

LIFE + Environment Policy & Governance

LIFE + SEGURA RIVERLINK
 LIFE12 ENV/ES/001140

Demonstration project that aims to promote and support the environmental restoration of the Segura River Basin.

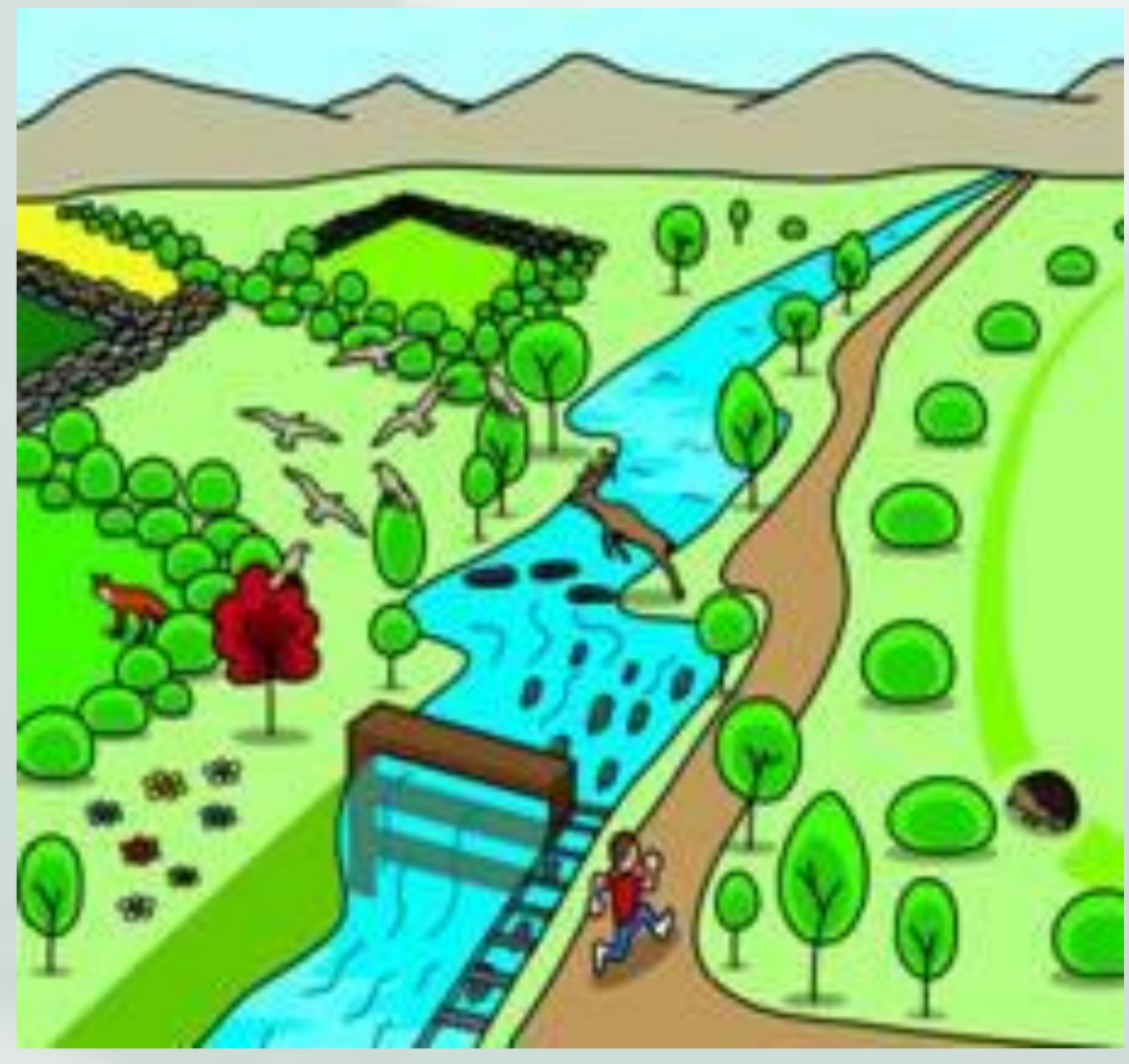
Aims
 To demonstrate and validate management measures for the development of a **Green Infrastructure** approach into the context of a Mediterranean river basin characterized by a high impact in its fluvial connectivity.

