



AMICE

Adaptation to the impacts of climate change on floods and droughts with the perspective of sustainable development of the international river basin of the Meuse

2009-2012

Objectives

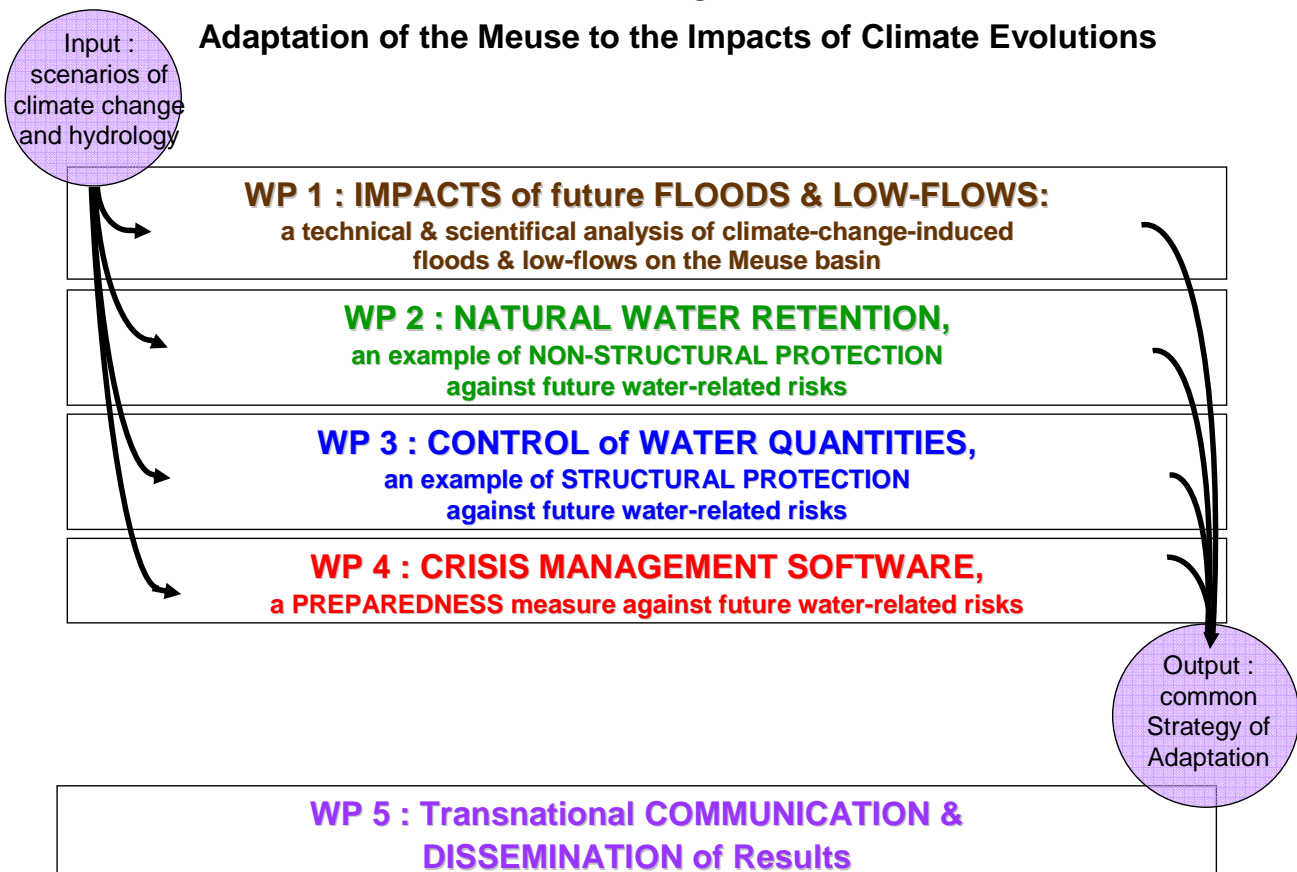
- Defining a common strategy of adaptation to the impacts of Climate Change on floods and droughts, recognized at the scale of the international river basin of the Meuse.
Climate scenarios for the time periods 2020-2050 and 2070-2100, existing measures, on-going projects as well as the Floods Directive (2007/60/EC), will be taken into account in the elaboration of the strategy.
- Realising a set of measures beneficial and transferable to the whole Meuse basin.
These measures can participate to the prevention, protection or preparation of floods and droughts management crisis.
- Strengthening and widening the partnership of stakeholders in the international Meuse basin.
- Involving the population and the public bodies through a better knowledge and the feeling of belonging of the Meuse basin, as well as the consciousness of the flood and drought risks.

