

EU IPA 2010 Twinning project
“Development of Flood Hazard Maps and Flood Risk Maps”

Twinning Project

Edo Dijkman

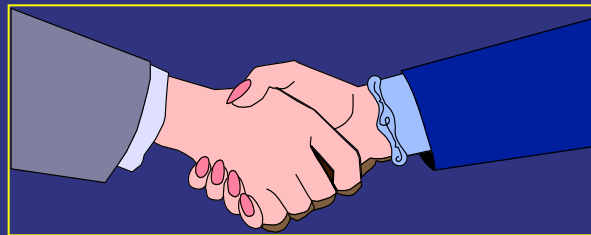
Government Service Land and Water
Management Netherlands

In this presentation

- Twinning
- Team
- Objectives
- Main actions

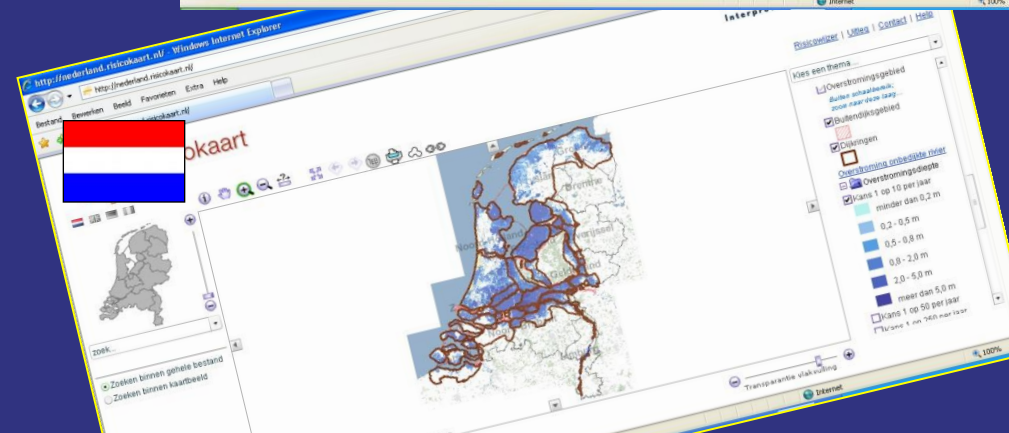
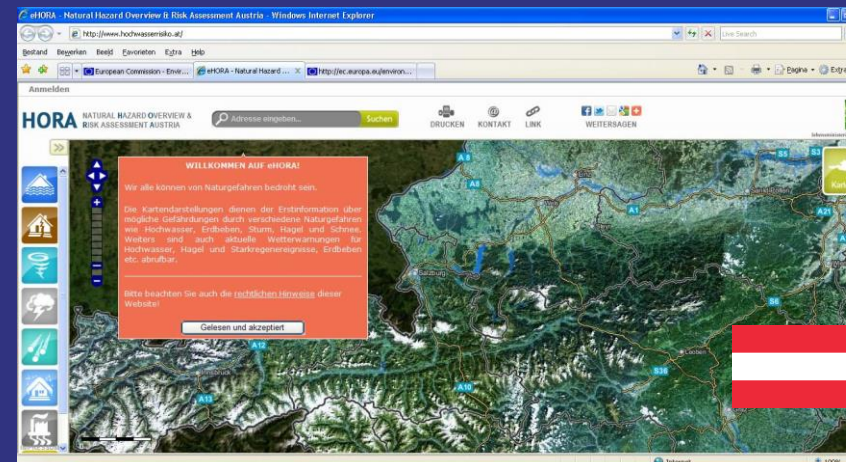
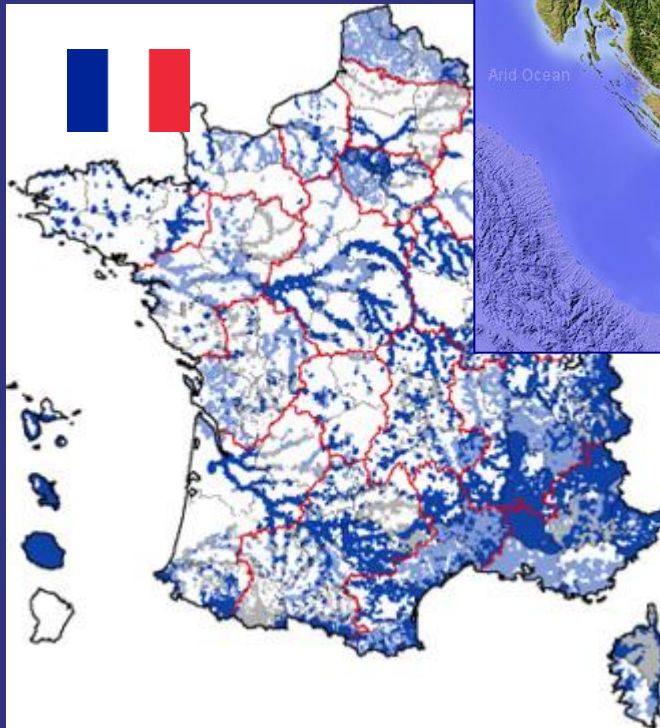
Twinning

