

RIVER CONTINUITY RESTORATION IN MEDITERRANEAN RIVERS. THE SEGURA RIVER EXAMPLE

Session I. Ecological continuity restoration

Mr. Adolfo Mérida, Deputy Commissioner

1-How main pressures have led to a reduced river continuity

RIVER BASIN BACKGROUND

Mediterranean climate:

- Dry summers and wet winters
- Flash floods

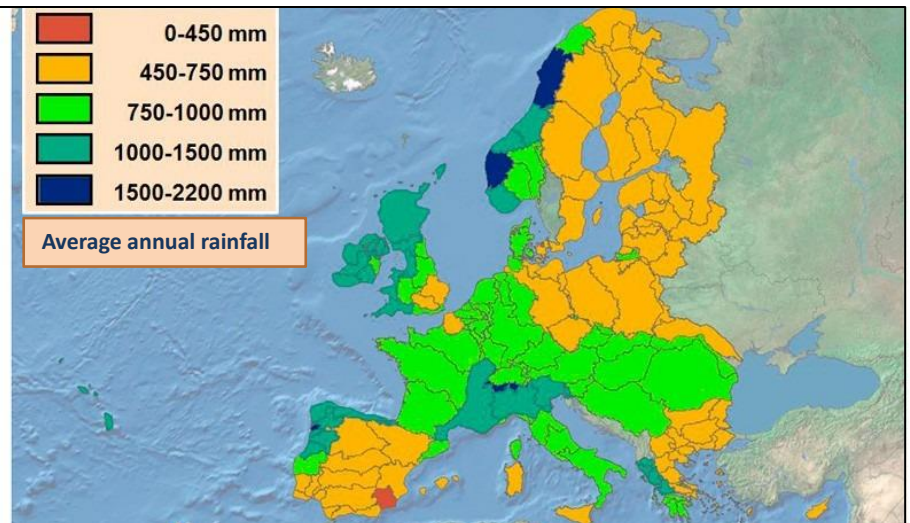
Main demands:

