



GOBIERNO
DE ESPAÑA

MINISTERIO
DE MEDIO AMBIENTE
Y MEDIO RURAL Y MARINO

CONFEDERACIÓN HIDROGRÁFICA
DEL JÚCAR

IMPLEMENTATION OF THE FLOOD DIRECTIVE 2007/60/EC IN THE JUCAR RIVER BASIN DISTRICT

Onofre Gabaldó
Megève, 24 setember 2010

APPLIED LEGISLATION



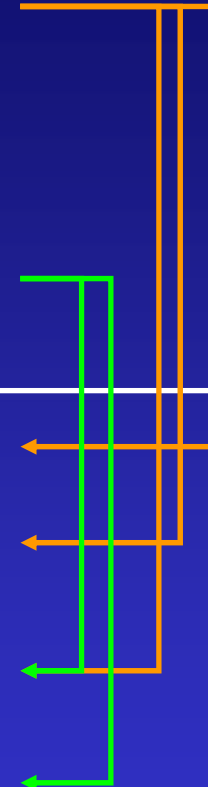
• **DIRECTIVE 2000/60/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL ESTABLISHING A FRAMEWORK FOR THE COMMUNITY ACTION IN THE FIELD OF WATER POLICY.**



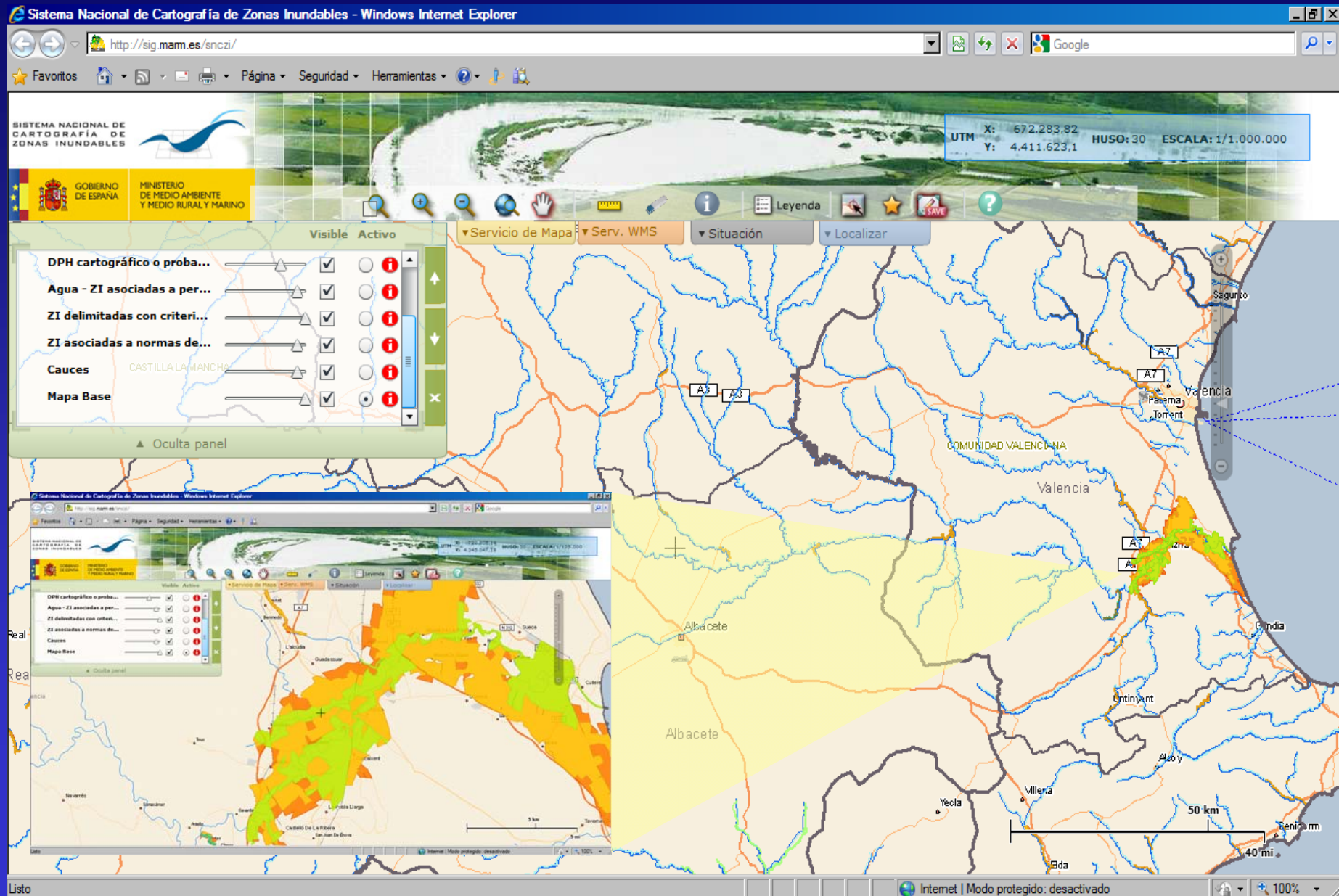
• **DIRECTIVE 2007/60/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL ON THE ASSESSMENT AND MANAGEMENT OF FLOOD RISKS.**



