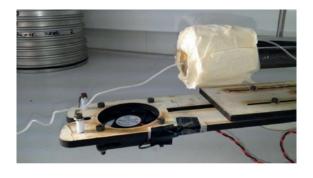
LABORATORY FOR RECYCLING AND VALORISATION OF WASTE PLASTICS THROUGH EXTRUSION AND 3D PRINTING

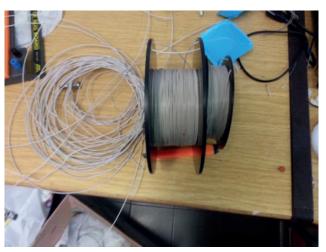
Innovations and Benefits - Wire extrusion of plastics from styrene-based electrical and electronic waste (ABS, PS, SAN) and polyamides (PA6 and PA66). 3D printing of the extruded wire. Search for a product from recycled plastic with high added value that allows to raise the market price from \sim € 1 · kg⁻¹ to € 20 kg⁻¹

Use - Prototyping of objects designed with industrial design techniques.

Applications and ongoing Activities -

Assessment of the extrudability and printability of two-component mixtures from plastics from electrical and electronic waste.





		RESEARCH TO PROVE FEASIBILITY			TECHNOLOGY DEMONSTRATION		SYSTEM TEST, LAUNCH & OPERATIONS	
BASIC TECHNOLOGY RESEARCH T		TECHN	HNOLOGY DEVELOPMENT		SYSTEM/SUBSYSTEM DEVE		LOPMENT	
TRL 1 TR	RL 2 TF	RL 3	TRL 4	TRL 5	TRL 6	TRL 7	TRL 8	TRL 9

Department for sustainability

