



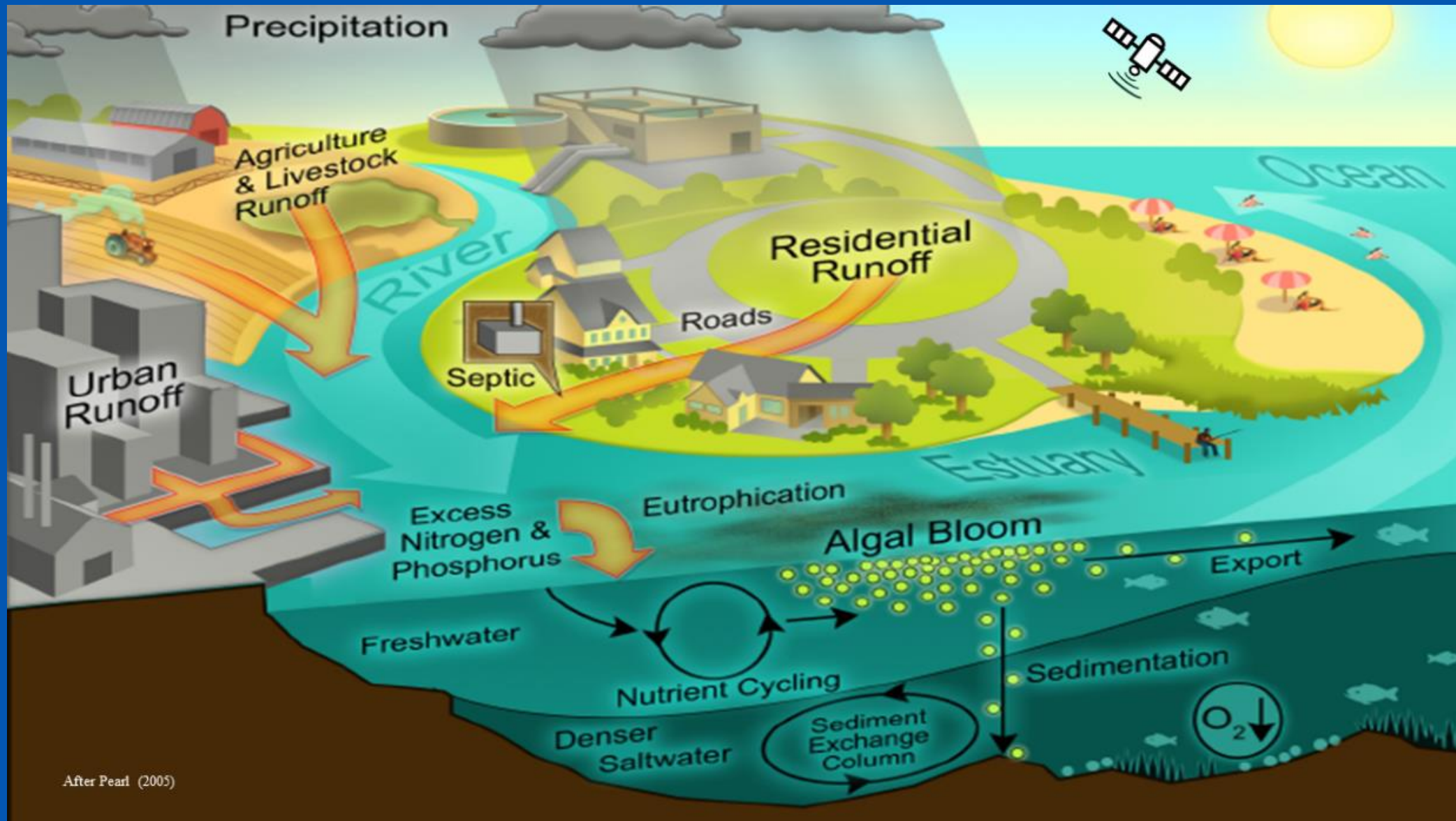
Hydropower research activities at the JRC on hydropower, EU funded projects and impacts on the industrial sector

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Emanuele.quaranta@ec.europa.eu
D.2. Ocean and Water