- RDL 1/2001, de 20 de julio, Texto Refundido de la Ley de Aguas.
- RD 907/2007, de 6 de julio, por el que se aprueba el Reglamento de la Planificación Hidrológica.
- **REGLAMENTO DEL DOMINIO PÚBLICO HIDRÁULICO (RD 849/1986, DE 11 DE ABRIL, MODIFICADO POR RD 9/2008, DE 11 DE ENERO).**
- **RD 903/2010 DE 9 DE JULIO DE EVALUACIÓN Y GESTIÓN DE RIESGOS DE INUNDACIÓN.**

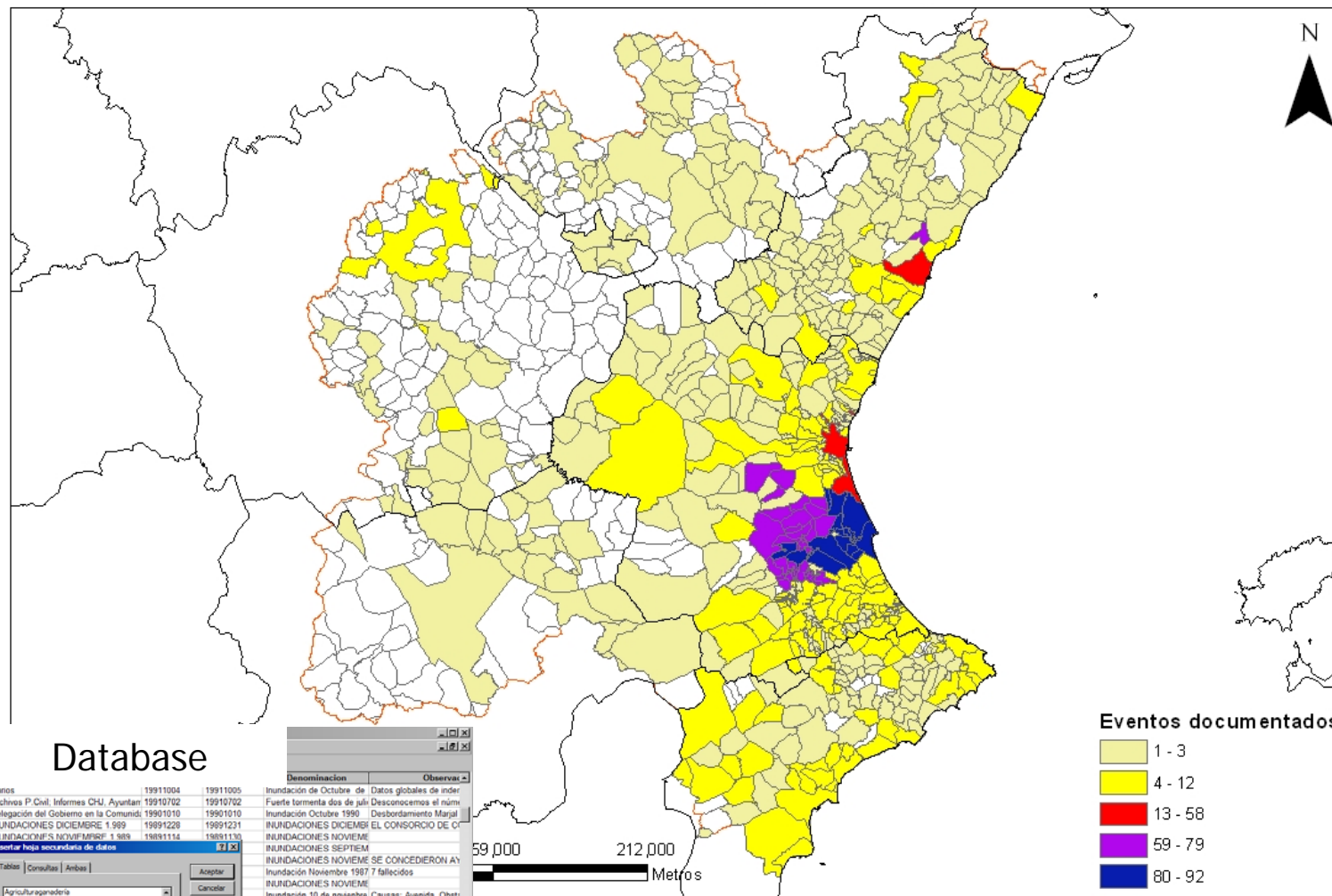


FLOOD PRONE AREAS CARTOGRAPHY NATIONAL SYSTEM (SNCZI)



HISTORICAL DATA

DOCUMENTED EVENTS



Eventos documentados

- 1 - 3
- 4 - 12
- 13 - 58
- 59 - 79
- 80 - 92

Database

Microsoft Access - DB

