



EUROPEAN COMMISSION

DG HUMANITARIAN AID AND CIVIL PROTECTION - ECHO



**Integrating Cost Benefit Analysis in the Development of
Standards for Flood Protection & Safety –
The FLOOD CBA#2 Project**

Lisbon, 22 – 23 November 2016

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Middlesex University Higher Education Corporation, Flood Hazard Research Centre (UK)



University Pablo de Olavide (ES)



Interdisciplinary Centre for Social Sciences, CICS.NOVA, University Nova de Lisboa (PT)



Environmental Agency of Andalusia Region, REDIAM (ES)



Region of East Macedonia and Thrace (GR)



Municipality of Amadora (PT)

Starting date: 01-01-2016 / **Ending date:** 31-12-2017

Total Budget: 795,000€ / **EC contribution:** 596,250€ (75%)

Action-oriented project focusing on “risk-proofing” of public and private **Flood Management** investments and development and testing of economic tools - **Cost Benefit Analysis** - and methodologies for tracking of resilient investments.

FLOOD CBA#2 project will capitalise the experience and deliverables gained from past **FLOOD CBA** project - Knowledge Platform on Cost-Benefit Analysis (CBA)

FLOOD CBA#2 project will integrate CBA into the decision making process for selecting the appropriate protection standards in flood prone areas – key factor in flood management plans.

- ✓ Provision of a common state of the art guidance, data sources and support structures for the development of protection standards.
- ✓ Implementation of real case studies on how to evaluate alternatives of standards based on Cost Benefit Analysis.

- ✓ **EU member states present a diversity of methods** regarding the development of flood protection standards ranging from fixed design standards to economics-based approaches, or even to investments based on local imperatives often at the expense of efficiency.
- ✓ **EU policy makers are seeking a more integrated approach** taking into account outcomes of cost-benefit analysis.
- ✓ **There is not a common methodology** to provide answers to the questions “what is an appropriate protection standard ?” and “how it is arrived to ?”

- 1. Task Management and Reporting to the European Commission**
01-01-2016 to 31-12-2017
- 2. Building the Stakeholders' Capacity**
01-02-2016 to 31-12-2017
- 3. Development of the FLOOD CBA#2 Knowledge Toolkit and Guidelines**
01-08-2016 to 31-01-2017
- 4. Implementation of Case Studies**
01-02-2017 to 31-10-2017
- 5. Information, Dissemination and Capitalization Actions**
01-01-2016 to 31-12-2017

Provide an **overview and detail on existing standards** applied and the methodologies which are implemented for the justification of the related flood management investments;

Involve directly beneficiaries and stakeholders into a consultation process for the analysis of the adopted so far methodologies and tools and assessment of their views;

Develop **Guidelines** on the integration of appraisal methods in the development of Standards for Flood Protection and Safety;

Implement three CBA case studies in selected areas of concern in different EU countries;

Organise and conduct **three training seminars** addressed to key stakeholders;

Establish a **Helpline Centre for consultation and technical support** to interested parties;

Develop the **Flood CBA#2 portal** integrating a **Knowledge Toolkit** that will incorporate all relative information and in-depth knowledge sources.

FLOOD CBA 2 STAKEHOLDERS' NETWORK: More than 50 members including key actors the public and private sectors involved in Flood Risk Management at different levels of intervention and areas of work. This Network is expected to grow during the development of the project.

COLLECTION OF BACKGROUND INFORMATION: A questionnaire was developed for the collection of background information. The collected information helped the consortium to identify the gaps of the information that is necessary in the process of a Cost: Benefit Analysis study.

CONSULTATION PROCESS: The stakeholders' different views and perspectives were assessed regarding the decision-making process in their regions, for the selection of the appropriate standards of defense against flooding. More than 60 bodies participated in the process. The information gathered from the stakeholders was analysed in four dimensions:

Stakeholders' characteristics;

Stakeholders' involvement in the elaboration and/or implementation of flood risk management plans;

Stakeholders' awareness of methods used in flood risk management;

Controversial issues and/or aspects that need further clarification.

