



<https://www.rehydro.eu/>

# Demonstration of Sustainable Hydropower Refurbishment

## Main objective

Demonstrate European hydropower refurbishment and modernization for the future energy system, respecting sustainability requirements and societal needs in a climate change context.

## Goals

- Refurbish, upgrade and increase existing hydropower capacity
- Increase technology leadership of European hydropower industry
- Enhanced sustainability of refurbished hydropower installations
- Making hydropower fit for market
- Delivering non-energy services
- Addressing EU policy priorities
- Creating more and better jobs

## Demonstration sites

Røldal-Suldal Kraftverkene (Lyse, Norway)

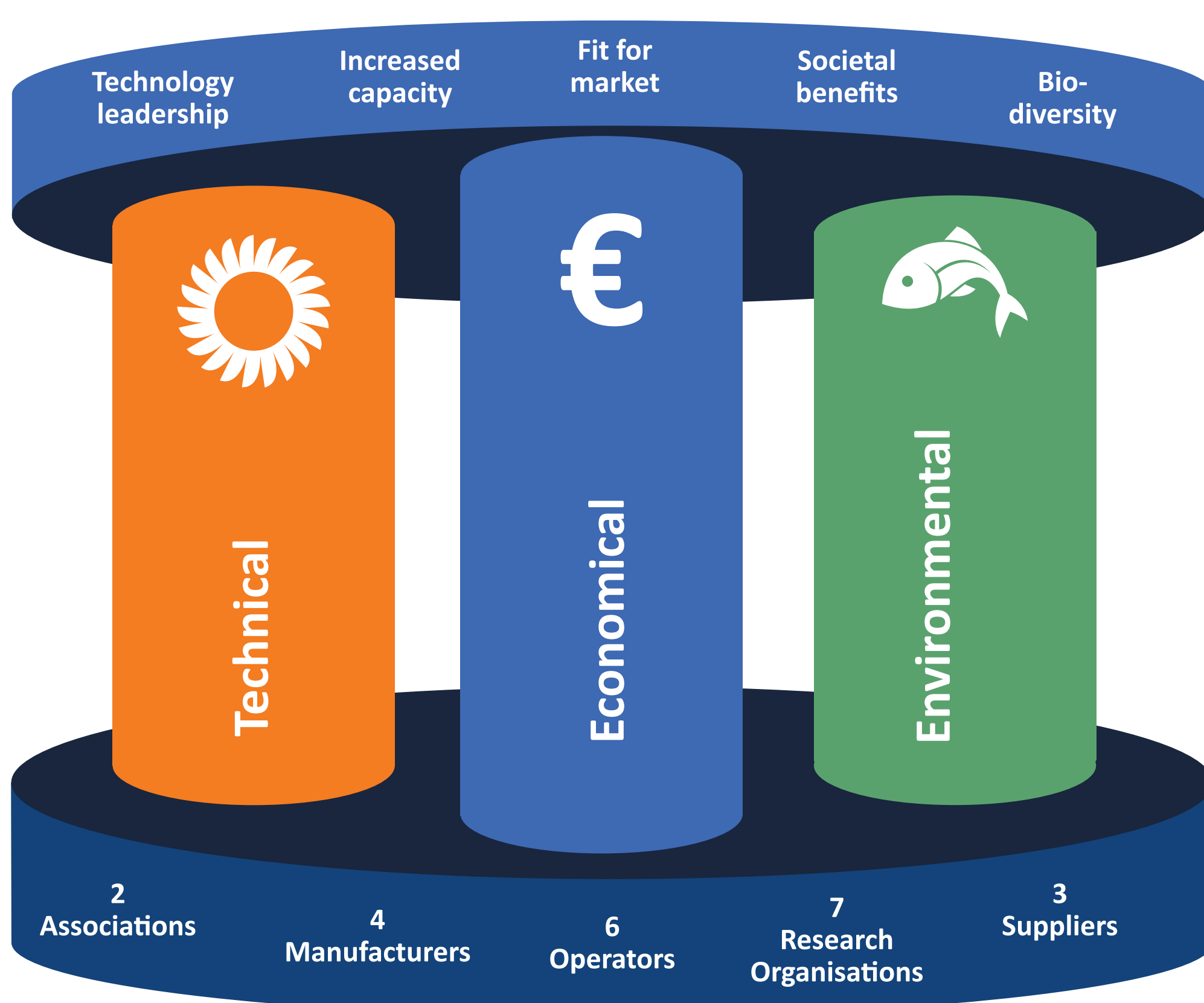
Forces Motrices de la Gougra, Upper Rhone river basin (Alpiq, Switzerland)

Saut-Mortier, Ain river (EDF, France)

Caderousse/Bollene, Rhone river (CNR, France)

Valeira, Douro River (EDP, Portugal)

## Methodology



## Technical pillar

ReHydro's refurbishment methodology focuses on developing, demonstrating, and deploying innovative technologies to modernize Europe's hydropower fleet, aligning with top sustainability standards.

## Economical pillar

ReHydro aims to find cost-effective refurbishment solutions for hydropower by considering business opportunities, competitive impact, socio-economic sustainability, and eco-services provided to society.

## Environmental pillar

ReHydro will develop and demonstrate innovative methods and technologies to assess and mitigate hydropower's environmental impacts, helping power producers upgrade production while minimizing biodiversity loss and improving energy services.

## Partners

