







Executive Agency for Small and Medium-sized Enterprises

LIFE Environment Water

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LIFE for the Environment

- Programme for the Environment and Climate Action
- Since 1992 to improve the state of the environment
- Budget 2014-2020: €3,456.7 million
- Key documents: The LIFE Regulation 2014-2020 and the LIFE Multiannual Work Programme 2014-2017





Executive Agency for SMEs







LIFE 2014-2020 – Objectives

- contributing towards a resource-efficient, low-carbon and climateresilient economy; protecting and improving the environment; maintaining and improving biodiversity, ecosystems and, in particular, the Natura 2000 network
- improving the development, implementation and enforcement of Union environmental and climate policy and legislation
- integrating and mainstreaming of environmental and climate objectives into other Union policies
- improving environmental and climate governance
- Implementing the 7th Environment Action Programme







LIFE 2014-2020 – Priority Areas

- Environment sub-programme (2,592.5 Million euros)
 - Includes: Environment & Resource Efficiency
- Climate Action sub-programme (864.2 Million euros)
- > Priorities for **Water** area of sub-programme for Environment
 - Supporting the implementation of relevant Directives (e.g. WFD, MSFD)
 - Roadmap for a Resource-Efficient Europe and the 7th Environment Action Programme
 - Activities to ensure safe and efficient use of water resources, improving quantitative water management, preserving a high level of water quality and avoiding misuse and deterioration of water resources.





Environment WATER topics

> Water, floods and drought

- Management of nutrients, organic pollution (human/ agricultural origin) and chemicals
- Re-naturalising water env (river, lake, coastal)

Marine and coastal management

pressure of activities on marine environment

> Water Industry

- technologies for drinking water and urban WWT
- innovative solutions and/or treatment options regarding recycled/reclaimed water/water supply/reuse and recovery of resources



Full Picture 2014-2015 LIFE Env. WATER





LIFE WATER projects in Agricultural





LIFE WATER projects in Agricultural

<u>Water – Reuse</u> Agriculture

14 DRAINUSE

A full re-circulation system for soilless culture in the Euro-Mediterranean region

A pilot system will be tested for in tomato plants for collecting drainages coming from the normal irrigation, disinfect them and adjust nutrients, pH and elec. conductivity with the purpose of making drainages re-usable for a new irrigation cycle.

<u>Water – Reduce pollution</u> Agriculture

15 LEMNA

Reduce pollution of water bodies from agricultural and livestock manure by removing nutrients.

Demonstrating a duckweed plant technology for nutrient (N and P) recovery from manure streams thus improving nutrient management and reducing environmental impacts of animal farming on water bodies (e.g. eutrophication).





LIFE WATER projects WWTP & Agricultural





LIFE WATER projects WWTP & Agricultural



Full Picture





Coastal Env.



LIFE WATER projects – Coastal sediment

<u>Treatment:</u> Clean dredged sediments

15 SURE

Clean and recycle dredged sediments and remove eutrophic and polluted sediments

Demo retrieving and recycling of sediments from shallow eutrophic waters (40k m³ of sediments). Recycle 70% at 50% less cost. Valorise nutrients in agriculture.

Coastal Env.



Other LIFE projects – TRIALKYL

Optimise: New production methods **14 TRIALKYL** More sustainable process for producing P based products. Trimethylphosphite (TMPi) is a compound used in many products. Its production involves toxic chemicals. The project aim is to improve production avoiding toxic chemicals and the production of contaminated WW.







Thank you for your attention!

http://ec.europa.eu/environment/life

LIFE Projects:

http://ec.europa.eu/environment/life/project/Proj ects/index.cfm