- Agriculture
- Tourism

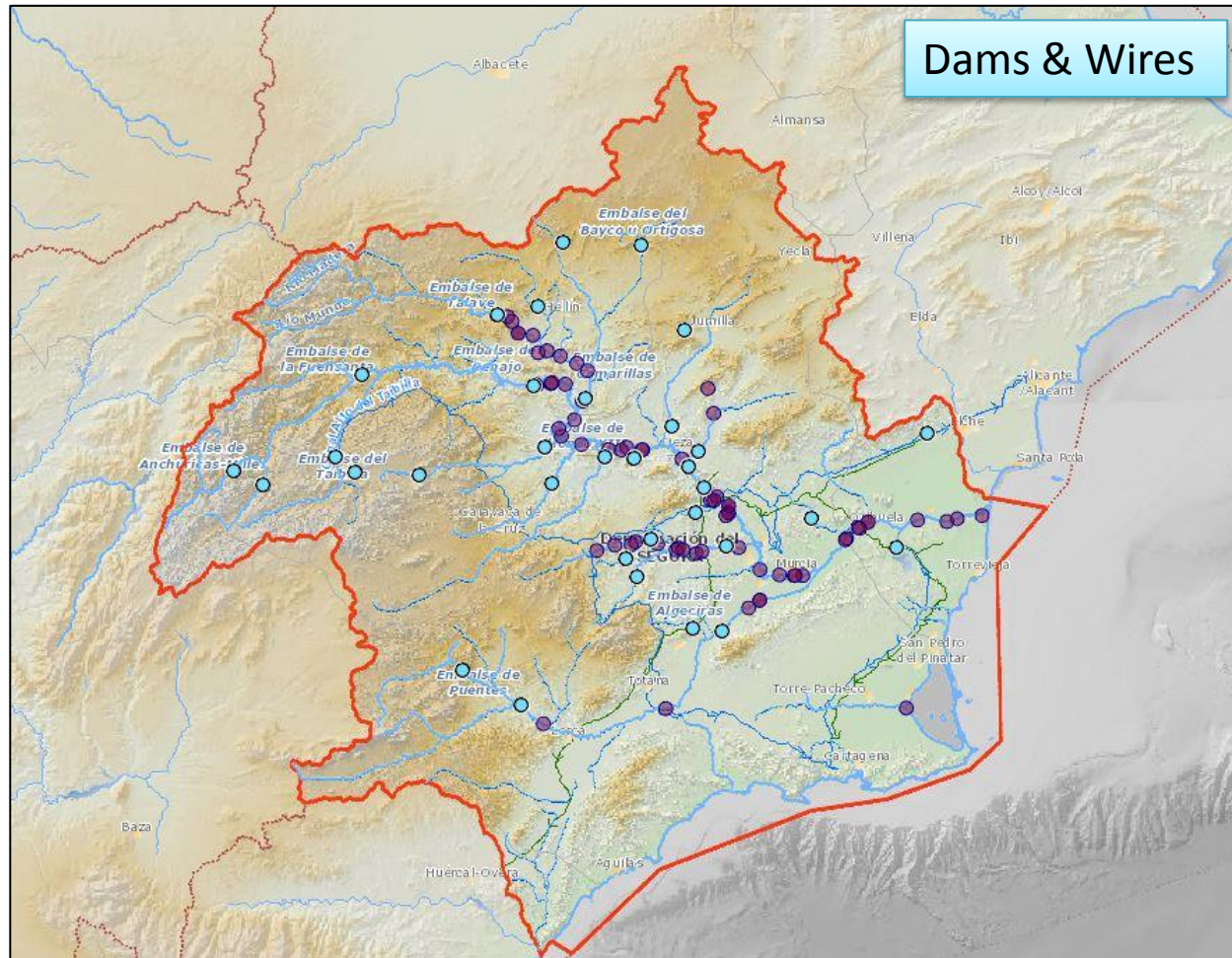
Water Scarce basin

Five different types of water supply

High profitable agriculture



1-How main pressures have led to a reduced river continuity



2. Main tools to tackle river fragmentation: regulation and scientific assessment

WATER FRAMEWORK DIRECTIVE 2000/60/EC

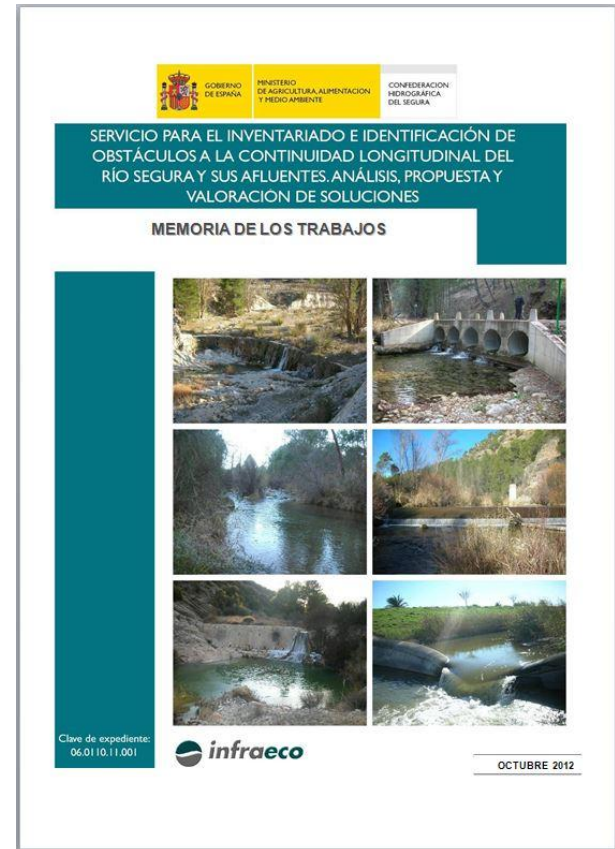


SPANISH WATER LAW

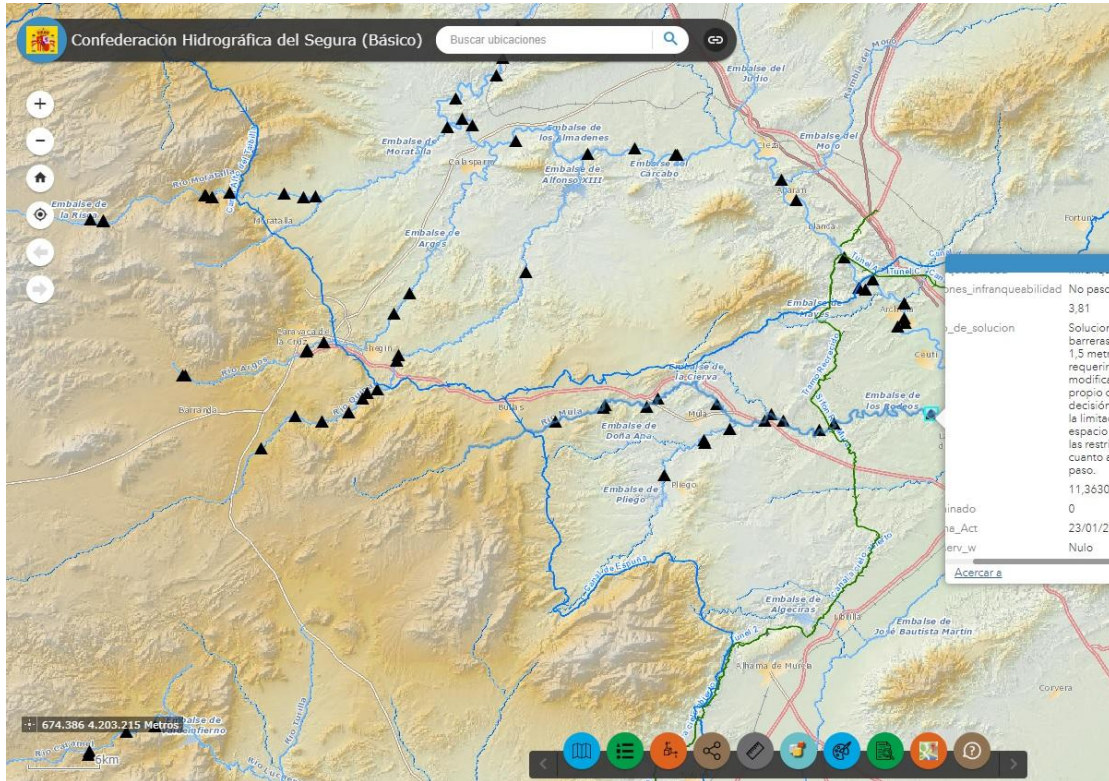
Evaluation of Good surface water status






**Technical Study: Inventory of the River
continuity Obstacles. Segura river Basin**



2. Main tools to tackle river fragmentation: regulation and scientific assessment




INVENTARIADO DE OBSTÁCULOS A LA CONTINUIDAD LONGITUDINAL DEL RÍO SEGURA Y SUS AFLUENTES.

INFORMACIÓN GENERAL DEL OBSTÁCULO

Fecha ult. actualización: 23/01/2013



Código Obstáculo: 101230601001 **AZUD ACEQUIA TORRES DE COTILLAS**

Tipo de obstáculo: AZUD O PRESA **Material:** Horimigón

Masa de Agua: ES070MSPF001012306 **Río:** Río Mula desde Embalse de Los Rodeos hasta el Azud de la Acequia de Torres de Cotillas

Provincia: MURCIA **Municipio:** Torres de Cotillas (Las)

Evaluado **Observaciones:**

GEOMETRÍA

H (altura sobre lecho) (m):	0,8	AC (anchura coronación) (m):	
DC (distancia pie a coronación) (m):	0,92	DLC (altura del salto) (m):	0,8
L (Longitud total del azud) (m):	117	L' (Longitud paso del agua) (m):	
P' (profundidad aguas arriba) (m):	(> 1,5 m <input type="checkbox"/>)	ALC (altura lámina coronación) (m):	
P'' (profundidad aguas abajo) (m):	(> 1,5 m <input type="checkbox"/>)	¿Circula agua por encima? <input type="checkbox"/>	
¿Se forma poza aguas abajo? <input type="checkbox"/>		Número de compuertas	0

Observaciones:

FRANQUEABILIDAD

Franqueabilidad: Infranqueable

Razones infranqueabilidad: No paso de agua

Índice de franqueabilidad (IF): Infranqueable

Índice de continuidad fluvial (ICF): Infranqueable

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Link: <https://www.chsegura.es/export/sites/chs/descargas/enlacesvisoresportal/Visor-obstaculos-continuidad-longitudinal>

