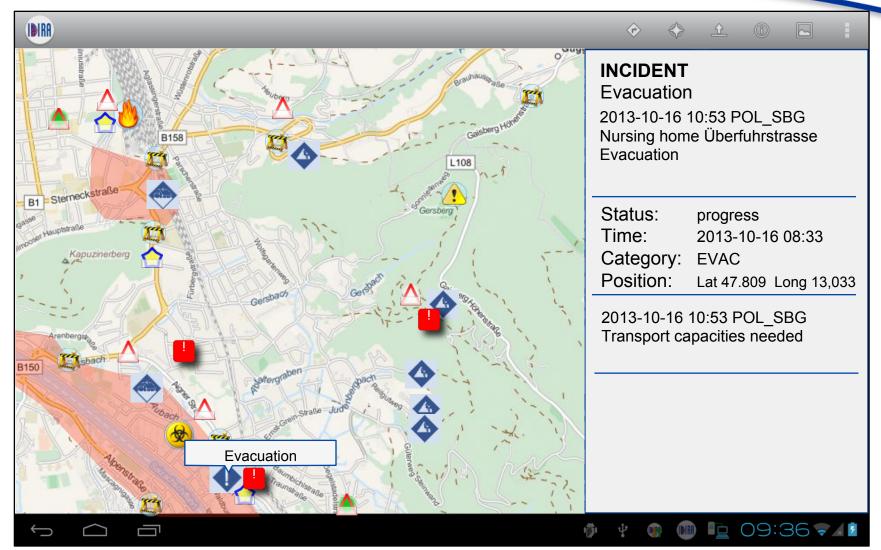
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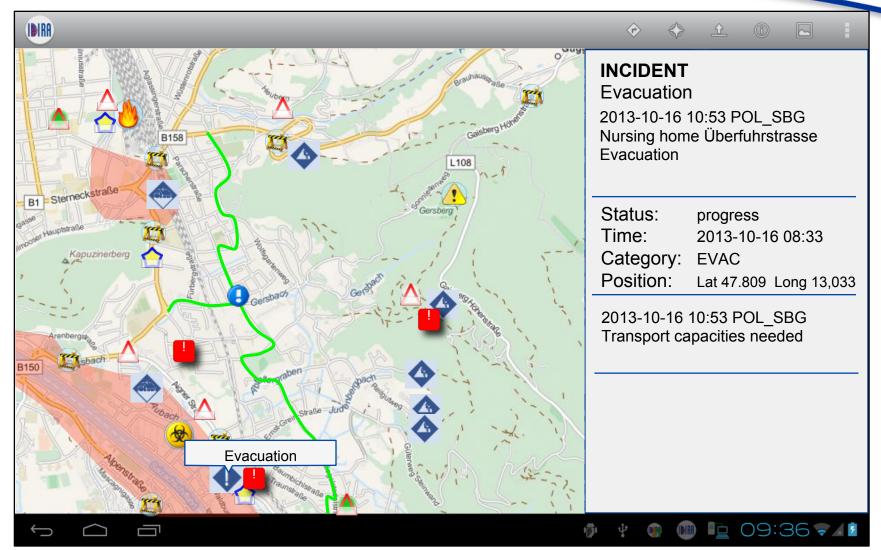
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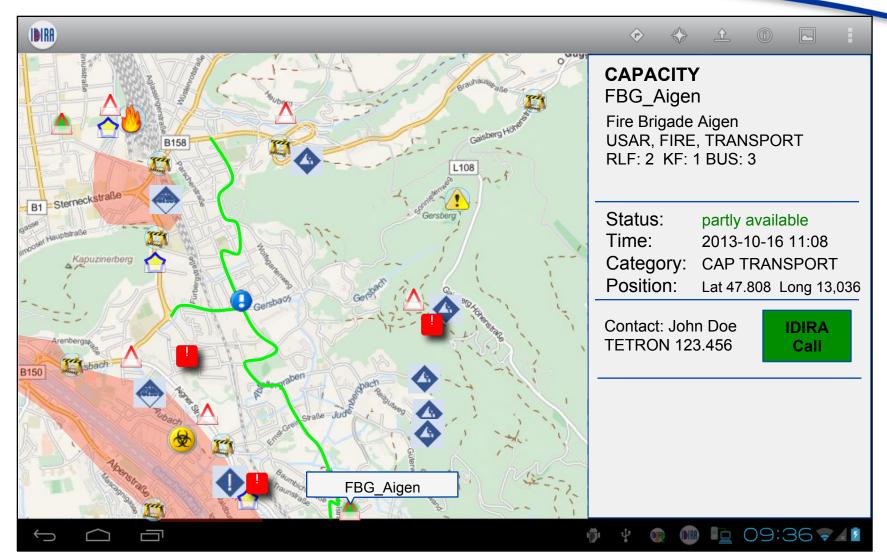
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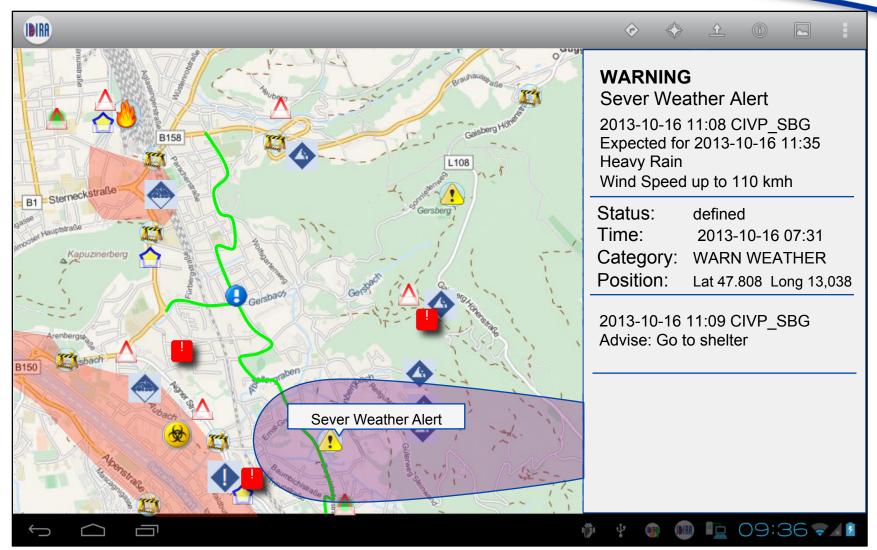




