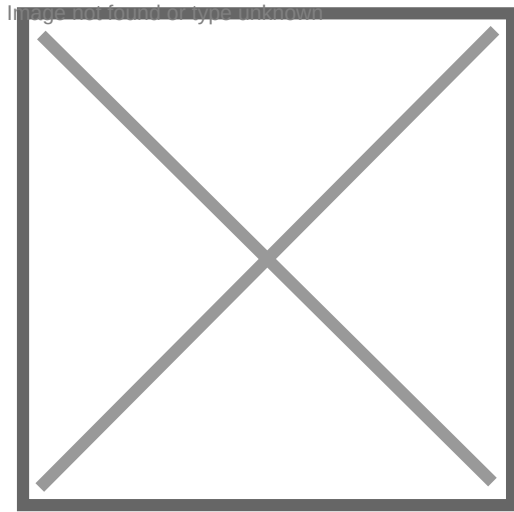




CE-SC5-04-2019

WIDER UPTAKE

Full Title: WIDER UPTAKE OF WATER-SMART SOLUTIONS

Aim:

The aim of WIDER UPTAKE is to facilitate industrial symbiosis to increase resource efficiency, limit emissions and develop sustainable business based on water-smart solutions. The overall objective is to co-develop a roadmap for widespread implementation of water smart symbiotic solutions for wastewater reuse and resource recovery, based on the principles of the circular economy.

Concept:

WIDER UPTAKE will demonstrate innovative solutions that optimize water reuse, resource recovery and energy utilisation where market utilisation of the recovered resource(s) is achieved through a symbiosis between the water utility and industry. The case studies will provide applied knowledge on operationalization of the solutions that will be shared and further co-developed in a community of practice. The demonstrations are: Wastewater reuse for agriculture and urban greening (Italy, Ghana, and Czech Republic); Phosphorus recycling, biogas, and biochar utilization (Norway, Italy, and Ghana); and Production of bio-composites for manufacturing materials with resources recovered from the whole water cycle (Netherlands). WIDER UPTAKE's hypothesis is that the barriers for wider uptake of water-smart solutions are not only technological but also of an organizational, regulatory, social, and/ or economic character. WIDER UPTAKE will identify and demonstrate common measures for wider uptake through activities including Monitoring and control of health and quality risks; Circular-economy and efficiency potential; Governance and business models for industrial symbiosis; and Measuring water smartness and progress towards Sustainable Development Goals

(SDGs).

Start date:

01/05/2020

End date:

30/04/2024