

**Date:** November 4, 2021

## **SUSTAINABILITY IN THE CERAMIC SECTOR (Tentative title)**

### **16:00-16:20 Welcoming address and presentation**

- Dr. Jesús Lancis Sáez. Vice-rector for Research and Technology Transfer.
- Dr. Gustavo Mallol. Director of ITC-AICE.
- Representative of the local/regional/national Administration. To be confirmed.
- Dr. Arnaldo Moreno. Chair of the Spain Chapter of the American Ceramic Society.

### **16:20-16:50 Circular Economy and Industrial Symbiosis**

- LIFE EGGSHELLENCE - Industrial symbiosis between egg producers and ceramic companies.
- LIFE REPLAY - Recycling of solid components based on heavy metals and organic effluents for use in the ceramic industry.
- iWAYS - Innovative water recovery solutions through the recycling of heat, materials, and water in multiple sectors.

### **16:50-17:10 Hypocarbonic Industry**

- LIFE HYPOBRICK - Towards a low-carbon economy. Development of fired construction materials from waste.
- DREAM - Design for resource and energy efficiency in ceramic kilns.

### **17:10 – 17:30 New materials and components**

- FORGE - Development of novel, cost-effective coatings for high-energy processing applications.
- REMEB - Eco-friendly ceramic membrane bioreactor (MBR) based on recycled agricultural and industrial waste for the reuse of wastewater.

### **17:30-17:50 Health**

- LIFE NANOHEALTH - Reduced exposure to nanoparticles in industrial workplaces.
- SILIFE - Preparation of quartz powders with reduced toxicity of crystalline silica.

### **17:50- 18:30 Open discussion, wrap-up, and closing.**

Moderator: Dr. Francisco Javier García Ten (ITC-AICE)

Participants:

- Representative of the local/regional/national Administration. To be confirmed.
- Dr. Arnaldo Moreno. Chair of the Spain Chapter of the American Ceramic Society.
- D. José Joaquín Santos (RCS).
- Dra. Irina Celades (ITC-AICE).