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# → Example: Field Commander



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## → Tactical Level



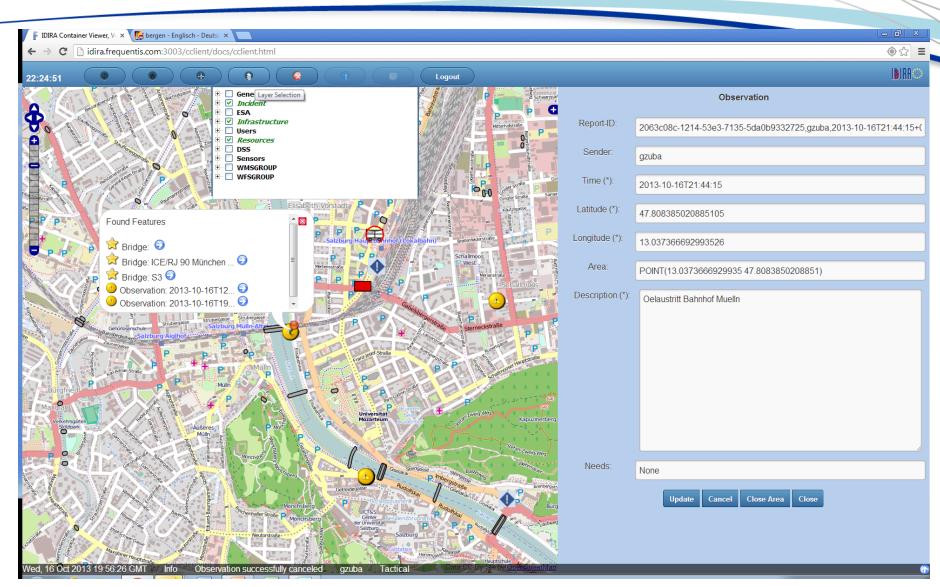
→ Civil Protection

→ Within the Projekt "IDIRA", we implemented a deployable Infrastructure

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## → Tactical Level



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### → Tactical Level

#### → Information exchange with all connected systems

C&Cs, public authorities, infrastructure providers, expert institutes

#### → Visualisation of the Common Operational Picture

- Selectable layers
- Combination of data from external systems and input from users

