



Plastic Waste Recycling and Revalorization

VALUE ADDED OF PLASTIC WASTE FROM 3D PRINTING AND POST-CONSUMER

KEY WORDS

3D PRINTING,
PLASTIC WASTE,
RECYCLING

DESCRIPTION

The Green FabLab concept is rooted in the convergence of 3D printing, open innovation spaces, and growing environmental awareness. It promotes local recycling value chains and a distributed approach to reusing plastics. It integrates recycled materials into collaborative spaces, transforming waste into new raw materials under the principles of the circular and collaborative economy.

POTENTIAL BENEFITS OR IMPACTS

Environmental impacts reduction through the promotion of the local circular economy.

Scientific and technological benefits, since Green functions as a platform for experimentation and innovation.

Social and educational impacts: training, awareness and promotion of inclusion.

TECHNOLOGY MATURITY LEVEL (TRL)

TRL 4: laboratory validation

AREA OF APPLICATION

Plastics

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