Press release

The international partners of REMEB evaluate the latest project results in Norway

- **The consortium, in which CENTRO CERAMICO participates, has managed to develop and validate a ceramic membrane bioreactor for wastewater reuse in the urban and industrial fields.**
- **The initiative, co-financed by the European Horizon 2020 programme, reaches its final stage after more than 30 months of work**

Tonsberg, Norway 05/06/2018 The eleven international partners of the REMEB project, an initiative co-financed by the European Horizon 2020 programme, have travelled to Norway to evaluate the latest results of their work at their last biannual meeting. This reunion has served to share the progress made in the implementation, development and validation of a ceramic membrane bioreactor for wastewater reuse in the urban and industrial fields.

The REMEB project, which kicked-off in September 2015 with different objectives and many expectations, comes to an end this coming August after more than 30 months of work. During this time, recycled ceramic membranes for the filtration of wastewater have been developed in a Spanish ceramic tile manufacturing company under the guidelines of the ITC-UJI and FACSA. In addition, the works have demonstrated the scalability of the project, as well as its potential for replicability in Europe, since these ceramic membranes have been manufactured at a pilot scale in other tile-making countries such as Italy and Turkey, with local wastes. This has contributed to diversification in the ceramic sector, allowing the opening of a new line of business.

On the other hand, wastes from different agro-industrial processes such as those of the tile industry, marble and olive oil production, have been valorised. These have been incorporated into the composition of the REMEB ceramic membranes, contributing to reduce their manufacturing cost and the volume of landfilled wastes.

The most outstanding, encompassing the total of the activities of the project, is that an advanced wastewater treatment system, a new MBR membrane bioreactor, has been developed and validated in a real environment. Although this technology already exists in the market, it has the added value of sustainability and its low cost compared to current systems.

The REMEB MBR has been implemented in the Wastewater Treatment Plant of Aledo, municipality of Murcia with around a thousand inhabitants and dedicated mainly to agriculture. It has been treating wastewater for its reuse in irrigation for the agricultural sector and will help alleviate the ravages of the drought in the region.

The initiative, co-financed by European Union's Horizon 2020 research and innovation programme under grant agreement no. 641998, is composed of 11 international partners: the leader of the project FACSA, the Institute of Ceramic Technology ITC-UJI, the French engineering IMECA PROCESS, the Cypriot environmental consulting company ATLANTIS, the Norwegian engineering BIOWATER, the Valencia Region Council of Chambers of Commerce, the Castellón laboratory of research and environmental projects IPROMA, the Italian ceramics research centre CENTRO CERAMICO, the ceramic research centre from Turkey SAM, the university Universidad Antonio Nariño from Colombia and the Entity for Wastewater Treatment of the Region of Murcia, ESAMUR.

REMEB has the support of the Castellón County Council, echoing the project through the PARTENALIA association, of which it is a member.

More information about the project: www.remeb-h2020.com