SusPlast

SusPlast proposes an ambitious synergistic cross-sectorial approach that involves materials science and biotechnology in a joint action for the exploitation of new technologies and strategies to address the global challenge of SUSTAINABLE PLASTICS TOWARDS A CIRCULAR ECONOMY.

SusPlast counts with the participation of 39 research groups from 20 different CSIC institutes or centers:

Margarita Salas · ICTP · iata Instituto de Agroquímica y Tecnología de Alimentos · icb Instituto de Carboquímica · CNB Centro Nacional de Biotecnología · ICP · CENIM Centro Nacional de Investigaciones Metalúrgicas · eez · CIAL · idaea · INCAR · ITQ Instituto de Tecnología Química · Psysbio · icmm · IHSM · INIA Instituto Nacional de Investigación y Tecnología Agraria y Alimentaria · icms.us-csic.es Instituto de Ciencia de Materiales de Sevilla · ICMAB Institut de Ciència de Materials de Barcelona · IEM · Institut de Ciències del Mar

Financiado por la Unión Europea
NextGenerationEU

Plan de Recuperación, Transformación y Resiliencia

CONTACT US

pti-susplast.csic.es

SUSPLAST

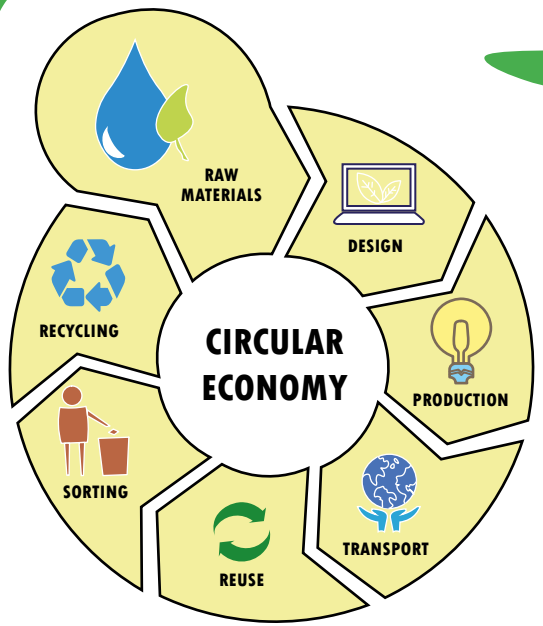
SusPlast | INTERDISCIPLINARY PLATFORM FOR SUSTAINABLE PLASTICS TOWARDS A CIRCULAR ECONOMY

MINISTERIO DE CIENCIA E INNOVACIÓN

PTI SUSPLAST CSIC Consejo Superior de Investigaciones Científicas

CSIC
Consejo Superior de Investigaciones Científicas

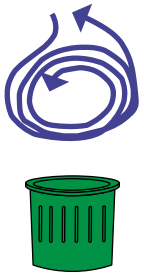
CHALLENGE:



To transform the way plastics are designed, produced, used and recycled to drive towards a circular economy.

LINEAR ECONOMY

CIRCULAR ECONOMY



MISSION

To develop research and innovation activities, including socio-educational strategies, aimed at plastics production and recycling, via mechanical, chemical and biotechnological strategies to meet the necessary requirements for the implementation of plastics management based on a circular economy.

PARTNERS´EXPERTISES

SusPlast is a multidisciplinary platform integrated by CSIC experts in marine ecology, polymer chemistry, materials science, biotechnology, recycling and waste management in direct contact with stakeholders from the entire value chain of the plastics industry.

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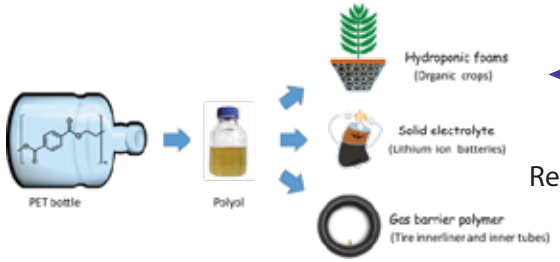
MAIN OBJECTIVES

SUSPLAST

Human health & Environment

Effects of plastics pollution on the environment
Effects of plastics pollution on human health

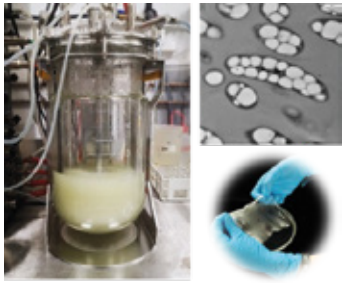
Chemical approaches



Recyclable bioplastics from natural polymers
Recyclable plastics by chemical design

Biotechnological approaches

Enzyme & microbial biocatalysts for sustainable plastics
Waste valorization for production of plastic monomers and polymers



Regulation & Certification

Certification of improved packaging with reduced environmental impact