3. Specific actions taken: LIFE RIVERLINK

LIFE+ SEGURA RIVERLINK- LIFE 12 ENV/ES/1140



Main objective:

Improve connectivity between natural ecosystems by following courses of action aimed at renaturalising the river and recuperating its function as a green corridor

Link: <https://www.chsegura.es/en/cuenca/restauracion-de-rios/segurariverlink/>

Responsible: Eduardo Lafuente Sacristan (eduardo.lafuente@chsegura.es)

Other objectives:

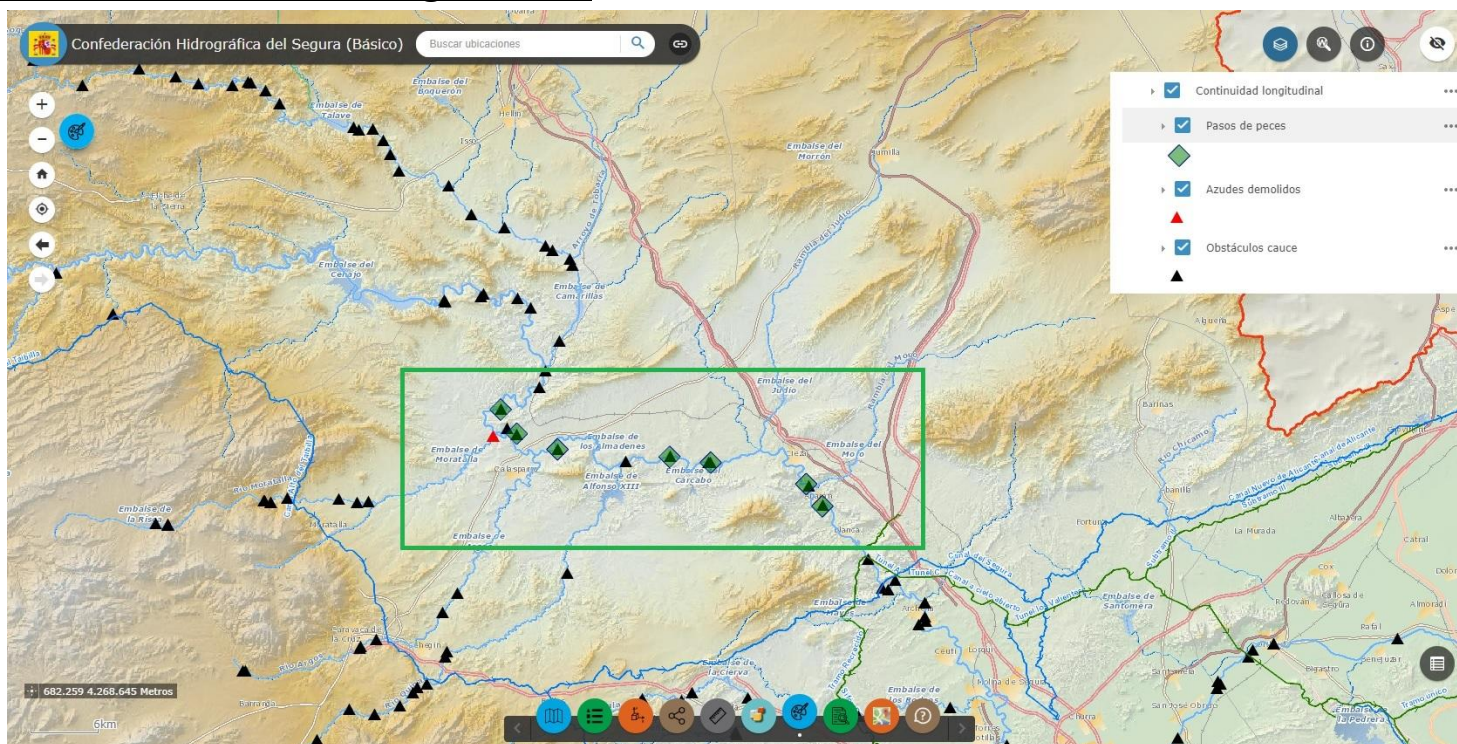
- To improve the ecological status of the bodies of water.
- Remove Invasive Alien Species (*Arundo donax*)
- To develop a Land Stewardship Network
- To increase public involvement in the management and public awareness of the problems affecting aquatic and riparian ecosystems

