International Networking Event

Horizon Europe – Missions

ADAPTATION TO CLIMATE CHANGE & CLIMATE -NEUTRAL AND SMART CITIES



Bu proje Avrupa Birliği ve Türkiye Cumhuriyeti tarafından finanse edilmektedir

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- AIMPLAS is a non-profit Research Centre. Technological Institute of Plastics (Spain).
- + 700 associated companies. +200 highly skilled professionals and 30 years expertise
- Technological research and development on thermoplastic and thermosetting materials from TLR3 to TRL8. Synthesis of breakthrough materials from TRL1 to TRL3.
- Since year 2000, AIMPLAS has participated in more than 100 EC funded projects (FP5, FP6, FP7, LIFE+, EcoInnov, EUREKA & H2020), among others, coordinating several of them (~40%).
- AIMPLAS has state-of-the-art 10,000 m<sup>2</sup> facilities, including thermoplastics & thermoset pilot plants, coatings, synthesis, clean rooms and testing laboratories and training areas.









AIMPLAS has a broad expertise in the fields of:

- $\rightarrow$  Recycling
- $\rightarrow$  Plastic blends, new compounds formulations
- → Reactive extrusion, synthesis and processing of biopolymers and renewable source materials
- $\rightarrow$  Special assisted processing technologies (microwaves, supercritical CO<sub>2</sub>)
- $\rightarrow$  CO<sub>2</sub> capture and conversion systems
- $\rightarrow$  Catalyst development
- $\rightarrow$  Plastronics
- $\rightarrow$  Materials & technologies for additive Manufacturing
- $\rightarrow$  High performance coatings
- $\rightarrow$  Polymer nanocomposites, functionalization of nanoparticles,
- $\rightarrow$  Multilayer structures
- $\rightarrow$  Development of plastic products

Production Production and/or Recovery and/or commercialization of Manufacturing End of plastic semi-manufactured distribution / Processing users of plastic raw materials raw materials "COMPOUNDING"







## Description of your research interest **O** AIMPLAS









## **Project Topics interests**

RESEARCH AND INNOVATION ACTIONS TO SUPPORT THE IMPLEMENTATION OF THE CLIMATE-NEUTRAL AND SMART CITIES MISSION

HORIZON-MISS-2021-CIT-02-01: Urban planning and design for just, sustainable, resilient and climate-neutral cities by 2030

HORIZON-MISS-2021-CIT-02-02: Unleashing the innovation potential of public transport as backbone of urban mobility

HORIZON-MISS-2022-CIT-01-01: Designing inclusive, safe, affordable and sustainable urban mobility

HIGHLY ENERGY-EFFICIENT AND CLIMATE NEUTRAL EU BUILDING STOCK (CLUSTER 5) HORIZON-CL5-2022-D4-01-01: Demand response in energy-efficient residential buildings

HORIZON-CL5-2022-D4-01-03: Smarter buildings for better energy performance HORIZON-CL5-2022-D4-02-01: Designs, materials and solutions to improve resilience, preparedness & responsiveness of the built environment for climate adaptation (Built4People)









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