#### → Collaboration with the operational level

- Provision of the COP to the operational level
- Gathering of observations, needs, warnings posted by the field commanders
- Exchange of information about capacities and positions

#### Incident & Task Management

- Alerts and observations from different sources can be summarized to incidents (hides the details, avoiding information overload)
- Tracking of response actions on incident level
- Assignement of tasks to organisational units
   (operational resource dispatching remains within the responsibility of unit

**FREQUENTIS** 

# → Project IDIRA

"Interoperability of Data and Procedures in Large-Scale Multinational Disaster Response Actions"

Project start date: May 1st, 2011

Project duration: 48 months

Consortium: 18 organizations from 7 countries





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# → Project "DRIVER"

"DRiving InnoVation in crisis management for European Resilience"

Aftermath Crisis Management Demonstration Programme Phase II

#### Goal

Ability to adapt European CM to future demands

- European test bed for crisis management capabilities
- Well-balanced comprehensive portfolio of CM tools ("fieldable solutions")

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More shared understanding of Crisis Management (CM) across Europe

**Running Time:** 2014 – 2018 (4,5 years)

**Consortium:** > 40 Partners

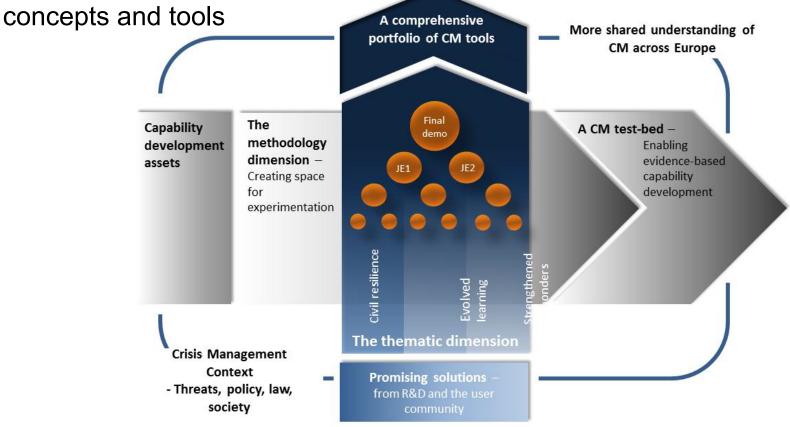
Projekt leader: ATOS (Spain)



# → Project "DRIVER"

#### **Project Concept**

A series of experiments (starting with small trials and ending with the big integrated final demo) is used for improving and validating existing





# → Project "EPISECC"

"Establish Pan-European Information Space to Enhance seCurity of Citizens"

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#### Goal:

Common Information Space for Crisis and Disastermanagement

#### **Running Time:**

2014 – 2016 (36 months)

Consortium: 12 Partners

**Project Lead:** Austrian Institute of Technology

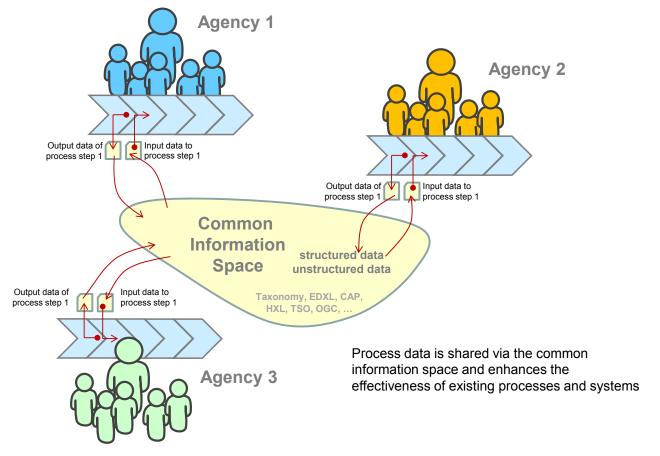


# → Project "EPISECC"

#### **Project Concept**

Structured and unstructured information is shared between different

agencies



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