

O P E N R S C E U P P O R T U N I T

Summer School

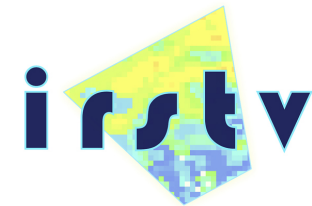
28th June - 9th July, 2010. Girona



Erasmus IP

This project has been funded with support from the European Commission. This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

Partners Contribution



Partner Collaboration



Universitat de Girona
Departament de Geografia

Floods & Vulnerability analysis



Timetable	Activity
09.00h to 11.00h	Theoretical Concepts Discussion
11.00h to 11.30h	Coffe break
11.30h to 13.00h	Hands On Exercises. Workshops & Tutorials
13.00h to 14.30h	Free Lunch
14.30h to 17.30h	Working Groups: Developing the Project

Main tasks to develop within the project:

- + Data editing and Data preparation
- + Spatial analysis
- + Creation of OWS
- + Publication of OWS

Examples of analysis to do:

- + Refinement of flooding cartography for different return periods**
- + Analysis and cartography of Risk Exposition**
- + Analysis of vulnerability inside flooding areas:
 - + cultural heritage, demography and socio-economical structure of the population, quality and buildings structure, ...****
- + Locate intersections between roads and rivers**
- + Locate the most vulnerable population and identify areas of special surveillance in case of risk.**

Examples of analysis to do:

- + Analysis of communication routes cut off by flooding areas, and search for alternatives
- + Analysis of accessibility to services with vulnerable population: hospitals, schools, geriatrics,...
- + ...

Data available

- + Flooding areas for different return periods
- + Predict the flooding area and estimate the population to evacuate
- + Municipal services:
 - + Health Services
 - + Cultural centers
 - + Buildings of cultural interest
 - + Schools
 - + Community centers

Data available

- + Origin of People
- + Structure of the Population
- + LiDAR data
- + ...



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