Archivo Edición Ver

Episodio

- * 19911004-19911005
- * 19910702-19910702
- * 19901010-19901011
- * 19991228-19991231
- * 19891114-19891130
- * 19890903-19890910
- * 19881110-19881112
- * 19871116-19871116
- * 19871103-19871110
- * 19831110-19831110
- * 19831106-19831106
- * 19821023-19821023
- * 19821030-19821030
- * 19821020-19821020
- * 19711205-19711205
- * 19711005-19711009
- * 19691007-19691007
- * 19691005-19691005
- * 19690921-19690921
- * 19690906-19690906

Región: MEX

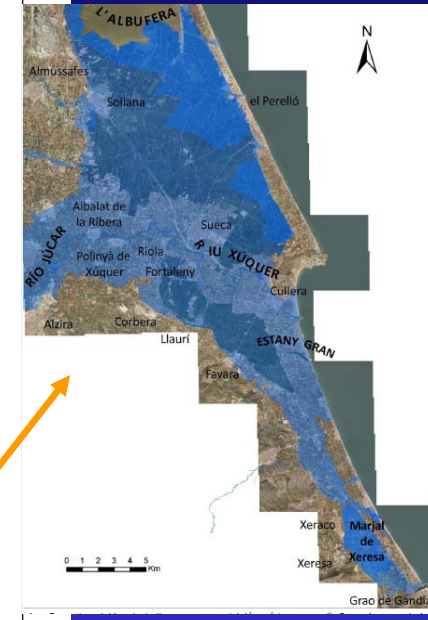
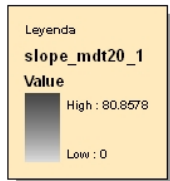
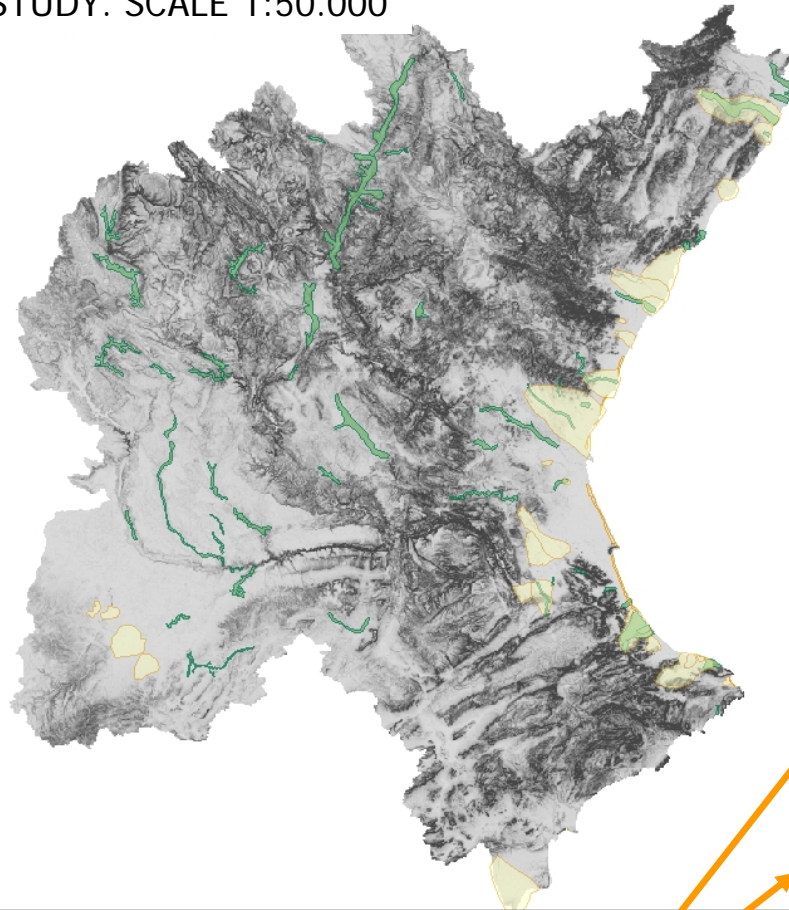
Vista Hoja de datos