3. Specific actions taken: LIFE RIVERLINK

FISH PASS

Viewer the obstacles to longitudinal continuity:

<https://www.chsegura.es/export/sites/chs/descargas/enlacesvisoresportal/Visor-obstaculos-continuidad-longitudinal>



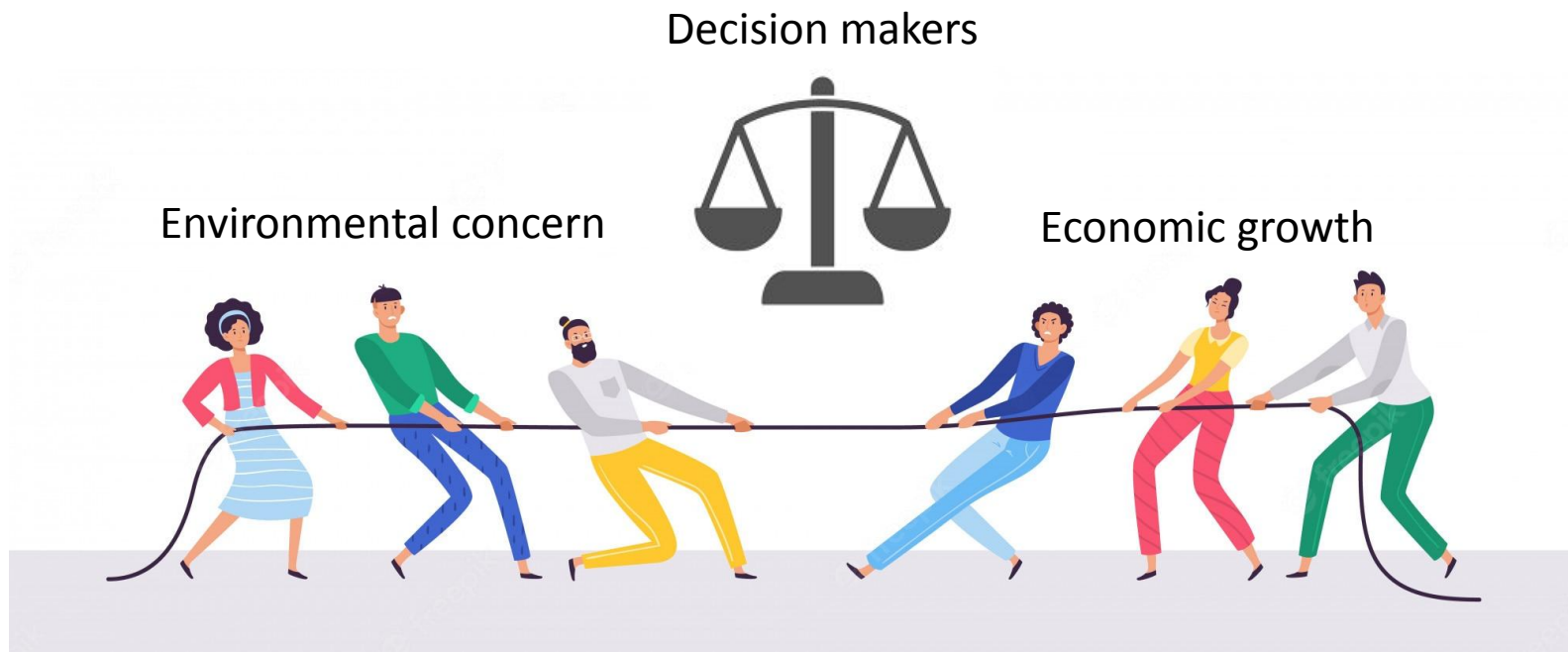
3. Specific actions taken: LIFE RIVERLINK

Type of Fish Pass used:

- Pool and weir fish pass
- Natural like bypass
- Vertical Slot Fish pass
- Bottom ramp with boulder sills



4. How environmental, social and economic sectors are involved



...future steps



MINISTERIO
PARA LA TRANSICIÓN ECOLÓGICA
Y EL RETO DEMOGRÁFICO

CONFEDERACIÓN
HIDROGRÁFICA
DEL SEGURA, O.A.

20th International Conference Europe-INBO

Thanks for your attention!

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