



## **Bottom-up Climate Adaptation Strategy for a Sustainable Europe**

Il progetto **BASE** è un progetto finanziato nell'ambito del Settimo Programma Quadro dell'Unione Europea. Al fine di addivenire ad una più coerente integrazione delle politiche di adattamento nelle politiche istituzionali dei paesi membri, il progetto intende migliorare la conoscenza di strategie, costi e impatti dell'adattamento ai cambiamenti climatici riducendo, con nuove combinazioni di modelli quantitativi, il divario fra le valutazioni economiche top-down e quelle bottom-up derivanti dai casi studio realizzati nell'ambito del progetto.

Sito web: <http://base-adaptation.eu/>

### **EU project on adaptation to climate change in Europe**

BASE is a EU FP7-project. The project is being led by the University of Aarhus (previously NERI) in Denmark. The consortium consists of fourteen partners, including the Leeds University, Exeter University, SYKE, UFZ, FFCUL, CMCC, UPM and Ecologic Institute, as well as ISPRA. The project runs from 1 October 2012 until 1 October 2015.

Through this project, ISPRA will hopefully contribute to the development of the future European climate change adaption policy. In order to reach a more coherent integration of adaptation policies in the Member countries' institutional policies, the project aims to improve the knowledge of strategies, costs and impacts of adaptation to climate change by reducing, with new combinations of quantitative models, the gap between top-down economic assessment and bottom-up valuation arising from the case studies that will be carried out within the project.

In contrast to previous studies, this project uses not only large-scale models to make estimates, it also makes estimates based on case studies in various sectors and at various scale levels. The European Commission believes that this will result in a better and more accurate estimation of the costs and benefits of adaption.

ISPRA is involved in different work packages.

ISPRA co-leads:

1. Identify relevant policy areas for adaptation programs
2. Explore how adaptation can be integrated into these policies
  - 2.1 Analysis of potential synergies and conflicts may exist or arise between these policy areas and the adaptation policy
  - 2.2 Analysis of policy appraisal tools
3. A guidance: describe how to model processes and select criteria for mapping interactions between climate change adaptation strategies and other sector policies in terms of coherence and integration

and also contributes to:

- develop the case studies' analysis
- develop the integration between top-down models and bottom-up analysis

#### Staff members involved in BASE:

##### Project Manager

##### **Alessio Capriolo**

Alessio Capriolo has a degree in Economics, a Master in Environmental Economics and Management, and a PhD in Theory and quantitative methods for economic development. He has been working at ISPRA since 2000 and has over 12 years of experience in the field of environmental economics. He is the head of the "Economic valuation and environmental accounting" unit since 2006.

Alessio's work for BASE includes the comparative overview of European national adaptation strategies, the analysis of policy integration and the development of strategies for enhancing policy coherence and effectiveness.

##### Researcher

##### **Francesca Giordano**

Francesca has a degree in Environmental Science and a PhD in Environmental Science and Engineering. She has been working at ISPRA since 2003, and has over 5 years of experience in the field of impacts, vulnerability and adaptation to climate change. She is National Reference Centre to the European Environmental Agency on Climate change impacts, vulnerability and adaptation since 2007.

Francesca's work for BASE includes the comparative overview of European national adaptation strategies, the analysis of policy integration and the development of strategies for enhancing policy coherence and effectiveness.

##### Researcher

##### **Cristian Mastrofrancesco**

Cristina has a degree in Statistics and Economics, a Master in Decision Intelligence and Strategic Decisions. He has been working for ISPRA since 2003. Cristian's work for BASE includes the comparative overview of European national adaptation strategies, the analysis of policy integration and the development of strategies for enhancing policy coherence and effectiveness.