Denominación	Observa	
19911004	19911005	Inundación de Octubre de Datos globales de inder
19910702	19910702	Fuerte tormenta dos de juli Desconocemos el núm
19901010	19901010	Inundación Octubre 1990 Desbordamiento Marjal
19991228	19991231	INUNDACIONES DICIEMBRE EL CONSORCIO DE C
19891114	19891130	INUNDACIONES NOVIEMBRE
19890903	19890910	INUNDACIONES SEPTIEM
19881110	19881112	INUNDACIONES NOVIEM SE CONCEDIERON AY
19871116	19871116	Inundación Noviembre 1987 7 fallecidos
19871103	19871110	INUNDACIONES NOVIEM
19831110	19831110	Inundación 10 de noviembre Causas: Avenida Obsti
19831106	19831106	Inundación 6 de noviembre Causas: Obstáculos. P
19821023	19821023	Inundación Octubre de 198: Lluvia intensa Avenida
19821030	19821030	Inundación Octubre de 198: Avenida
19821020	19821020	Inundación Octubre de 198: Gota fría Avenida. Mar
19711205	19711205	Inundación Diciembre de 197 Avenida
19711005	19711009	Inundación Octubre de 197 Avenida
19691007	19691007	Inundación 07 de octubre Desbordamiento Rio Se
19691005	19691005	Inundación Octubre de 196: Avenida
19690921	19690921	Inundación 21 de septiem: Lluvia
19690906	19690906	Inundación 06 de septiem: Lluvia. Graú y marginal
19690903	19690910	Inundación, 1969 Desbordamiento. Dto. S

59,000 212,000 Metros

GEOMORPHOLOGICAL STUDIES

PRELIMINARY STUDY. SCALE 1:50.000

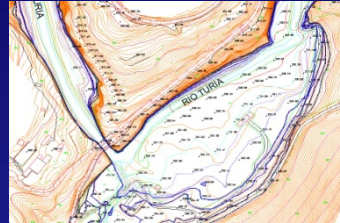
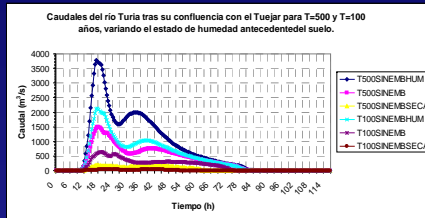


DETAILED STUDY



PREVIOUS WORKS

• DAMS OPERATING RULES



• EMERGENCY ACTION PLANS FOR DAMS



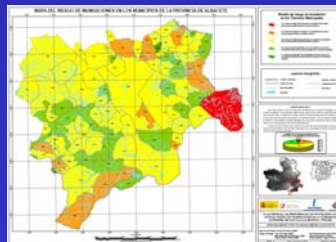
• LINDE PROJECTS.



• LAND USE PLANNING



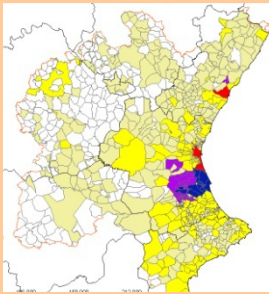
• CIVIL PROTECTION PLANS



• OTHER PROJECTS including hydrological and hydraulic studies.