- Working together government to government
- All about capacity building
- 500 working days, 50 experts involved
- 1,1 mil. €
- 14 months



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Partners



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Team

- Croatian Waters Zagreb and branch offices
- Ministry of Regional Development and EU Funds, Ministry of Agriculture
- Resident Twinning Advisor (Zagreb)
- Experts from the Netherlands, France, Austria
- Large pool of different experts



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Objectives

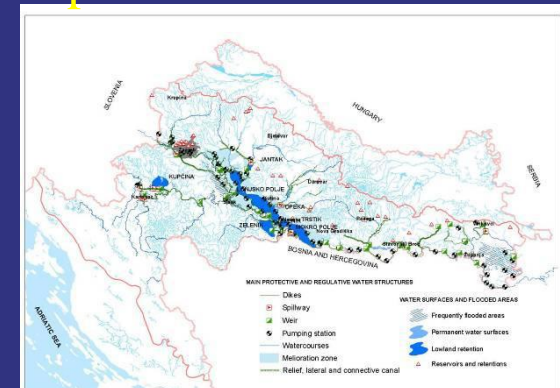
- Overall objective:

Harmonization of national water legislation with EU and implementation of EU acquis

- Project purpose:

Implementation of requirements of Floods Directive in the preparation of flood hazard maps and flood risk maps in the Republic of Croatia

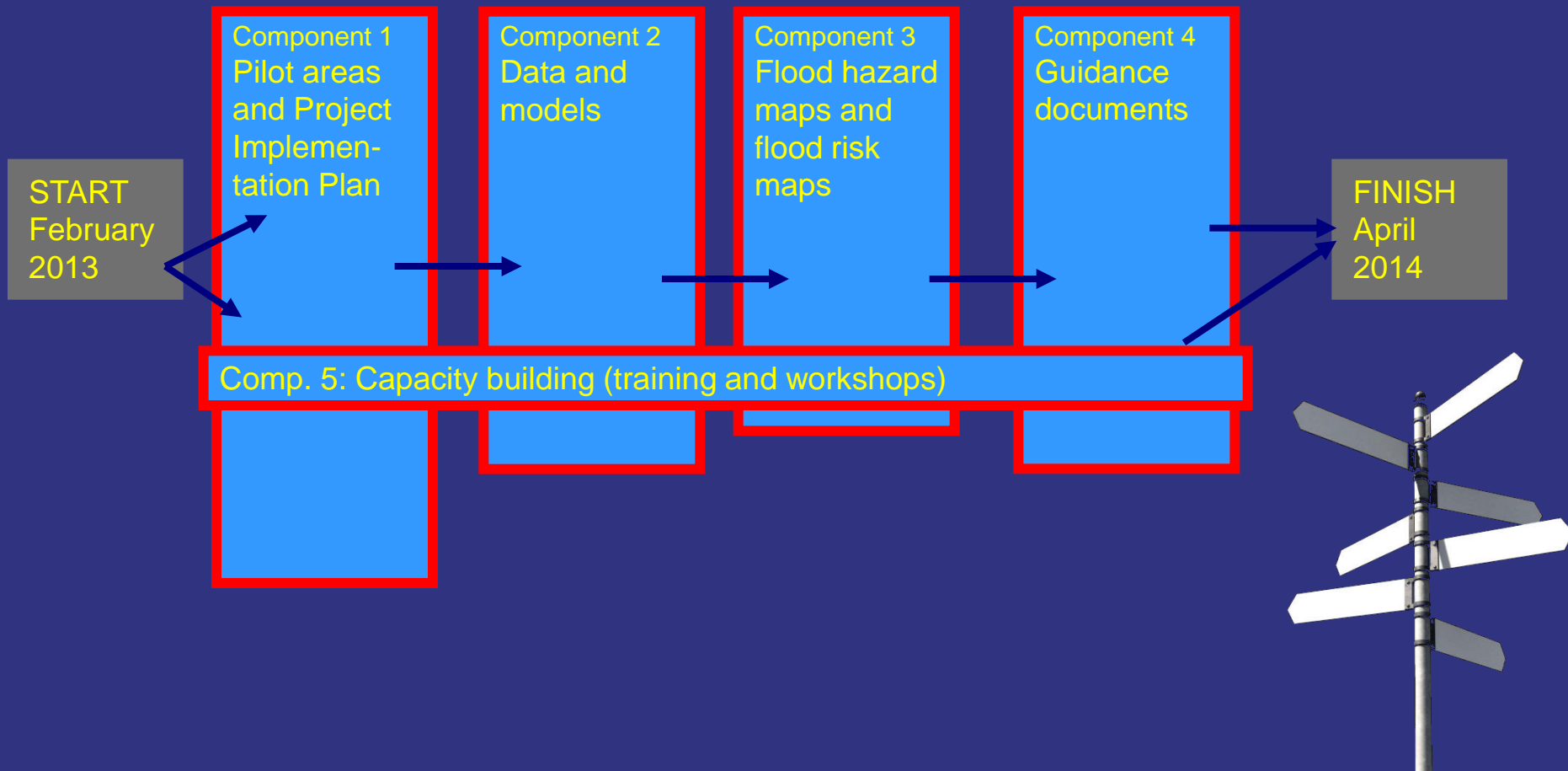
Based on preliminary flood risk assessment



