



# Horizon2020 Information Days on Public-Private Partnerships

Brokerage event  
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**WATER MANAGEMENT FOR PROCESS EFFICIENT INDUSTRIES**

**RICARDO RATO**

**RARATO@ISQ.PT**

# ISQ – Sustainable Innovation Centre

## ISQ:

- Founded in 1965, headquarters in Portugal, more than 30 subsidiaries all over the world;
- 1.400 employees, 800 in Portugal;
- 16 accredited laboratories;
- Promoted more than 400 R&D international projects, with more than 1.200 partners.

## SIC main working areas:

- Circular Economy;
- Life Cycle Management;
- Energy & Water Management;
- Eco-Efficiency Assessment;
- Resources recovery;
- Sustainability assessment tools;
- Environmental modelling and remediation;
- Water re-use.

# PROJECT IDEA

## The Project has the following objectives:

- Development of water management, optimization methodology and tool to be integrated in Total Efficiency Framework (holistic resource and energy efficiency assessment developed by MAESTRI project which combines LCA , Environmental Performance and LCC);
- Demonstration of innovative technologies & methods for water recycling, re-use, recovery, treatment, symbiosis, etc.;
- Integrate the resulting tools and relevant KPIs with the strategy, management system and manager's behavior of the companies, to ensure the proper motivation and people engagement on every levels;
- Investigate and adopt real time metering for water flows by adopting the Internet of Things (IoT) concept;

**The project will address SPIRE-01-2016: Systematic approaches for resource-efficient water management systems in process industries.**

# EXPECTED IMPACT

## Project main expected impacts:

- Reduction of:
  - Water use;
  - Wastewater production;
  - Energy use;
- New technology developments in water recycling, re-use, recovery, treatment, symbiosis, etc.

# LOOKING FOR PARTNERS

## ISQ is looking for:

- Industries with intensive water consumption;
- SMEs with innovative water technologies;
- Experts on water management strategies (Universities and Research Centres).

# CONTACT DETAILS

## Contact:

- **Name:** Ricardo Rato
- **E-mail:** [RARATO@isq.pt](mailto:RARATO@isq.pt)
- **Telephone:** (+351) 214 229 005
- **Mobile:** (+351) 927 998 383