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## This project is funded by the EUROPEAN UNION

The Instrument for Pre-Accession Assistance (IPA) programme is a unified EU pre-accession programme for the 2007-2013 period. The main objectives of the IPA programme is to provide assistance to candidate countries like Croatia and potential candidate countries in their harmonization and implementation of European directives and regulations (Acquis Communautaire) and to prepare them for the use of the Cohesion Fund and Structural funds.

Twinning is an instrument of administrative cooperation between public administrations of beneficiary countries and institutions of EU member states. The aim of Twinning is providing assistance to beneficiary country through human resources development, modernization and reorganization of public administration, as well as harmonization of laws and regulations with the Acquis of the European Union.

The European Union is made up of 27 Member States who have decided to gradually link together their know-how, resources and destinies. Together, during a period of enlargement of 50 years, they have built a zone of stability, democracy and sustainable development whilst maintaining cultural diversity, tolerance and individual freedoms. The European Union is committed to sharing its achievements and its values with countries and peoples beyond its borders”.

The European Commission is the EU's executive body.



## The European Union's IPA Programme for Croatia

IPA 2010  
Twinning project

### “Development of Flood Hazard Maps and Flood Risk Maps”

A project implemented by  
Dutch Government Service for Land and Water Management  
Austrian Environment Agency  
French International Office for Water  
together with Croatian Ministry of Agriculture and  
Croatian Waters



umweltbundesamt<sup>U</sup>  
PERSPEKTIVEN FÜR UMWELT & GESELLSCHAFT

International Office for Water  
Capacity building for better water management



## Basic information on the Twinning project

This Twinning is between Croatia and three EU Member States, the Netherlands, Austria and France.

The project budget is EUR 1.100.000,00 out of which 95% is financed by IPA and 5% by national co-financing.

### Project Implementation

The project started at the end of January 2013. The execution period of this project is 18 months out of which 15 months are foreseen for the implementation of activities.

### Partner institutions from Member State countries:

- Government Service for Land and Water Management, the Netherlands – leading partner of the consortium
- Environment Agency, Austria – junior partner of the consortium
- International Office for Water, France – junior partner of the consortium

### Beneficiary institutions of the project:

- Ministry of Agriculture, Croatia
- Croatian Waters



## Twinning project purpose

The purpose of this project is to implement requirements of the EU Floods Directive and to that end to prepare flood hazard maps and flood risk maps in the Republic of Croatia.

### Project Components and Expected Results

- Component 1 (Result 1): Pilot areas selected and Pilot Project Implementation Plan and Methodology developed.
- Component 2 (Result 2): Mathematical hydraulic models based on collected data prepared and tested and data sets for the selected pilot areas prepared.
- Component 3 (Result 3): Flood Hazard Maps and Flood Risk Maps for the selected pilot areas prepared.
- Component 4 (Result 4): Guidance Document on flood related topics prepared.
- Component 5 (Result 5): Capacity of relevant institutions (Ministry of Agriculture and Croatian Waters) strengthened in order to improve implementation of the Floods Directive requirements.

This twinning project will focus on the second phase of the Floods Directive and will help in the preparation of flood hazard maps and flood risk maps for selected pilot areas as well as on preparation of guidance documents and capacity building of relevant institutions. The results of this twinning project will be of great help to Croatian experts for the upcoming third phase of the Floods Directive - the preparation of flood risk management plans.

## Background information

### Regulations for Water management

Water management in the Republic of Croatia is regulated by the Water Act (OG 153/09 and 130/11) and the Act on Water Management Financing (OG 153/09) together with the accompanying subordinate regulations.

National legislation of Croatia is harmonized with regulations of EU water-related directives, including the Floods Directive (EU Directive 2007/60/EC on the assessment and management of flood risks).

Relevant institutions for water management in Croatia are the Ministry of Agriculture and Croatian Waters.

According to the Water Act, Croatian Waters is obliged to undertake a preliminary flood risk assessment, to develop flood hazard maps and flood risk maps and to prepare flood risk management plans.

The Floods Directive obliges EU Member States to prepare the following:

- a) Preliminary flood risk assessment, Articles 4 & 5 (by 22 December 2011);
- b) Flood hazard maps and flood risk maps, Article 6 (by 22 December 2013);
- c) Flood risk management plans, Article 7 & 8 (by 22 December 2015).