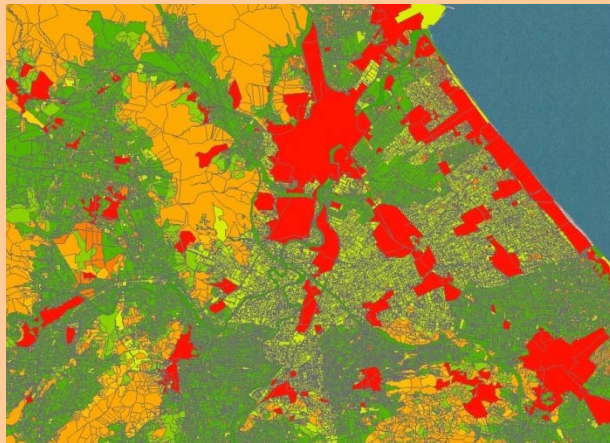
PRELIMINARY FLOOD RISK ASSESSMENT



HISTORICAL DATA

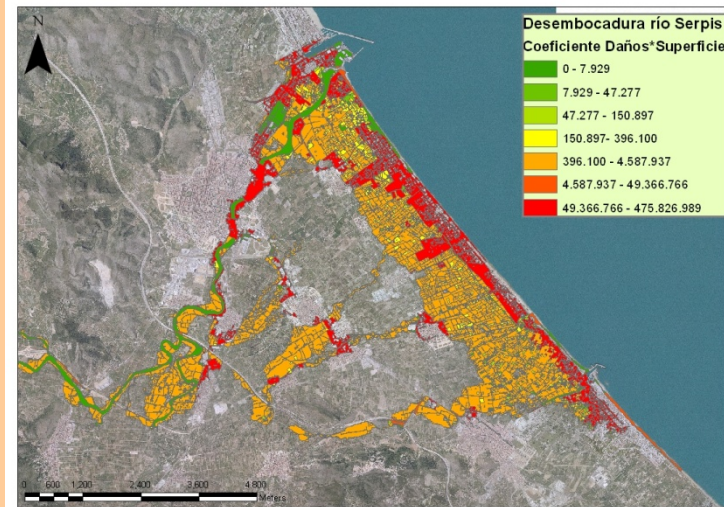


PRELIMINARY FLOOD STUDIES



LAND USES INCLUDING:

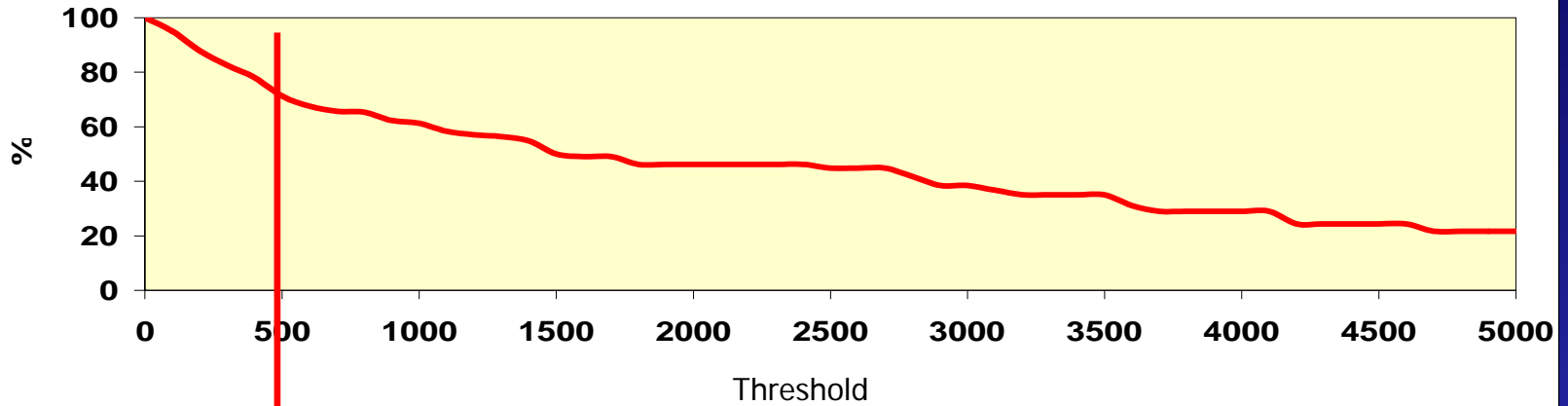
- Human health (mainly residential use).
- Environment (protected areas and polluting industries).
- Cultural heritage
- Economic activity (agriculture, industry, etc.)