Period September 2013 – July 2017
Total project budget 3,424,250 € (49.8% EU)

Green Infrastructure (GI): a smart solution for today's needs...

What is a GI?

- A successfully tested tool for providing ecological, economic and social benefits through natural solutions.
- A strategically planned network of natural and non-natural areas with other environmental features designed and managed to deliver a wide range of ecosystem services.



Green infrastructures COM(2013)

Main actions

Increase river connectivity

- Removal of an unused weir.
- Construction of 8 fish passages (Bypass fishway, rock-ramp fishway and vertical-slot fishway have been selected according to their suitability for each action site).
- Restoration of riverine vegetation at weir sections.


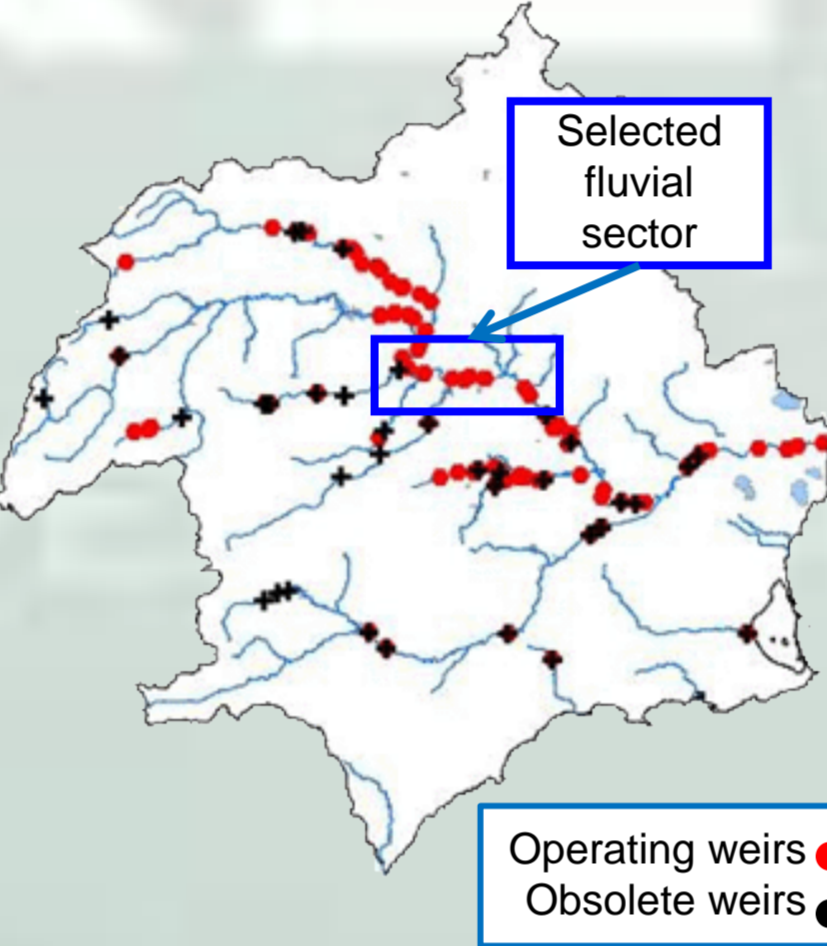




Segura River Basin

SE Iberian Peninsula
 18,870 Km²

Action area

Due to the historical pressures the Segura River is one of the most regulated rivers in Europe (more than 160 inventoried obstacles).

- The project will be implemented on selected sites over a 54 km.
- In the Nature 2000 Network areas or linking them.
- Including urban areas as a means of facilitating stakeholder engagement.

Social involvement and awareness

- Land custody network (fluvial stewardship) to involve stakeholders on the river management.
- Education and volunteering programs.