COMMON CHARACTERIZATION FRAMEWORK FOR COASTAL RISK MANAGEMENT CBA AND MCA FEATURES :

An innovative approach has been taken to the development of this framework, emphasising a more selected range of key concepts and terms, together with a more extensive explanation of what their meaning is, and examples of their deployment. The deliverable is available on the project website,

<http://www.floodcba2.eu/site/deliverables/task-c/>.

CBA CASE STUDIES:

Development of 6 ProFormas “A to F” , providing sets of tasks to guide data gathering. The Oxford case study is illustrated as reference.

In Greece, Spain and Portugal the case studies have been chosen, data collection initiated, and local stakeholders consulted.

The chosen study areas are:

Greece - Lavara city in Evros

Spain - City of Ecija

Portugal - Alcântara Riverside Watershed.

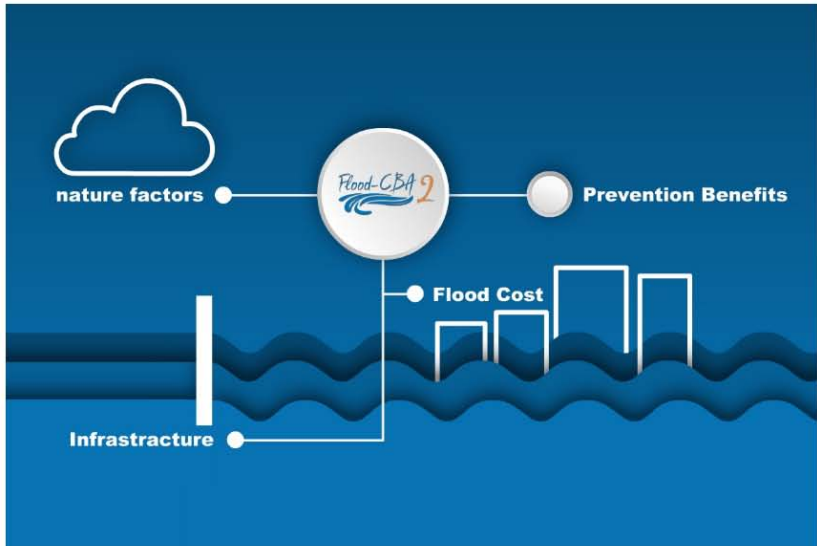
www.floodcba2.eu

Integrating CBA in the Development of Standards for Flood Protection & Safety

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- Home Page
- The Project
- Deliverables
- Partners
- Knowledge Toolkit
- Announcements
- Useful Links
- Contacts

Flood CBA 2 EU Project (2016-2017)



FLOOD-CBA 2 project is an initiative funded by the Directorate General Humanitarian Aid and Civil Protection (DG-ECHO) of the European Union. It aims at integrating Cost-Benefit Analysis into the decision making process for selecting the appropriate and most efficient **flood protection standards** in flood prone areas.

FLOOD-CBA 2 has been built on the experience gained from the CBA 1 project (ECHO) which was funded by DG-ECHO and implemented between the years 2013-2014. Read more on Project Description

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Latest Deliverable

Questionnaire for the Assessment of the Stakeholders' Views and Needs (eng. version)

Download Deliverable

Welcome to Flood CBA 2

News & Events

- 3rd Coordination Meeting and Stakeholders' Informative Workshop in Lisbon. 10.11.2016
- Stakeholders' Consultation Meeting in Andalusia 9.09.2016
- Workshop in Thessaloniki 18.07.2016
- SAFE EVROS 2016, Alexandroupolis Greece - 22-25 June 2016. 17.06.2016
- FLOOD CBA 2 stakeholders' workshop in Oxford 9.06.2016

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- Home Page
- The Project
- Deliverables
- Partners
- Knowledge Toolkit
- Announcements
- Useful Links
- Contacts

Flood CBA 2 EU Project (2016-2017)

Knowledge Toolkit

search

Standards Flood Risk Management Framework

Flood Risk Management Measures and Plans

Economics Knowledge Base Platform

Proformas for the Implementation of Case Studies

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