

## OVERVIEW

**Ecohidráulica S.L.** is a consulting company specialized in the development of **innovative solutions** in the field of **hydraulic resources** and their linked **ecosystems**.

We provide quality and efficient solutions adapted to customer needs, in research, management and planning of natural resources.

To that end, our work is organized in two lines linked by a multidisciplinary approach:

- R+D
- Development of solutions

**Ecohidráulica S.L.** fills the existing gap in freshwater sciences: the link between **research** and **science**.

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 **ecohidráulica**

*Spin-off company from the Polytechnic  
University of Madrid*

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### Environmental Flows Assessment

**Ecohidráulica Ltd.** has an extensive experience in **Environmental Flows Assessment**. Water regimes are designed to preserve fluvial habitat in order to sustain river and riverside life, applying on each situation the most suitable methodology including: Hydrological or hydraulic Methods, Habitat Simulation Methods and Holistic Methods.



### Restoration of Rivers and Streams

Current European legislation is intended to force ecological rehabilitation of water bodies and prevent them from further degradation.

**Ecohidráulica Ltd.** provides solutions for River Restoration based on an overall consideration of the circumstances of the river basin.

Measures are proposed on the basis that they act against the degradation causes, promoting natural processes and the recovery of pre-alteration ecosystem conditions.

### Fisheries Management Plans in Continental Waters

Our Fisheries Management Plans permit to develop a sustainable management of recreational fishing. They guarantee good ecological status and persistence of fish, and the conservation of their related ecosystems. We place great importance in the monitoring of populations, that allows:

- To check the success of management measures taken
- To know about population fluctuations
- To make appropriate decisions according to the resource evolution.

### Water Framework Directive: Applied Research

The implementation of the **Water Framework Directive** aims to achieve good ecological status for all water bodies by 2015. To fulfill this objective is necessary to develop applied research on the field of water science. Within this context, **Ecohidráulica Ltd.** is working in:

- Characterization and classification of water bodies.
- Reference conditions assessment for water bodies.
- Development of methods to evaluate ecological status.
- Implementation of management measures to improve ecological status.

### Other Services:

- Benthic macroinvertebrates studies.
- Design of fish passes.
- Development of biotic indices.
- Ecological status or potential of rivers.
- Impacts on aquatic ecosystems
- Integrated river basin studies.
- Fluvial Morphology and Dynamics.
- Fisheries legislation.
- Study and management of strong anthropic ecosystems.