



LIFE projects on wastewater: from R&D to pilot testing and implementation

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LIFE Programme



4th Phosphorus in Europe Research Meeting

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LIFE Programme 2021-2027

LIFE remains the only EU programme exclusively dedicated to the environment, nature conservation and climate action



Total indicative budget 2021 -2027

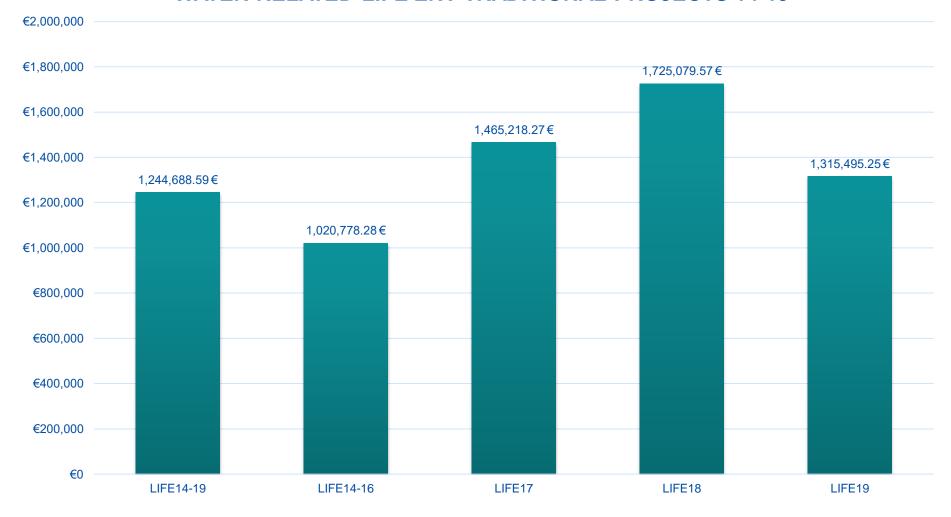
- ~ € 5.43 billion
- Sub-programme Nature and Biodiversity (€ 2 billion)
- Sub-programme Circular Economy and Quality of Life (€ 1.35 billion)
- Sub-programme Climate Change Mitigation and Adaptation (€ 0.95 billion)
- Sub-programme Clean Energy Transition (€ 1 billion)

Major Changes

- Expanded use of strategic integrated projects
- New application tool (eGrants Funding & Tender Portal)
- Greater flexibility to target key emerging issues



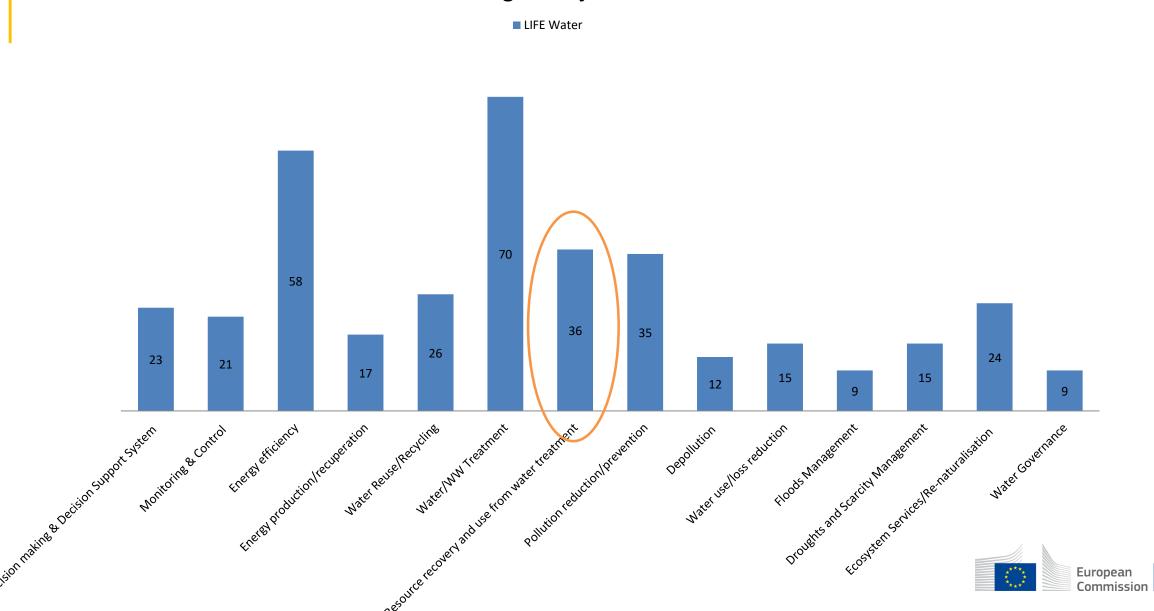
WATER-RELATED LIFE ENV TRADITIONAL PROJECTS 14-19



	LIFE14-19	LIFE14-16	LIFE17	LIFE18	LIFE19
Number of projects	99	53	16	15	16
Total cost	€ 227.940.520,0	€ 97.834.982,0	€ 42.062.147,0	€ 52.064.142,0	€38.510.176,0
Total EU Contribution	€ 123.077.869,0	€ 54.101.249,0	€ 23.443.492,4	€ 25.876.193,6	€21.047.924,0
Average EU Contribution	€ 1.243.210,8	€ 1.020.778,3	€ 1.465.218,3	€ 1.725.079,6	€1.315.495,3



