



# Tsunami risk and strategies for the European region

## Fact Sheet

### Project Information

TRANSFER

Grant agreement ID: 37058


Start date  
1 October 2006

End date  
30 September 2009

Funded under  
FP6-SUSTDEV

Overall budget  
€ 4 716 037

EU contribution  
€ 3 305 685

Coordinated by  
ALMA MATER STUDIORUM-  
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## Objective

The project main goal is to contribute to our understanding of tsunami processes in the Euro-Mediterranean region, to the tsunami hazard and risk assessment and to identifying the best strategies for reduction of tsunami risk. Focus will be posed on the gaps and needs for the implementation of an efficient tsunami early warning system (TEWS) in the Euro-Mediterranean area, which is a high-priority task in consideration that no tsunami early warning system is today in place in the Euro-Mediterranean countries.

The main items addressed by the project may be summarised as follows. The present Europe tsunami catalogue will be improved and updated, and integrated into a worldwide catalogue (WP1). A systematic attempt will be made to identify and to characterise the tsunamigenic seismic (WP2) and non-seismic (WP3) sources throughout the Euro-Mediterranean region. An analysis of the present-day earth observing and monitoring (seismic, geodetic and marine) systems and data

processing methods will be carried out in order to identify possible adjustments required for the development of a TEWS, with focus on new algorithms suited for real-time detection of tsunami sources and tsunamis (WP4).

The numerical models currently used for tsunami simulations will be improved mainly to better handle the generation process and the tsunami impact at the coast (WP5). The project Consortium has selected ten test areas in different countries. Here innovative probabilistic and statistical approaches for tsunami hazard assessment (WP6), up-to-date and new methods to compute inundation maps (WP7) will be applied. Here tsunami scenario approaches will be envisaged; vulnerability and risk will be assessed; prevention and mitigation measures will be defined also by the advise of end users that are organised in an End User Group (WP8). Dissemination of data, techniques and products will be a priority of the project (WP9).

## Programme(s)

## Topic(s)

## Call for proposal

FP6-2005-GLOBAL-4

## Funding Scheme

STREP - Specific Targeted Research Project

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**Last update:** 31 May 2012

**Record number:** 81399

**Permalink:** <https://cordis.europa.eu/project/id/37058/>

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