



Form for projects ideas

Project acronym: CLICORDIS
Project name: CLIMATE CHANGES IMPACTS ON COASTAL
EROSION AND FLOOD RISK - EVALUTAION AND PREVENTION STRATEGIES

Priority:

- 1 Spatial development approaches and actions for social and economic cohesion
- 2 Sustainable transport systems and access to the information society
- 3 Promotion and management of landscape, natural and cultural heritage
- 4 Environmental protection, resource management and risk prevention
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Lead partner

Institution: (to be defined) temporarily: Emilia-Romagna Region.
Environment, Soil and Coast Defence - Directorate General

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Funding

Project costs (in €)

ERDF funding:

National co-financing (EU):

Other EU funding (PHARE, CARDS, etc):

National co-financing (Non EU):

Private funding:

TOTAL: to be defined (1,5 - 2,0 M€ approx)

Project description:

It is widely recognized that the climate is changing at a very fast rate. Main changes are related to the increase of global and local temperatures and the resulting modification of rainfall spacetime distribution, severe weather events, Sea Level Rising, storm waves and storm surge events in coastal areas.

These primary effects generate a relevant modification of land vulnerability and a number of direct and indirect impacts on the environment and territories socio-economic attitudes.

A main purpose of the project is therefore to define common strategies to manage and mitigate the negative effects of expected climate changes and to reduce their impacts, mainly with respect to erosion and flood risk on coastal zones and in river basins within the CADSES area. The strategies should be applied on a decade time scale, through spatial planning and programming instruments.

Central objectives:

- to evaluate the change of the land vulnerability within the regions in the CADSES domain, as consequence of future climate scenarios;
- to assess the impacts related to the land vulnerability, altered by modified climate conditions;
- to define integrated strategies and actions for the prevention of negative effects due by future climate scenarios in the CADSES domain, through the enhancement and strengthening of transnational co-operation.

Expected outcome:

- knowledge of the modified land vulnerability, in a future climate changed scenario, of coastal areas and river catchments within the CADSES domain;
 - knowledge of physical, biological and socio-economic impacts, induced by future climate scenario, on coastal and river catchment systems;
 - creation of a network (amongst scientific community, territorial government and spatial planning institutions) for knowledge transfer from the research institutions and meteorological services to the authorities in charge for territorial management within the CADSES areas;
 - guidelines documents for mitigation/adaptation strategies;
 - design actions for water and land managing, programming and planning to prevent and reduce negative impacts of climatic changes;
 - pilot actions, feasibility studies and projects for risk mitigation and vulnerable areas defence interventions;
 - increase of territorial safety for coastal zones and river catchments threatened by the effects of future modified climate conditions.
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Project duration (MM/YYYY) : from 06/2005 to 06/2007

Project partners

Already found: Emilia-Romagna Region, Marche Region (Meterology and Hydrology Coordination Center), Abruzzo Region (CETEMPS), ARPA-SIM Emilia-Romagna, ENI-Enrico Mattei Foundation, University of Stuttgart (Institute of Hydraulic Engineering), University of Wien (Institut fur Meteorologie und Physik), University of Thessaloniki, National Institute of Hydrometeorology (Croatia), National Institute of Meteorology and Hydrology (Romania)

Are you open for additional partners? **Yes** **No**

If yes, what partners are you looking for?

National or Regional Authorities for environment, spatial planning and territorial management, land and coastal zone defence.

Follow up from INTERREG II C:

Links to other III B projects:

- RiskAware
- CADSEALAND