

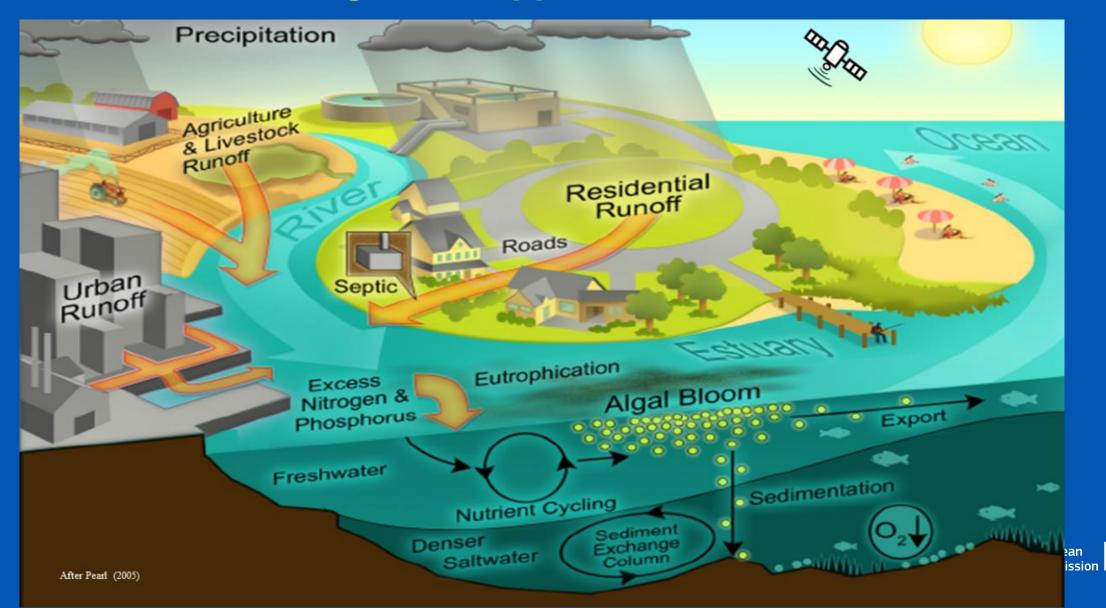
Hydropower research activities at the JRC on hydropower, EU leadership and Horizon funded projects

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D.2. Ocean and Water



JRC Ocean and Water Holistic and integrated support: freshwater - coast - sea



The EU Water Acquis

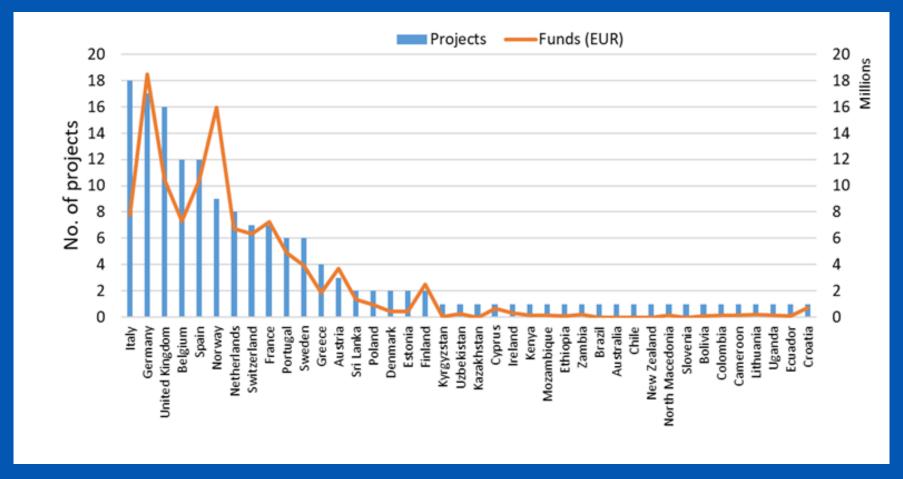


Some activities

- 1. SustHydro exploratory activity: assessing the EU potential of sustainable hydropower (and hidden hydro) and novel technologies for sustainable hydropower development, including digitalisation
- 2. Water&energy storage: ongoing
- 3. CETO: Clean Energy Technology Observatory (annual report)

