



WATER SMART INDUSTRIAL SYMBIOSIS

CE-SC5-04-2019

ULTIMATE

Full Title: Industry water-utility symbiosis for a smarter water society

Aim:

ULTIMATE aims to become a catalyst of a particular type of industrial symbiosis termed “Water Smart Industrial Symbiosis” (WSIS). Water and wastewater play a key role, both as a reusable resource, and as a vector for energy and materials to be extracted, treated, stored and reused within a dynamic socio-economic and business oriented industrial ecosystem.

Concept:

ULTIMATE will develop and demonstrate systemic inter-linkages in nine highprofile case studies in Europe and Israel, covering the agro-food processing industry, the beverages industry, the heavy chemical/petrochemical industry and biotech industry. ULTIMATE will assess technologies and apply digital support tools to improve systemic interlinkages, develop innovative valorisation schemes through business models and symbiotic arrangements. It will promote business transformation to WSIS through active stakeholder engagement and co-creation, reduce barriers through novel governance approaches and best practice guidelines, thereby supporting the transition to a Circular Economy and implementation of EU policies. Within ULTIMATE ‘hubs for circularity’ clusters will be created, as targeted within the SPIRE 2050 Vision for Industrial Symbiosis, and the public understanding and interest required to achieve long lasting change in both the society and the economy will be established.

Start date:

01/06/2020

End date:

30/05/2024