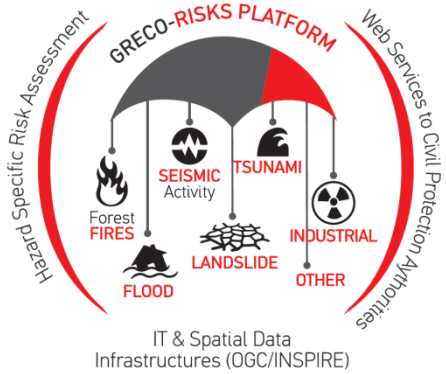
Ref no: 1302	Project title		“GrecoRisks” Hellenic Natural-Hazards Risk-Management System of Systems					
Epsilon	Country	Overall project value (EUR)	Proportion carried out by candidate (%)	No of staff provided	Name of client	Origin of funding	Dates (start/end)	Name of partner(s) [if any]
	Greece	627.200,00	38% 240.800,00€	11	General Secretariat for Research and Technology	EU (ERDF) GREECE	11/2013-06/2015	ATESE SA, DASYC SA, DEMOKRITOS NRC, UoA, UoI, GSCP, EUROLIFE

Description of the Project

GrecoRisks delivers a Multi-Risk web-Platform integrating Risk Modules for nine Hazards, also based on the New EU Civil Protection legislation (http://eeas.europa.eu/enp/eu-programmes/pdf/19-civil-protection-presentation_en.pdf) :

1. Earthquake
2. Forest fires
3. Landslide
4. Ground movement
5. Volcano
6. Tsunami
7. Extreme weather
8. Flash-floods
9. Industrial accidents.



Modules use as input past observations, simulated data and references for Greece combined with GIS that delivers Hazard & Risk Maps. Project data is structured based on INSPIRE principles. Project maps visualize the variation of hazards magnitude, vulnerability and expected impacts, also based on calibration procedures.

GrecoRisks acts as an IT “*umbrella*” for the Risk Modules offering a valuable tool for Risk Analysis via a user-friendly interface. The end-user can:

- highlight areas or elements prone to particular risks
- obtain information about the risks within the Greek territory
- simulate scenarios for a single or more hazards
- create maps with multiple thematic layers
- support the analysis of complex problems such as: *given a hazard scenario what could be the impact and at what cost vs recovery* and other..

The Platform contributes to integrated Risk Assessments and Mapping that can increase preparedness at national level and beyond. It can enhance resilience to crises due to natural or man-made disasters as part of an integrated strategy towards risk mitigation and management.

Type & scope of services provided

GrecoRisks delivers an effort of 250+ person months with seven Work Packages including next to Project Management:

- WP1: Technical, administrative & financial management.
- WP2-4: Scientific & technological
- achievements
- WP5: Testing and validation of the GrecoRisks platform
- WP6-7: Dissemination & Marketing campaign “during” and “after” the project

Project deliverables include amongst others:

- System Design & Architecture
- Best Practice Review & Methodologies Selection
- Module & Platform Development & Integration
- Project Dissemination
- Exploitation Plan & Business Plan

Key Words

Civil protection, vulnerability, resilience, natural disasters, man-made disasters, geohazards, hydrometeorological hazards, risk analysis, risk mapping, GIS web platform, OGC/INSPIRE, Greece

Reference

D. Kallidromitou & M. Bonazountas