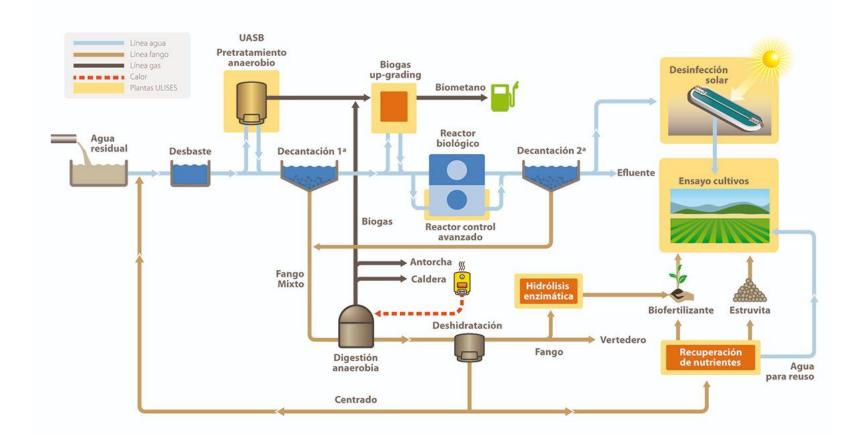
Mapping of 99 2014-19 LIFE (Environment/Resource Efficiency) Water projects according to Project Aims



LIFE18 ENV/ES/278 - ULISES



The **main objective** of LIFE ULISES is to demonstrate a novel shift of a conventional wastewater treatment plant (WWTP), from a high-energy consumer and waste producer, into a **resource efficient infrastructure**, focusing on energy self-sufficiency and the "full-recycling" concept.



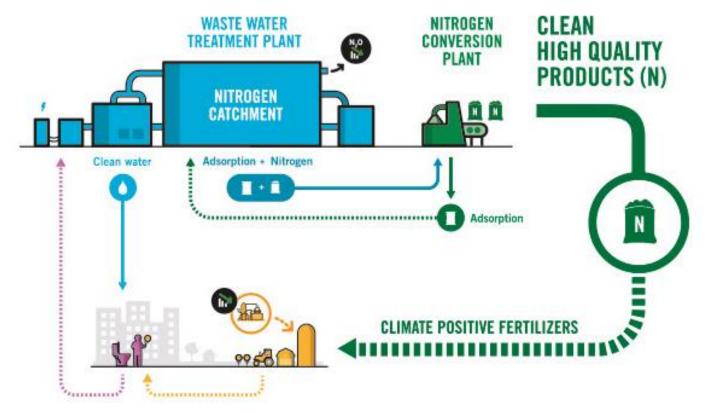
Expected nutrient recovery:

60 t N/yr and 20 t P/yr



LIFE18 ENV/SE/265 — RE-FERTILIZE

The overall goal of the project is to demonstrate a new, innovative cleaning and recovery process for ammonia/nitrogen, which can be used for a number of different ammonia products (e.g. fertilizers).



Applications:

- Demonstration of the prototype at WWTP
- Demonstration of the prototype at landfill

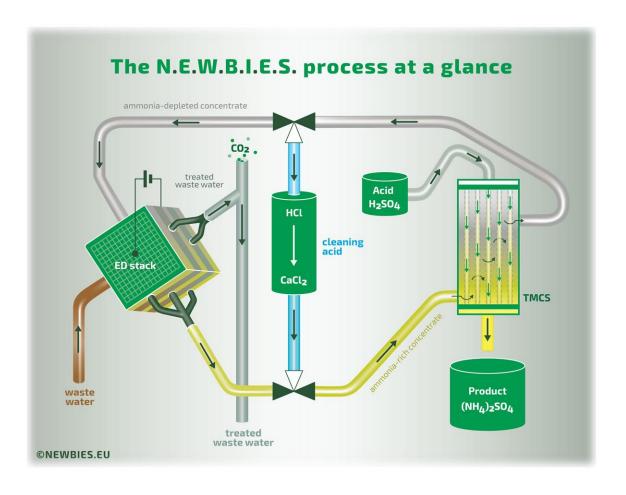
Expected nutrient recovery: 95% recycling of ammonia (35 tons/year)



LIFE 17 ENV/NL/408 - NEWBIES



The LIFE NEWBIES project will validate Nitrogen Extraction from Water by an Innovative Electrochemical System (NEWBIES) for different waste streams.



Applications:

- Reject water from digestate sludge centrifuge
- Human urine (source separated, hydrolyzed)
- Landfill leachate

Expected nutrient recovery: 1 kg N per day



More information

- LIFE Call for proposal 2021 to be launched in June 2021 https://cinea.ec.europa.eu/life/life-calls-proposals_en
- LIFE EU Info Days 22 25 June 2021
 https://cinea.ec.europa.eu/events/save-date_en
- The LIFE Project database https://webgate.ec.europa.eu/life/publicWebsite/search



Thank you





ec.europa.eu/life



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