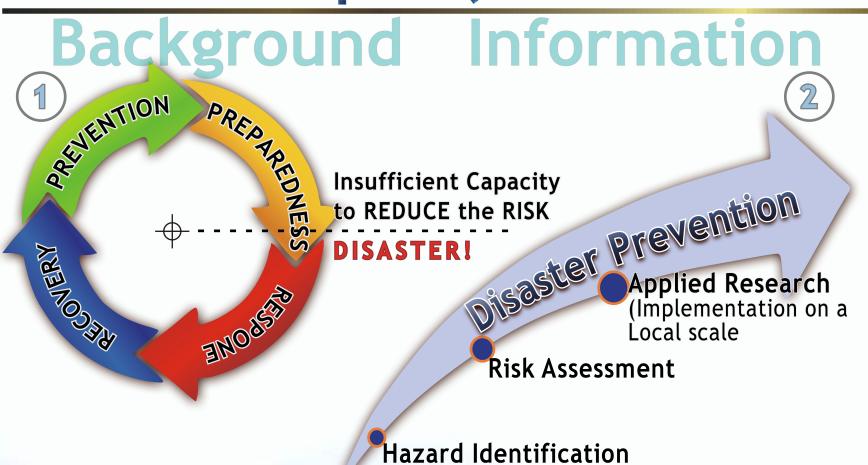






A Scientific Network for Earthquake, Landslide and Flood Hazard Prevention



The....Information Gap! (EU Commission 2009, 2010, 2012)



- Usable Data are still lacking (inventories for landslides and floods do not exist or are not accessible).
- Metadata are not supplied (so it's very difficult to assess reliability and accuracy of available data; if found).
- Hazard identification & Risk assessment on a local scale (which could provide the essential information for planning preventive measures, has only been sparsely implemented).
- Different methodologies are used (to assess Hazards, making comparison of results, impossible).

Scope of the SciNetNatHaz Project

To establish a strong regional cooperation by developing a SCIentific NETwork for Earthquake, Landslide and Flood (ELF) Hazard Prevention (target A) which will set the basis for:

- B. Systematic data acquisition, harmonization, management and sharing with the scientific community
- C. Harmonization of Methodologies and Procedures adopted to assess ELF hazards
- D. A systematic Hazard assessment Pilot implementation in selected areas so that Preventive Measures can be proposed
- E. Sharing competencies with the stakeholders (scientific community, administration, education, the public)



Current Status Assessment (Legislation, Stateof the-Art, Stateof-Practice)

Data collection & Processing

(Analogue & Digital data, Topographic

and Thematic maps, tables, Satellite

Review of Applied and available **Methodologies**

Evaluation of Methodologies Criteria: Quality & Completeness of Results, **Applicability**

> Selection of Methodologies to be used for Hazard Assessment on Regional and on Local scales

Pilot Implementation on Regional Scale to assess Earthquake, Landslide & Flood Hazards



Pilot Implementation on Local/site specific Scale to help design preventive measures



Development of a Geo-DataBase and a Web GIS platform to share data and results



Step-by-Step tutorials of Methodologies & procedures using Open Source Software, Training Seminars



Achievements within the 1st year of implementation

Applied Research on a Local Scale

(Target) A:

and aerial images etc)

More than 80 Scientists are already participating in the Project coming from 12 different Universities, Academies of Sciences and Research Institutes around the Black Sea area. More scientists have expressed their interest in being voluntarily involved in the implementation phase.

Three Presentations in International Conferences 3 and

Four Paper Publications in Scientific Journals have already been supported by the project.

B: Topographic and Thematic maps in analogue and digital format, digital and tabular data were collected, processed and Metadata files created according to the INSPIRE directive (around 1000 files) dation area for a 10, 50 and

100 year return period C: Harmonized Methodologies selected/adapted to local conditions are proposed and are being used for ELF Hazard assessment throughout the implementation area.

D: Pilot Implementations of Flash Flood Hazard assessment/Design of Preventive measures, have already been carried out in two areas in Greece and is undergoing in two areas in Romania.

E: A Geodatabase has been developed as part of a WeGIS which will host both data and Results produced by the Project. Open source software has been adopted for all applications in order to be shared with the stakeholders. Open Seminars are being scheduled for the next months.





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