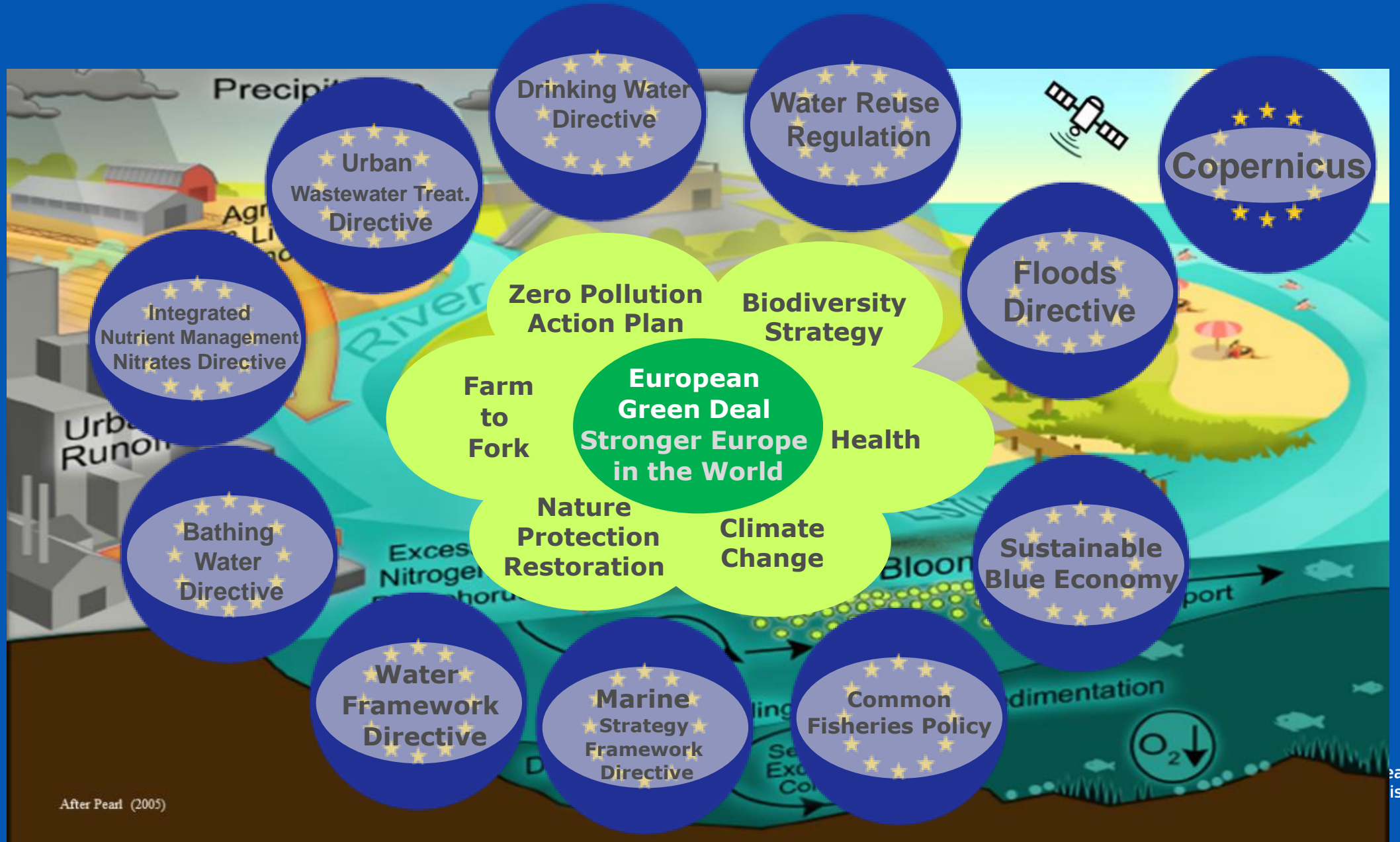
JRC Ocean and Water

Holistic and integrated support: freshwater - coast - sea



After Pearl (2005)