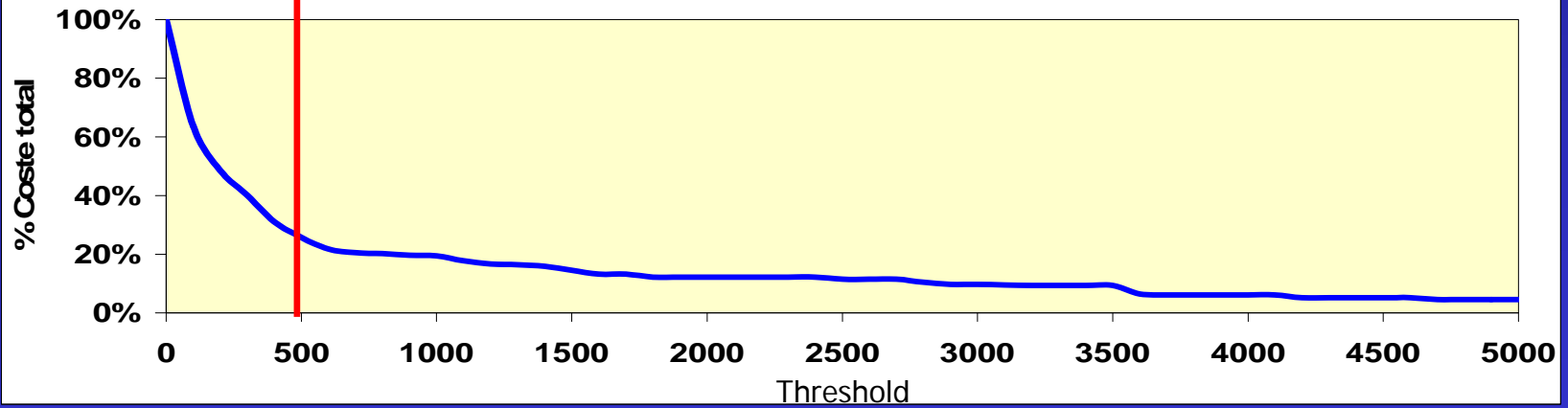
PRELIMINARY FLOOD RISK ASSESSMENT

THRESHOLDS DEFINING SIGNIFICANT FLOOD RISK

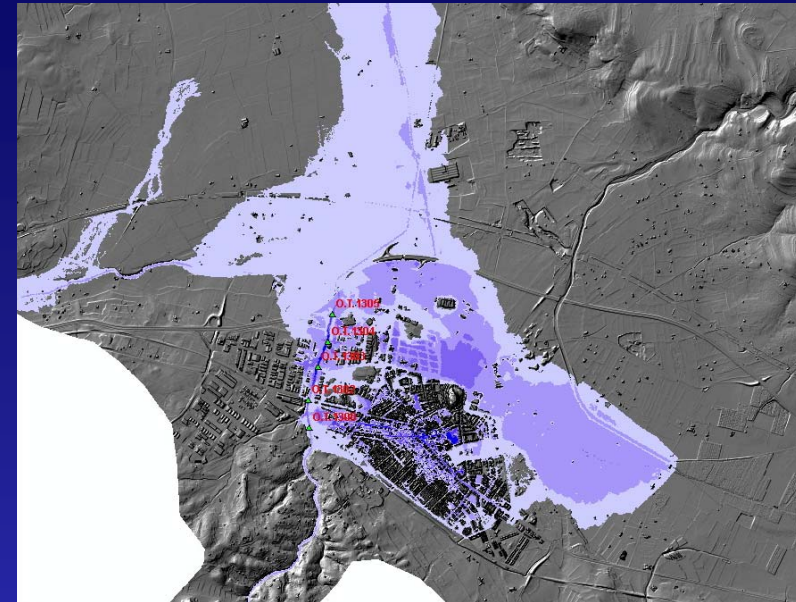
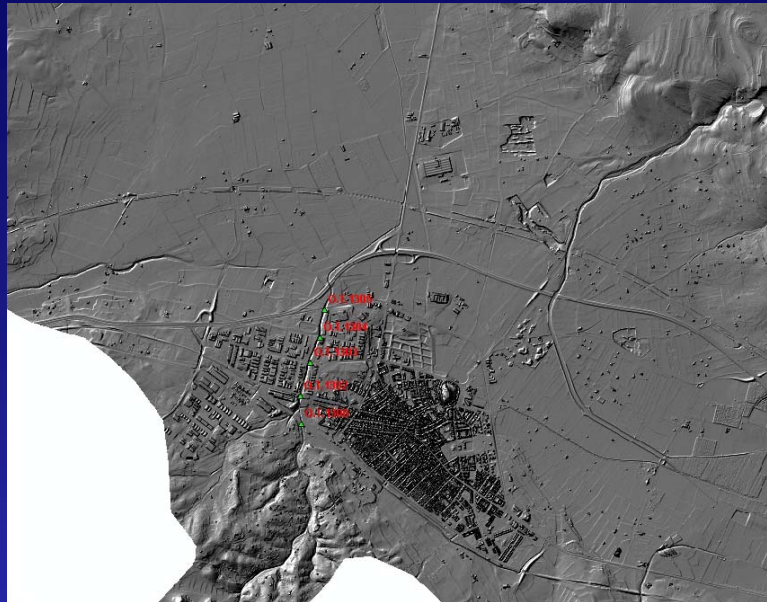
REFERRED POTENTIAL DAMAGES BASED ON THE THRESHOLD



