



## Improving decision making in complex crises situations

### Challenge:

Natural or man-made disasters have a major impact on the living conditions, economic performance and environmental status of affected countries or regions. Consequences may be long term and can significantly deteriorate quality of life, social structures and the environment, particularly in developing countries.

Regions affected can be vast and reconstruction and recovery operations are longer-lasting, costly and complex. Adequately coordinated damage and needs assessment, reconstruction and recovery planning can contribute greatly to mitigate the economic and humanitarian impact of such disasters and speed-up the required actions to restore the situation in “a state close to the original one”.

In such situations emergency operations, damage and needs assessment and reconstruction activities are coordinated by local authorities, with the support of a variety of different national and international relief organisations acting in relatively autonomous manner.

Although significant efforts have been undertaken by international organisations to coordinate stakeholders in the early recovery management stages, no supporting software tool is available, and important gaps remain in optimising coordination at the operational level.

### Solution:

To fill this gap, DESTRIERO will offer a next generation post-crisis needs assessment tool, to collect data in interoperable formats, in combination with an advanced multi-criteria decision analysis tool. Such a

novel decision support tool will determine priorities in the crisis reconstruction phase and strategic decision-making.

### DESTRIERO will provide a system with the following functionalities:

- Support continuous damage and contamination assessment, monitoring and updating, through a combination of satellite data and aerial photos enriched by in-field data collection by mobile devices and related data integration and analysis.
- Boost information sharing between relief organisations and their information systems for coordinated damage and needs assessment as well as reconstruction and recovery operations.
- Support prioritisation and joint decision making with a novel tool, based on recently developed decision support methodology and prototype software.
- Centralise management information, high level overview of running recovery projects with finance from multiple donors, recovery progress information, including linkages to official procedures and on-line platforms from international donor and coordinating organisations.

DESTRIERO will adopt internationally agreed methodologies and procedures for disaster recovery, such as Inter-Agency Standing Committee (IASC) Operational Guidance for Coordinated Assessments in Humanitarian Crises and the Damage and Loss Assessment (DaLA).

We would like to involve end-users and organisations to gather their needs and receive helpful and continuous feedback at each project stage, including the analysis of up-to-date tools.

Register to our website:

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

You can contact with the DESTRIERO partners through the dedicated forum.

A quarterly newsletter will inform about our initiatives and workshops.

Follow us on twitter: [@destriero\\_fp7](https://twitter.com/destriero_fp7)

**Project full title:** A DEcision Support Tool for Reconstruction and recovery and for the IntEroperability of international Relief units in case Of complex crises situations, including CBRN contamination risks.

**Project acronym:** DESTRIERO

**Start date:** 2013-09-01

**End date:** 2016-08-31

**Duration:** 36 months

**Programme type:** Seventh Framework Programme

**Project reference:** 312721

**Project cost:** 4.171.403 €

**Project funding:** 2.933.015 €

**Programme acronym:** FP7-SEC

**Subprogramme area:** Recovery

**Contract type:** Collaborative Project

**13 partners from 8 countries**

**3 end users**

**Project Coordinator:** e-GEOS

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