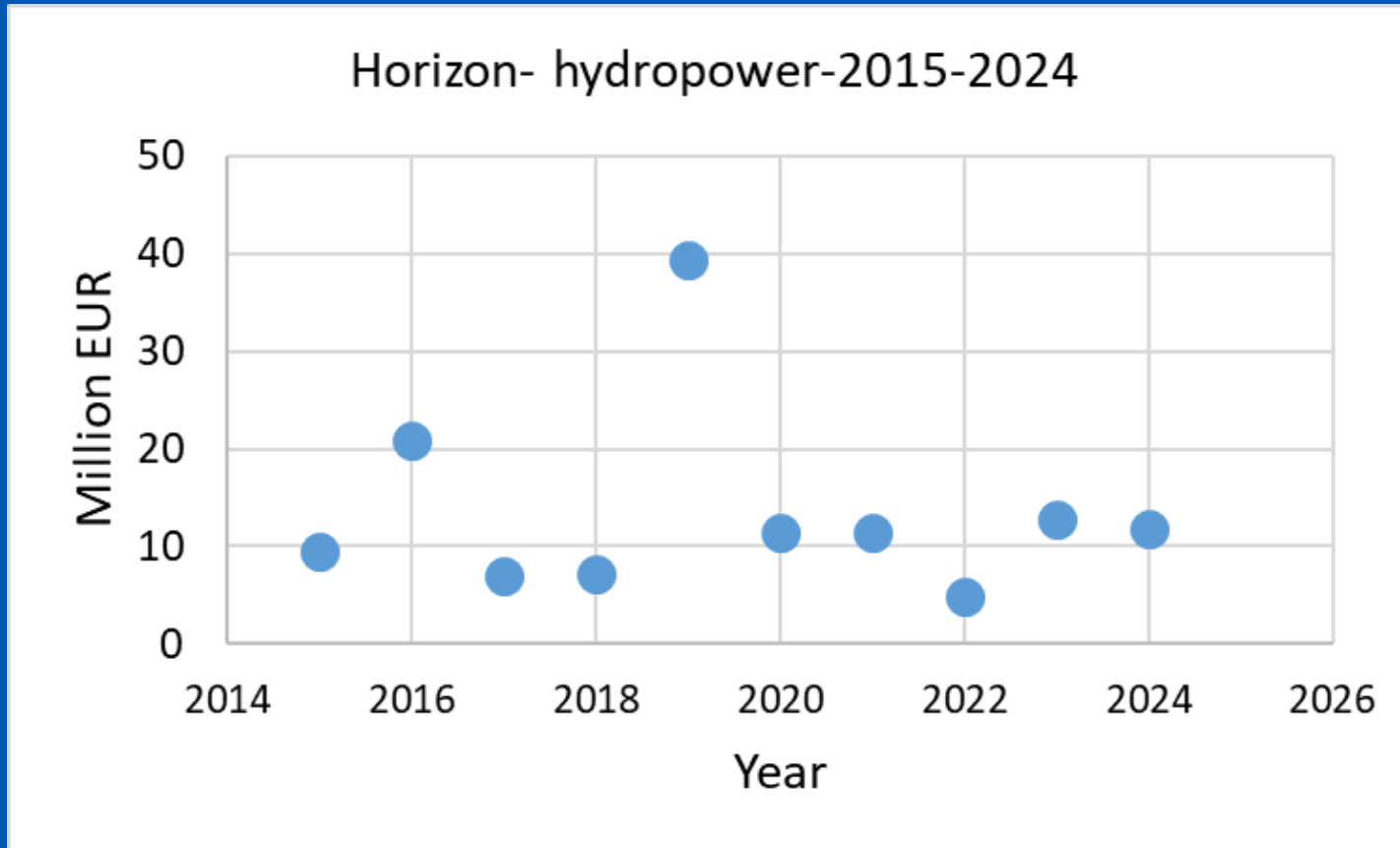
The EU Water Acquis



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 and PSH: ongoing
3. CETO: Clean Energy Technology Observatory (annual report, end of October the 2024 release)

Scientific innovation in the EU: EU funded projects 2015-2024 (Horizon framework)