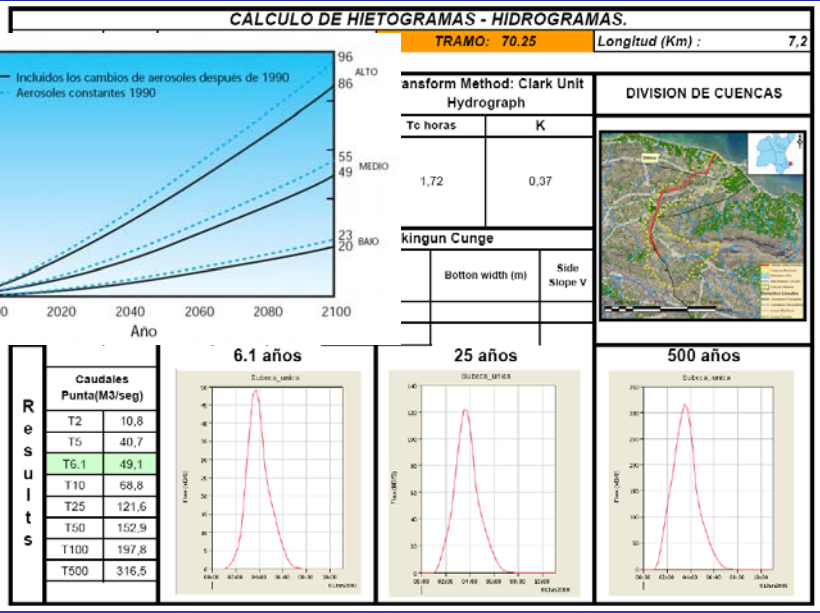
ESTIMATED COST OF THE STUDIES BASED ON THE THRESHOLD



HAZARD MAPS



- Use of lidar mapping
- Update of hydrological and hydraulic models
- Consideration of climate change according to the criteria of the IPCC



NEXT STEPS

- To complete the preliminary flood risk assesment by 22 december 2010.
 - To complete the flood hazard maps.
 - There are already many mesures structurals and no structurals, such as early warning systems, land use restrictions, emergency, so it will no be difficult for the different Administrations to stablish the appropriate objectives and mesures in the flood risk management plans.
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DIRECTIVE 2000/60/EC vs DIRECTIVE 2007/60/EC.

- Flood topic is important in the Jucar basin and is one of the significant water issues in its river basin management plan.
 - A good way to link the WFD and the FD is through the River Basin Management Plan.
 - Some contents of the RBMP are useful to the FMP.
 - The coincidence in time for the revision of the water management plan and the implantation of the flood management plan is a good opportunity to fit better the objectives of the WFD in the common items and to coordinate the public information and consultation.
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