Monitoring and socio-economic assessment



- Operative indicators at fish passage systems (fish-based assessment).
- Fish community and populations (fish-based assessment).
- Bird community and river-bank associated fauna, vegetation communities, water and sediments.
- Socio-economic assessment.



Added value to the project - Outcomes

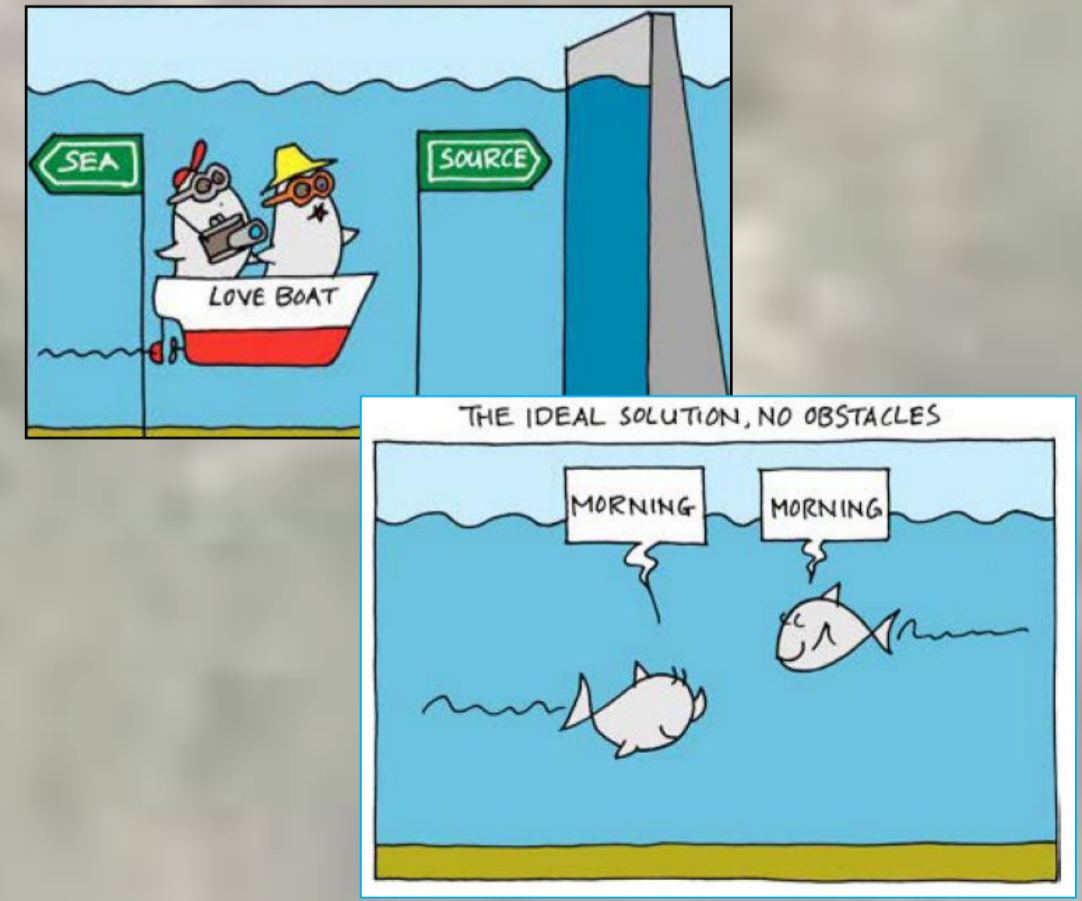
The project will...

- Protect local and riverine habitats.
- Allow fish migration along an important fluvial sector.
- Build a cadre of scientific and social knowledge to improve river management quality and to comply with EU Water Framework Directive and EU Biodiversity Strategy to 2020.

A long term view...

- Fish home in good status.
- The green highway of the Segura River will be free of obstacles.
- Hydraulic infrastructures renovation.
- No future deterioration in fish migration.
- Achieve the maximum ecological potential in heavily modified waters.



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