

SC2 and KET-B Brokerage Event

Food Security | Sustainable Agriculture and Forestry | Marine, Maritime
and Inland Water Research | Bioeconomy | KET-Biotechnology |

Brussels, 26th June 2018



Session Sustainable Food Security

Towards a sustainable circular smart water

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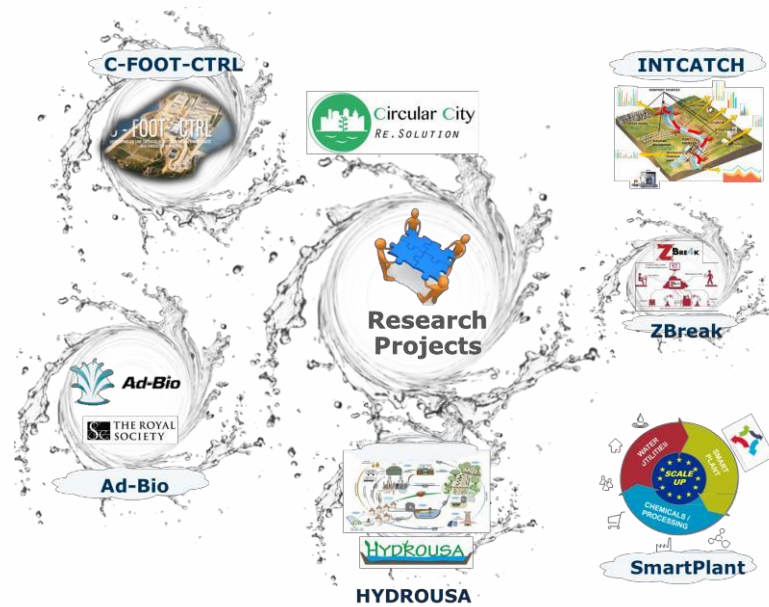
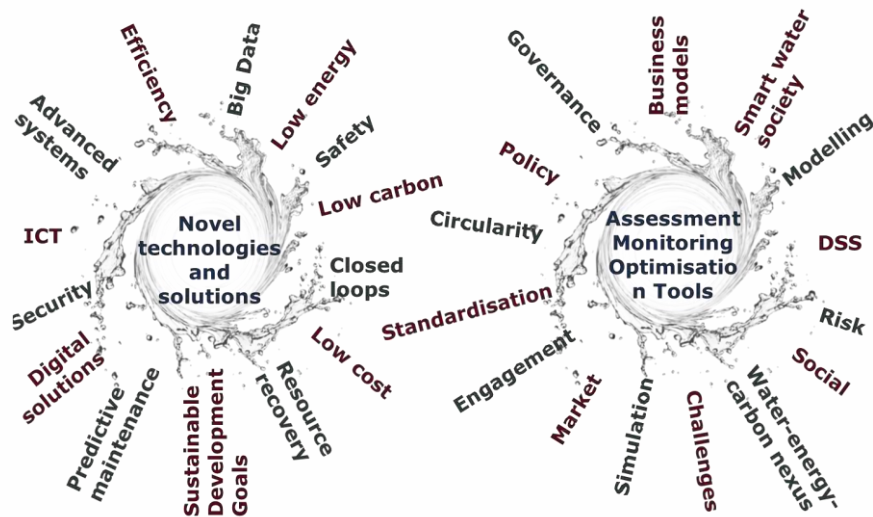


www.ncp-biohorizon.net

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#BioBrokerage

Relevant expertise: Water Engineering Group



INTCATCH

Development and application of Novel, **I**ntegrated
Tools for monitoring and managing **C**atchments



Supported by
the Horizon 2020
Framework Programme
of the European Union

Scale-up of low-carbon footprint **M**Aterial **R**ecove**R**y **T**echniques
for upgrading existing wastewater treatment **P**lants



Nature-based solutions for Smart water management in
Mediterranean areas

C-FOOT-CTRL

Developing on line tools to monitor, control and
mitigate GHG emissions in WWTPs



Water Network/Platform Industrial partners



UNIVERSITÀ
POLITECNICA
DELLE MARCHE



UNIVERSITAT DE VIC
UNIVERSITAT CENTRAL
DE CATALUNYA



KOMPETENZENTRUM
Wasser Berlin

AffinityWater

BUROHAPPOLD
ENGINEERING



DTU



UAB



National
Technical
University of
Athens



SAPIENZA
UNIVERSITÀ DI ROMA



ARUP



UNIVERSITAT DE
VALÈNCIA



Personal Genomics

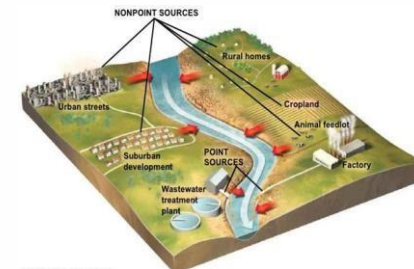
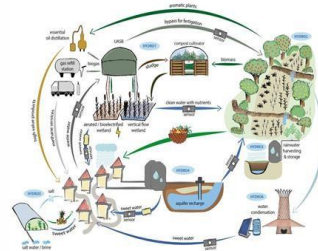


Imperial College
London



Role in the consortium

- Performance and impact assessment of demonstration systems and services (novel circular economy assessment methodology)
- Monitoring of the demonstration sites and ICT integration
- Technological solution for integrated waste and wastewater treatment and resource valorisation



Role in the consortium

- **CE-BG-06-2019 Sustainable solutions for bio-based plastics on land and sea:**

Biobased products (technology development and assessment tools; circular concept)

- **CE-RUR-08-2018-2019-2020 Closing nutrient cycles:**

Water-Energy-Food nexus model

- ✓ Sustainable Food Value Chain
- ✓ Agribusiness in Africa
- ✓ Food technology and sustainability
- ✓ Sustainable energy use in food chains
- Brunel is the leader of Food Helix of Vision 2020 network



Topics of interests:

- SFS-37-2019: Integrated approaches to food safety controls across the food chain
- LC-SFS-34-2019: Food Systems Africa
- CE-RUR-10-2019: Circular bio-based business models for rural communities

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Thank you for your attention!