

CSC Conference Digital Water Panel

MONTSE MUSSONS 12 / 1 / 2017



Our mission



Cetagua, as a technological center of reference at national and international level, is able to contribute value within the Suez Group in the creation of knowledge and development of technologies related to the water cycle. Our contribution is especially relevant and innovative in the following fields:

WATER RESOURCES MANAGEMENT AND REUSE Guarantee of supply. Quality in reuse, fit for use. Management of aquifers.

SUSTAINABILITY Water footprint. Circular economy. Life cycle analysis (LCV). Cost of

the life cycle (CCV). Cost-benefit

analysis (CBA).

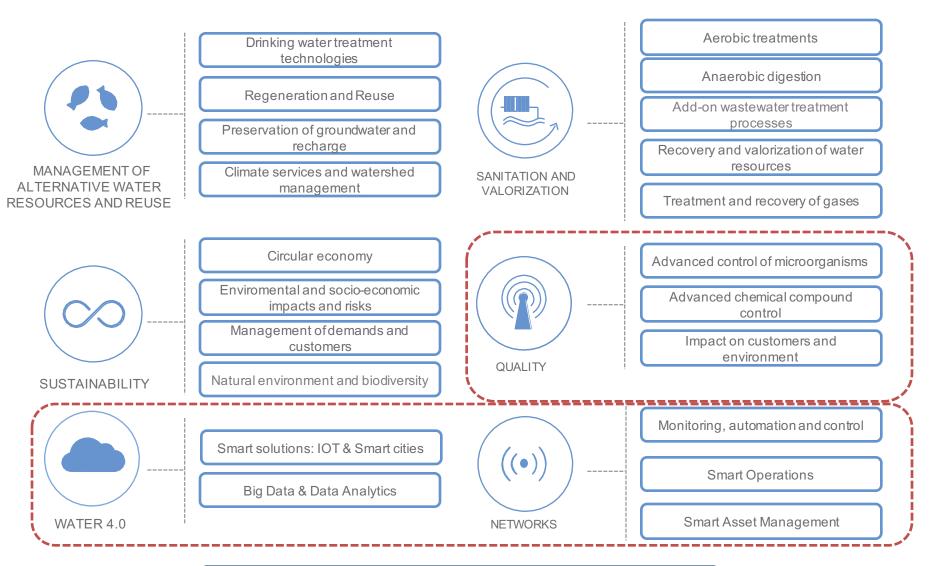
WATER 4.0

Robotics, Sensors, IoT. Mobility. Data analytics. Big data. Artificial intelligence.

In addition, Cetagua offers a TERRITORIAL SUPPORT, involving local actors, support to the concessionaries and the own trustees in order to propose innovative solutions in the integral water cycle.

Lines of work





CETaqua also chairs WssTP's WG on Water & ICT



1. Information for Cities and Citizens

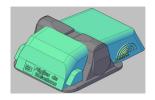


CITYSENSIA

Mobile sensing











Mobile sensing of air quality parameters: Acquisition, transmission, management, visualization and statistical analysis of data.

Development of a multi-layer software platform to manage **high volume** and **data diversity** from lowcost sensors to foster new digital services in the framework of smart cities.

Real time mobile IoT sensoring system through GPRS communication.

IOT 169



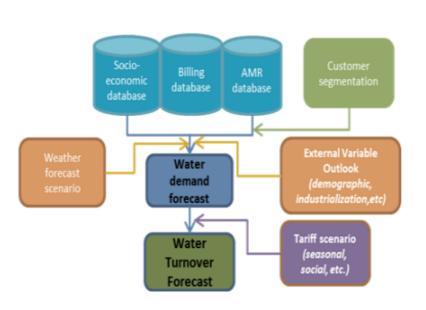
IoT with Ultra Narrowband High Power RF Module at 169MHZ

Integration and evaluation of a VHF 169MHZ wireless communication component on the prototype device developed within the CitySensia project.

2. Water Resources Management



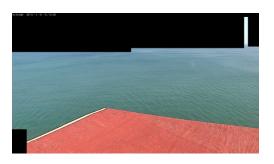
AQUADEMAND

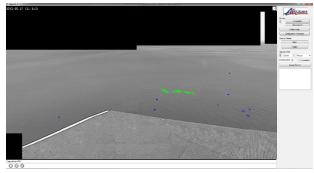




SEGVERT







3. Resilience of City Infrastructure



- Provide innovative models and tools to multisectorial end-users facing climate change challenges to build more resilient cities
- The holistic approach of the urban resilience will enable city managers and urban systems operators to decide the optimal investments to cope with future situations
- Cities studied: Barcelona, Bristol and Lisbon





































Thank you!

Montse Mussons mmussons@cetaqua.com

CETAQUA BARCELONA

Crta. d'Esplugues, 75 08940 Comellà de Llobregat Barcelona Tel. 93 312 48 00

www.cetaqua.com



https://twitter.com/cetaqua



https://www.youtube.com/user/Cetaqua