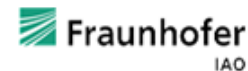




A DEcision Support Tool for Reconstruction and recovery and  
for IntEroperability of international Relief units in case Of  
complex crises situations, including CBRN contamination Risks

# Overview of the project

DESTRIERO Consortium



- Context
- Goals and scope
- DESTRIERO platform
- Where we are
- Next steps



- Natural or man provoked disasters are an ever-present threat for citizens.
- Moreover, in our developed countries disasters can often trigger dangerous chain reactions.



CBRN contamination can extend the recovery period, which may even last up to 10 or 20 years.

This complex scenario requires effective collaboration among several organizations for assessment and recovery.



Significant efforts have been made to align international collaboration, but no suitable software tool is available to ensure coordination at the operational level.



DESTRIERO will provide

- Continuous damage and contamination assessment, monitoring and updating, through a combination of in-field data;
- Effective mechanisms to share data between relief organizations and their information systems.

- Support to prioritization and joint decision making with a novel tool, based on recently developed decision support methodology and prototype software.
- Centralized management information, high level overview of running recovery projects recovery progress information, including linkages to official procedures.

DESTRIERO is a platform that allows connected users to actively participate in PDNA\* and RRP\*\* processes for Post Crisis Reconstruction and Recovery.



\*Post-Disaster Needs Assessment

\*\*Reconstruction and Recovery Planning



DESTRIERO's Network of Nodes provides services to allow connected systems to cooperate each other in order to participate to PDNA and RRP processes.



- DESTRIERO will be connected to systems (Legacy and DESTRIERO Enabled), where shared data and services could be provided directly (as for NGOs, IOs or public authorities) or interfacing with primary sources (as sensors).
- DESTRIERO has only access to information that is actively provided to the system.

- DESTRIERO will support structured (e.g., XML) and unstructured data (e.g., data from social media).
- DESTRIERO will only support decision making by providing relevant information, but will not offer any intelligence of its own.

- A complex realistic application scenario has been defined.
- User requirements have been collected.
- Data model and information model for interoperability have been designed.
- System Architecture is being designed.

- 3 events following a story line producing a cascade effect:
  - A big earthquake
  - A big flood
  - A CBRN contamination incident



- Simple and intuitive HMI providing a shared situation awareness picture on a GIS
- System intuitive, scalable, modular, flexible and easily deployable
- Secure storage of sensitive data and easy access to different data bases only to authorized users

- Simple interfaces to share external data
- Sensors integration, including mobile
- Messaging capabilities
- Integration of information flows from satellite devices like SAR
- Use of common architectures and COTS networking HW

- System architecture will be finalized
- The modules composing the proposed architecture will be implemented and integrated in the final system.
- Demonstration and validation of the final system with end users will be carried out in the defined scenario



- System architecture will be finalized
- The modules composing the proposed architecture will be implemented and integrated in the final system.
- Demonstration and validation of the final system with end users will be carried out in the defined scenario

## DESTRIERO “Next generation damage and post-crisis needs assessment tool for reconstruction and recovery planning”

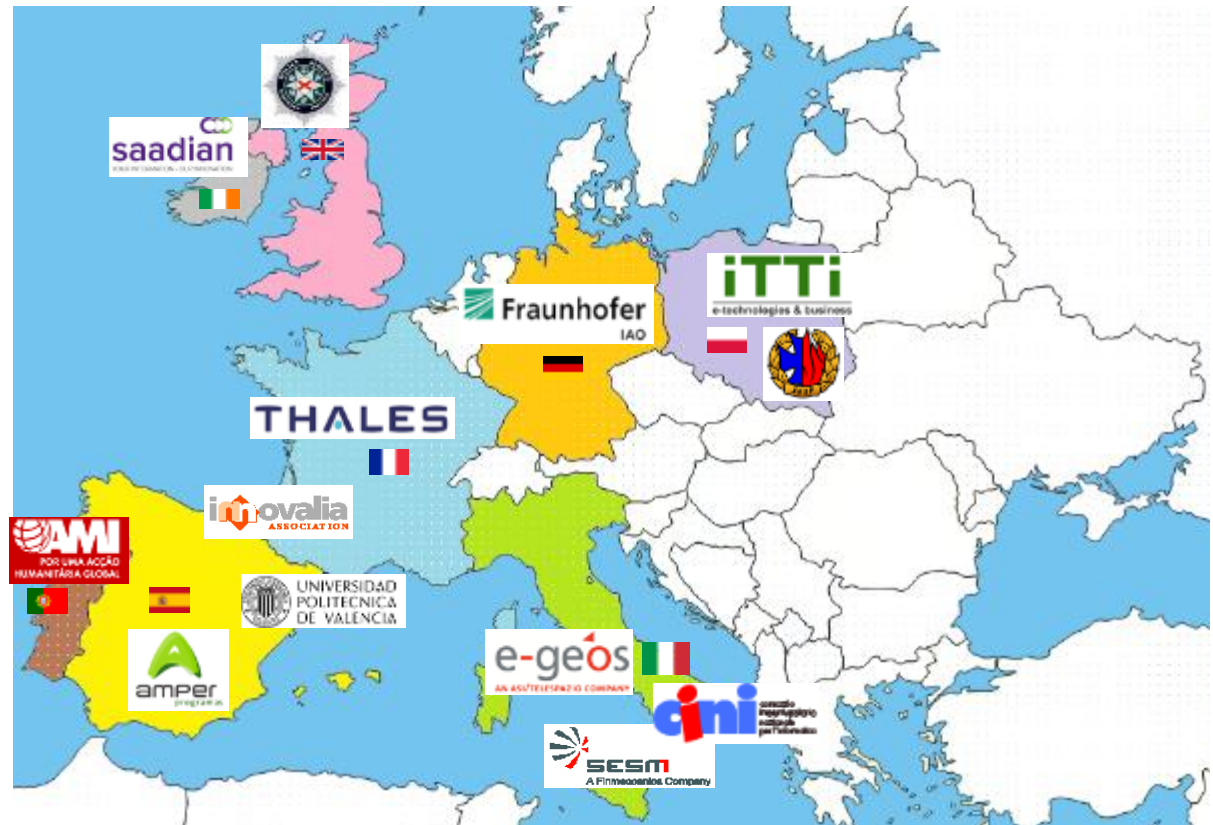
is an FP7 Collaborative Project Call SEC-2012.4.3-1:

### Project main features

- 4,1 M€ budget
- 2,9 M€ EU Contribution
- 36 months duration

### Consortium

- 13 partners
- Partners from 8 countries
- Plus User Group



DESTRIERO promotes and strongly supports the involvement of end-users (first responders, relief organizations, NGO) to gather their needs and receive feedback

For more information:

**@destriero\_fp7**

**[www.destriero-fp7.eu](http://www.destriero-fp7.eu)**

**[info@destriero-fp7.eu](mailto:info@destriero-fp7.eu)**

**Participate to our survey:**

**<http://www.destriero-fp7.eu/survey/>**

Thank You!

