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Press release

Centro Ceramico involved in the **Life Cersuds Project, whose main purpose is **to develop a ceramic sustainable urban drainage system for refurbishing urban areas****

- The European Commission has approved the European project LIFE CERSUDS, which seeks to enhance city capability to adapt to climate change and to promote the use of green infrastructures in urban planning by developing and implementing a demonstrator in a town.
- A sustainable urban drainage system (SUDS) with low carbon emissions is involved, aimed at refurbishing urban areas by developing an urban flooring filtration system using in-stock ceramic tile of little commercial value.
- The SUDS can reduce surface run-off water by almost 90%, enabling reuse in irrigation, in addition to decreasing diffuse pollution and improving water quality.

The prime objective of the project LIFE CERSUDS Ceramic Sustainable Urban Drainage System, is to enhance city capability to adapt to climate change and to promote the use of green infrastructures in urban planning by developing and implementing a demonstrator in a town. A sustainable urban drainage system (SUDS) is involved that produces low carbon emissions and refurbishes urban areas.

The SUDS consists of a permeable surface whose skin consists of an innovative system, with a low environmental impact, made using in-stock ceramic tile of little commercial value. The system can reduce surface water run-off by almost 90%, enabling reuse in irrigation, in addition to mitigating diffuse pollution and improving water quality compared to traditional systems. Moreover, the system can achieve pollutant elimination rates of over 70% for hydrocarbons, over 50% for phosphorus, over 65% for nitrogen, and over 60% for heavy metals, as well as substantially reducing CO₂ emissions.

Life Cersuds is coordinated by ITC (Castellón, Spain) and project partners include:

- Universitat Politècnica de València (E)
- the Town Council of Benicàssim (E), the municipality that will house the demonstrator
- Centro Ceramico (I)
- CHM Obras e Infraestructuras, S.A. (E)
- Centro Tecnológico da Cerâmica e do Vidro (P)
- Trencadís de Sempre, S.L. (E)

The project involves also the Municipality of Fiorano Modenese (I), one of the municipalities included in the Ceramic District of the Emilia-Romagna Region, who has expressed its willingness to host a reproduction of the SUDS demonstrator using in-stock ceramic tiles.

The project is scheduled to end in September 2019 and has a total budget of EUR 1,817,972, 60% being funded by the European Commission through the LIFE Environment Policy and Governance programme.