Expected Outputs

- Definition of scenarios, shared at the scale of the international basin, related to Climate Change and extreme discharges ;
- Realisation of a first hydraulic simulation of the river and its associated risk maps ;
- Identification of hot spots, i.e. sectors and water uses threatened by future floods and droughts : definition of the cost of inaction ;
- Definition of a shared adaptation strategy ;
- Three technical reports, one interactive documentary and a website, eight site visits ;
- Definition of new management rules for the dams of the Rur, tributary of the Meuse (Germany) ;
- Reduction of the floodability, renaturation of cropland and creation of reservoirs for multi-purposes (Wallonia and the Netherlands) ;
- An innovative system of pumps / powerstation for the reduction of water consumption in the Meuse (Flanders) ;
- An international exercise for flood crisis management based on the software OSIRIS and FLIWAS ;
- One international event for the sharing and transfer of the project's results.

AMICE

Adaptation of the Meuse to the Impacts of Climate Evolutions



The Partnership

The AMICE project involves 17 partners from the Meuse basin. The International Commission for the Meuse hosts the Partners' meetings of the AMICE project and act as an Observer.

France

The **EPAMA** (Public Establishment for the Management of the Meuse and its tributaries), also Lead Partner of the AMICE project.

The **University of Metz** – Cegum research centre (Centre of Geographical studies)

The **CETMEF** (Institute for Maritime and Inland Waterways)

Belgium - Wallonia

The **Région Wallonne**, through the workgroup on floods (**GTI**).

The **University of Liège** - Department of Hydrology, Applied Hydrodynamics and Hydraulic Constructions (HACH) & Aquapôle

The **Faculté Universitaire de Gembloux** – department Hydrology and Hydraulics

The city of **Hotton**

The **Agence Prévention et Sécurité**

Belgium - Flanders

nv De Scheepvaart, manager of the channels for water transport and drink water production

Waterbouwkundig Laboratorium, the research center for hydraulic sciences in Antwerpen

RIOU, association for communication and renaturation

Germany

WasserVerband Eifel-Rur, manager of the tributary of the Rur

RWTH Aachen University:

Lehrstuhl und Institut für Wasserbau und Wasserwirtschaft : the institute of hydraulic engineering and water resources management

Lehr- und Forschungsgebiet Ingenieurhydrologie : the academic and research department engineering hydrology

The Netherlands

Rijkswaterstaat (Ministry of Water and Transports) is involved through two of its departments **Waterdienst** and **Limburg**

Two water managers of the sub-basins among the 5 of the Meuse basin in the Netherlands:

Waterboard Aa en Maas, water authority in the Province of Noord Brabant

Waterboard Brabantse Delta, water authority in the Province of Noord Brabant.



The Budget

The AMICE application form has been approved on the 3rd call for projects of the Interreg IV B Programme on 5th Decembre 2008 ; 2.8 M€ ERDF have been granted to the project.

The total budget of the AMICE project is nearly 8,9 M€.

The NWE Interreg IVB Programme

This programme funds innovative, transnational actions that lead to a better management of natural resources and risks, to the improvement of means of communication, and to the reinforcement of communities in North-West Europe.

www.nweurope.eu



For more information:

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