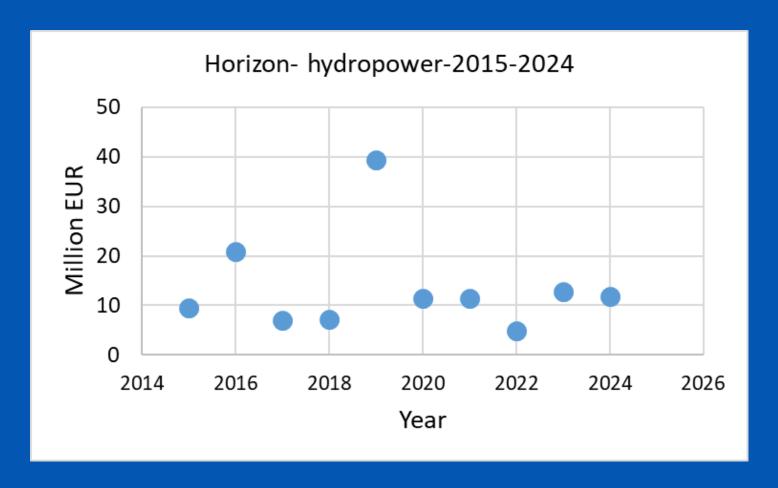


Scientific innovation in the EU: EU funded projects 2015-2022





Scientific innovation in the EU: EU funded projects 2015-2024





Recent funded Horizon projects – Development of digital solutions for existing hydropower operation and maintenance HORIZON-CL5-2022-D3-03-08

Digital solutions for improving the sustainability performance and FLEXibility potential of HYDROpower assets	D-HYDROFLEX
DIGITAL MAINTENANCE FOR SUSTAINABLE AND FLEXIBLE OPERATION OF HYDROPOWER PLANT	Di-Hydro
intelligent Asset Management Platform for Hydropower operation and maintenance	iAMP-Hydro



Recent Horizon calls

Title

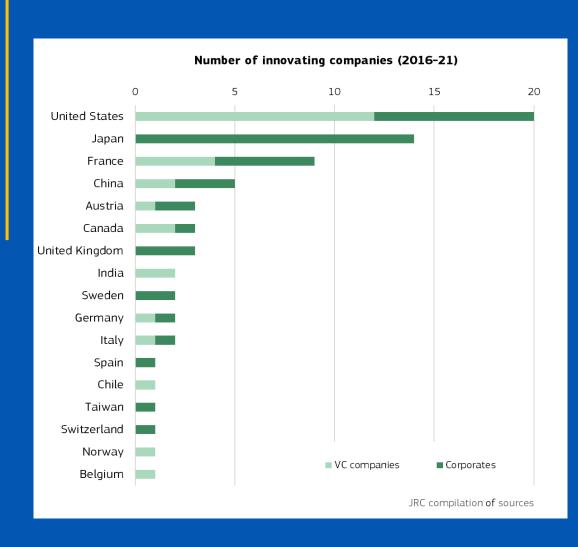
Development of hydropower equipment for improving techno-economic efficiency and equipment resilience in refurbishment situations

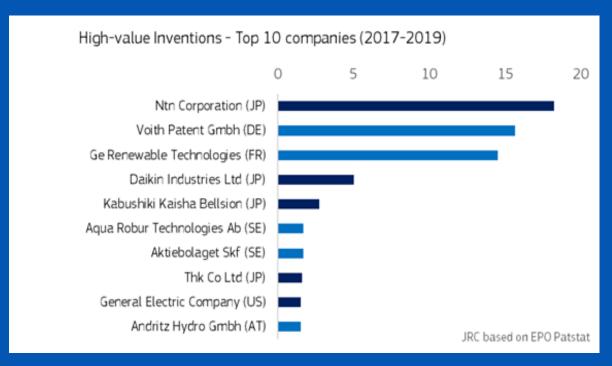
- Demonstration of innovative pumped storage equipment and tools in combination with innovative storage management systems
 - Development of novel long-term electricity storage technologies

Demonstration of sustainable hydropower refurbishment



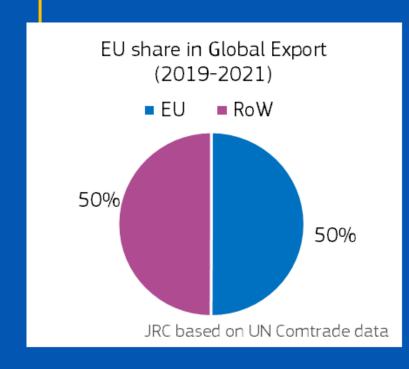
Industrial innovation in the EU

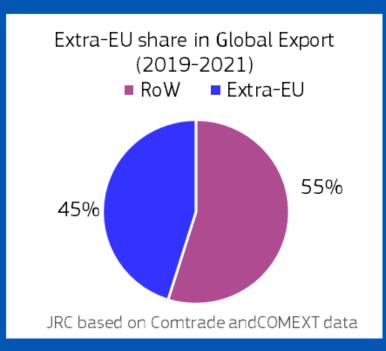


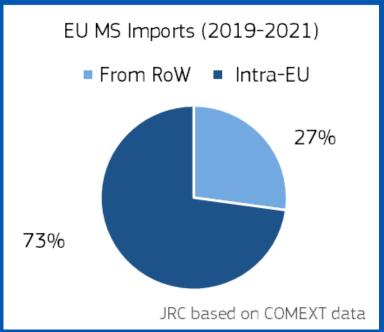




Export capacity and import







More details at: https://setis.ec.europa.eu/hydropower-and-pumped-hydropower-storage-european-union_en

Thank you



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