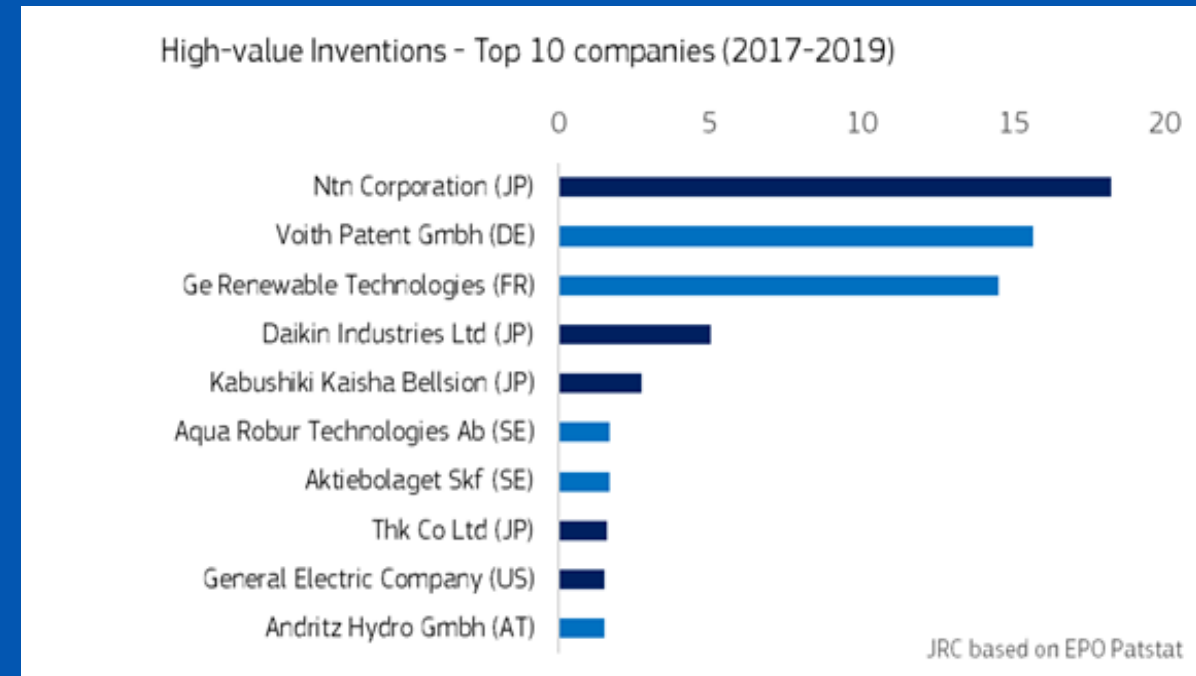
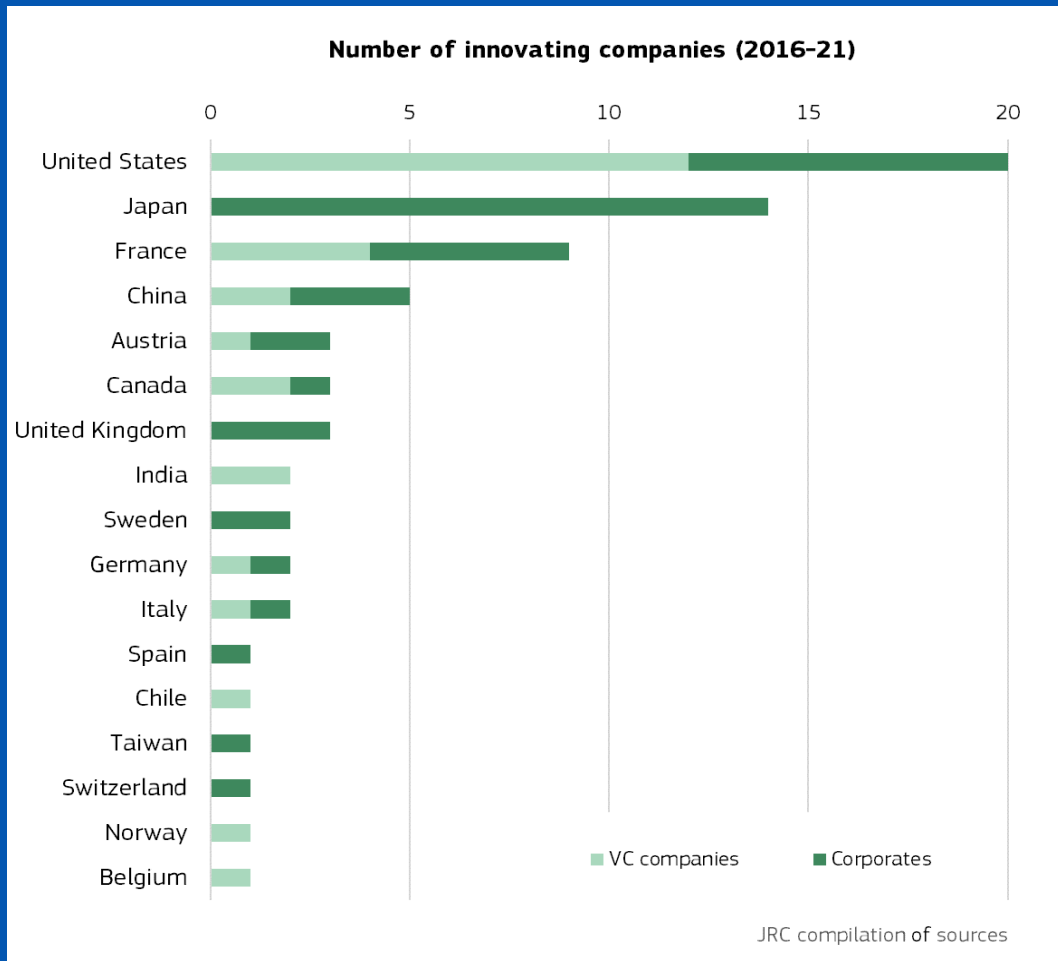
Recent Horizon calls

