

<b>Draft Project Title</b>	Next generation of water systems in the context of circular economy
<b>Short Description of the project idea and expected outcomes</b>	A lead demonstration project addressed to improve the quality and reuse of different water sources (freshwater, wastewater, industrial water) by means of smart management of resources, increasing the water reuse using energy resources efficiently and recovering the nutrients contained in water. Smart strategies to provide water to municipalities, industry and agriculture in a sustainable way with high specialization and with the more innovative technologies. Social awareness of the lack of water and how this impact in our life by means of education for water and governance and new models will be also addressed.
<b>Main Objectives</b>	<ul style="list-style-type: none"> <li>- Reduce water and energy consumption and recover nutrients using innovative technologies.</li> <li>- Overcome the barriers and bottlenecks to create new opportunities of business in water field</li> <li>- Demonstrative management project in three different EU regions with different water systems, management, expanding the uses of reused water</li> </ul>
<b>Specific Objectives</b>	<ul style="list-style-type: none"> <li>- Reduce the water consumption and increase its quality by means of reuse practices</li> <li>- Reduction of external energy consumption by using more efficient processes and renewable/waste energy</li> <li>- Recovery of nutrients (macro and micro), CRM</li> <li>- Demonstrate an innovative water management focusing on public water ownership at large scale (Barcelona region)</li> <li>- Demonstrate an innovative water management focusing on industrial reuse at North site of Europe</li> <li>- Expanding the re-use of treated wastewater</li> <li>- Closing the water cycle by increasing the efficiency of wastewater treatment plants</li> <li>- Engage all relevant stakeholders, especially user communities, at an early stage in the co-creation process</li> <li>- Develop systemic eco-innovative approaches in water management.</li> <li>- Involvement of society in water management</li> </ul>
<b>List of potential activities</b>	<ul style="list-style-type: none"> <li>- Project Management and coordination</li> <li>- Adaptation and demonstration of new technologies</li> <li>- Water management in the framework of circular economy</li> <li>- Governance, regulatory and other bottleneck barriers</li> <li>- Business plan and finance for innovation</li> <li>- Dissemination and education for water</li> </ul>
<b>Expected impact on European level</b>	<ul style="list-style-type: none"> <li>- Significant reduction of the current water and energy consumption interconnectivity between the water system and industry;</li> <li>- Increased public involvement in water management;</li> <li>- Increased citizen satisfaction with water services;</li> <li>- Replication of new business models</li> <li>- Creation of new markets in the short and medium term;</li> <li>- Providing evidence-based knowledge regarding policy framework for circular economy in the EU;</li> <li>- Ensure sustainable consumption and production patterns</li> </ul>
<b>Call identifier</b>	CIRC-02-2016-2017
<b>Full topic</b>	Water in the context of the circular economy
<b>Type of action (RIA, CSA, etc.)</b>	IA
	I am looking for a project leader/coordinator
<b>Which kind of partner are you searching for?</b>	<p>Research Institute/University</p> <p>SME</p> <p>Industry</p> <p>Public institution</p> <p>Demo-site leader</p>

<b>Expertise or specific role of partners sought</b>	Partners leading other complementary demosites and gathering the necessary stakeholders/players (e.g. based on water cycle, industry, chemicals and nutrients recovery, etc.) and industries and SMEs
<b>Partners sought from specific country or region, please indicate</b>	Eastern Europe, Finland, The Netherlands, etc.
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<b>Organisation</b>	LEITAT Technological Center
<b>Description of the organisation</b>	<p>LEITAT is a Technological Center, member of TECNIO and recognized by the Ministry of Economy and Competitiveness, that aims to collaborate with companies and institutions by adding technological value both to products and processes, and focuses its activity on research, development and industrial innovation (R+D+2i).</p> <p>As Technological Partner, the Center is clearly committed to adaptation to transform the technological challenges into economic and social value. Since its foundation in 1906, LEITAT has prioritized its vocation of proximity by strengthening the principles of professionalism and respect to people and environment at the same time.</p>