NPOWER

BALANCING N & P FLOWS

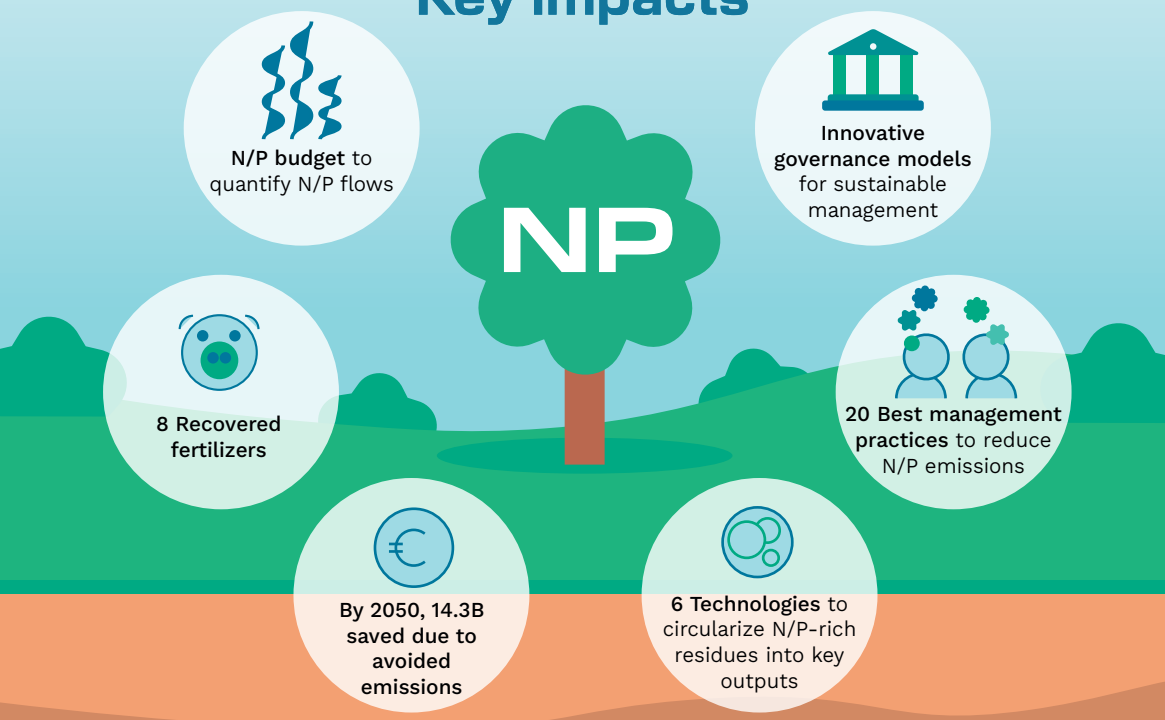
www.npower.es

REVOLUTIONIZING NUTRIENT MANAGEMENT FOR A SUSTAINABLE FUTURE

NPower is redefining how Europe manages Nitrogen and Phosphorus (N/P) by bridging regional innovation with scalable solutions. The project works to rebalance N/P flows and cut emissions, all while fostering a circular economy of nutrients that delivers lasting benefits for communities and the environment.

#CircularEconomyOfNutrients

Key impacts



Technologies to circularize and recover N/P

- Bacteria cocktails and nanobubbles for pig manure treatment
- Biogas/ fertilizers production from pig manure, animal by-products and plant-based agricultural residues.
- Halophyte production from aquaculture effluent
- Recovery of phosphate salts from urban wastewater
- Recovery of N-rich reclaimed water from urban wastewater
- Recycling of run-off water for irrigation

Key N/P emitting sectors

Agriculture | **Water/waste management** | **Energy and transport** | **Industrial sectors** | **Other primary sectors**

6 EU COUNTRIES; **4** REGIONAL CLUSTERS: SPAIN, BELGIUM, FINLAND, IRELAND; **€14.3B** SAVED DUE TO AVOIDED EMISSIONS BY 2050

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