Title
Development of hydropower equipment for improving techno-economic efficiency and equipment resilience in refurbishment situations
<ul style="list-style-type: none">- 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

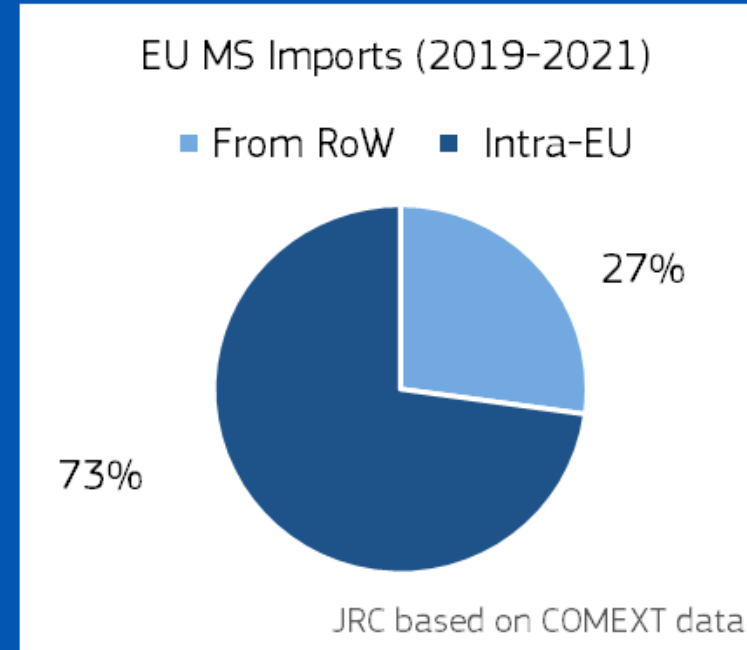
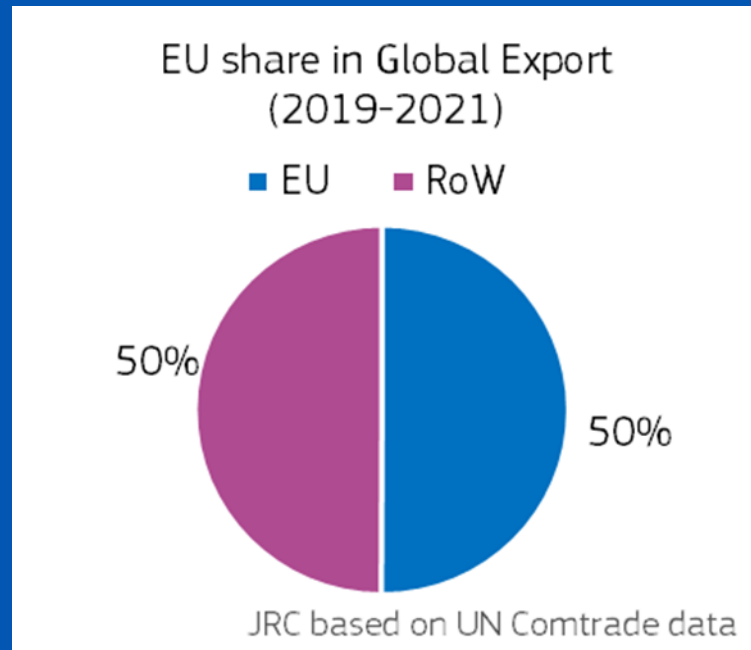
Recent funded EU projects

Demonstration of sustainable hydropower refurbishment	ReHydro
Novel long-term electricity storage technologies for flexible hydropower	Store2Hydro
Renewable Energies in European Water Mills (Interreg)	Renewat

Industrial innovation in the EU



Export and import of hydropower equipment



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

Thank you



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