



High quality methylal from non-recyclable plastic waste

« **LIFE ECOMETHYLAL** »

**PROJECT LOCATION:** Rijeka (Croatia), Castellón & Alicante (Spain).

**BUDGET INFO:**

**Total amount:** 1,719,996 €

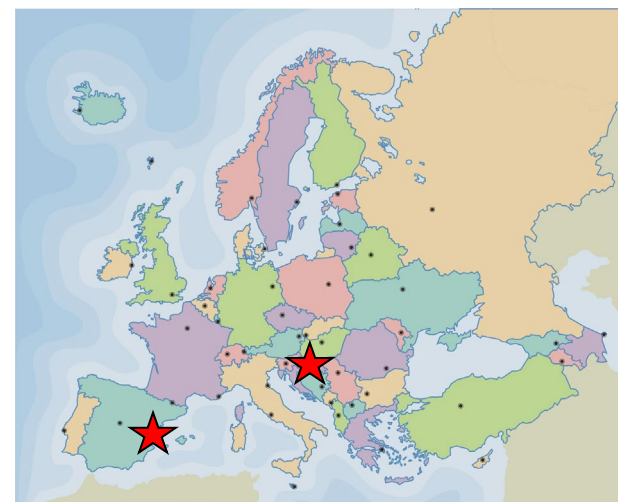
**% EC Co-funding:** 59,98 %

**DURATION:** Start: **01//09/16** -  
End: **31/08/19**

**PROJECT'S IMPLEMENTORS:**

**Coordinating Beneficiary:** AIMPLAS (ES).

**Associated Beneficiary(ies):** ACTECO (ES), AIRESA (ES),  
BPP (ES) and MI-PLAST (HR).





## OBJECTIVES & SCOPE:

LIFE-ECOMETHYLAL aims to implement a highly profitable **technology** to produce **methylal** called Catalytic Hydro-Gasification with Plasma (CHGP) for the **treatment of current non-recyclable plastic waste (NRPW)**: automotive, electric-electronic and packaging, according the waste hierarchy established by the EU policies.

In consequence, the NRPW address to landfill will dramatically be reduced and a new eco-product commercialized (by material recycling).

In comparison to other recovery processes, CHGP is a greater efficiency process (66% higher) and good contaminant removal, due to the fluidized bed and the plasma itself.



## OBJECTIVES & SCOPE:

This pilot plant project is fully aligned to the **LIFE+ Environment and Resource Efficiency** Subprogramme, under the thematic priority for **Waste**.

Therefore, it contributes to the shift towards a resource-efficient, circular economy and specifically, to the plastic waste recovery.

The LIFE ECOMETHYLAL replicability to all EU will contribute to reduce landfill waste in line with H2020 priorities.

A reduction of 114,000 t/a of plastic waste at the fifth year after project end is estimated.

Other objective is the production of industrial quality methylal from NPRW (i.e. 0.8 kg methylal/kg plastic waste). This product replaces the petrol-based solvents, with a great environmental impact reduction.