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Main actions: *FIVE COMPONENTS*



Component 1

- Selecting pilot areas (mission 1 March 2013)
 - » 2 pilot areas: Neretva river
Sava river, with focus on Kupa
- PIP (mission 2 April 2013)

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month	March			April				May				June				July				August				September				October				November				December				January													
week	10	14	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4											
start date	4	2	22		6			27			19			8									9			23																											
end date	8	5	26		9			30			21			10									13			27																											15-1
mission No.	M1	M2	M3		M4			M5	M6		M7			M8		M9	Holidays HR					M10	M11	M12		M13	M14		M15	M16		M17																					
Comp. 2			2.1		2.2 (1)			2.2 (2)	2.6		2.3			2.4								2.5 (1)			2.5 (2)			2.7																									
Comp. 3																3.1-1						3.2-1				3.1-2			3.2-2																								
Comp. 4																							4.6							4.5																				4.1 + 4.2			
Comp. 5									WS 1														WS 2																												WS 4		

Part of PIP : Planning Schedule Components

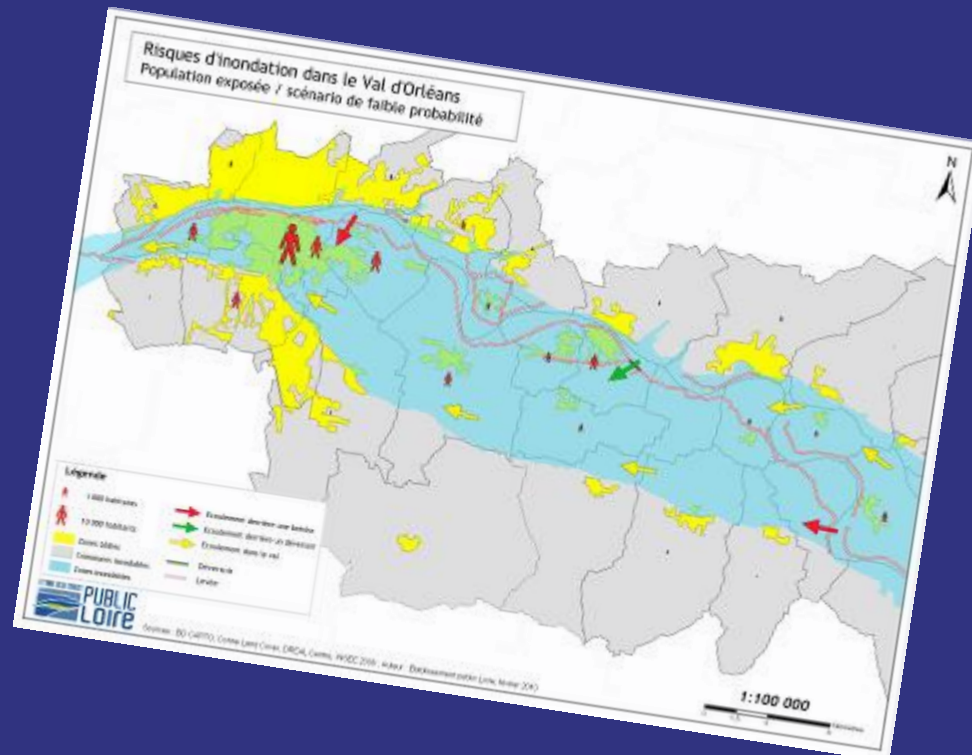
Component 2

- Collecting Data and Modeling for the selected pilot areas
- Mathematical hydraulic models based on:
 - Data prepared and tested

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Component 3

- Flood hazard and flood risks maps for the selected areas



Component 4

- 6 Guidance documents of the preparation of flood hazard maps
 - Technical aspects
 - Participation of the public and stakeholders
 - Preparation of Flood Risk Management plans

Component 5

- Capacity of relevant institutions strengthened
- Training needs analysis (content and target groups)
- Training Program
- Training materials

Final Event

- With all participants
- Presentation of the project outcome
- = Input for the Flood Risk Management Plan

