



CE-SPIRE-10-2018

optimisation. iCAREPLAST aims to demonstrate (TRL-7) the whole technology for plastic waste valorisation in a pilot plant able to process >100 kg/h of plastic. Advanced upstream waste sorting, pre-treatment and pyrolysis is strongly backed by previous demonstration activities and knowhow of the consortium, with profound knowledge of waste management and recycling market.

Concept:

iCAREPLAST solution will enforce circular economy by substantially increasing the amount

of recycled plastics to produce commodity products that can be used for virgin-quality polymers production or as raw materials for other processes in petrochemicals, fine chemicals, automotive and detergent/surfactants industries. As a result of its initial exploitation we will treat 250,000t of plastic waste which otherwise would have become landfill, converting it into 1,500t of alkylaromatics and 1,000t of aromatics.

Start date:

15/10/2018

End date:

14/10/2022

---