



LECCE, Italy  
Castello di Carlo V

APRIL 12, 2022

## **STARTUP 1 – PATENTED SOLUTION FOR INNOVATIVE BIOMASS PRODUCTION**

Category: *Circular Bioeconomy*

Sector: *Sustainable Agriculture*

Innovative Italian startup aimed at revolutionizing the nexus food - feed & bioenergy. It offers a patented, turnkey solution to turn a plot of marginal land in dry and hot regions into a source of biomass with 4X the productivity of Maiz (one of the most productive food - feed energy crops) per hectare of land with 10-20 times less water input.

The startup applied for patents relative to the mechanical harvester that dramatically lowers the biomass costs as well as the post harvest process, including a fermentation process to raise 5X the protein content of the biomass.

Capital seeking: *200k€ (ongoing round) and 1 Mln€ (second round)*

Use of funds: *Capex / Opex financing for technology development*



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## ***STARTUP 2 – INNOVATIVE PROCESS FOR BIOPLASTICS FROM RESIDUAL BIOMASSES***

Category: *Circular Bioeconomy*

Sector: *Bioplastics*

Development of technologies and bio-processes for the production of base, speciality and consumer chemicals by bio-conversion or fermentation as well as the production and marketing of these products and their derivatives. The startup is the owner of the patent concerning an innovative bioprocess of polylactic acid (PLA) production and aims at supporting the transition from linear economy to circular economy for the sustainable production of bulk and fine chemicals.



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### **STARTUP 3 – *GARMENTS FOR SUSTAINABLE FASHION***

Category: *Circular Bioeconomy*

Sector: *Textiles & Sustainable Fashion*

Natural sweater made of 100% pure organic wool and colored using an innovative dyeing process without any chemical product that uses over 200 natural ingredients. Plastic-free packaging, organic cotton labels, garments recycled up to 80%. Made in Italy with style and perspective.

Capital seeking: *200k€*

Use of funds: *Marketing, R&D*



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## STARTUP 4 – *BIO-BASED AND BIODEGRADABLE POLYMERS FOR THE COSMETIC SECTOR*

Category: *Circular Bioeconomy*

Sector: *Textiles & Sustainable Fashion*

Startups #4 increases the sustainability of the cosmetic sector through the development of bio-based, biodegradable and circular polymers used as raw material in different formulation. The products are novel polymeric compounds that are not present in the market. The polymers are specifically aliphatic polyesters which can substitute other polyolefins which are not biodegradable. They are derived from waste materials and they show high versatility.

Capital seeking: 600k€

Use of funds: *Go-to-market strategy*



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## **STARTUP 5 – *POLYPHENOLS AND HIGH VALUE ACTIVES FROM EVO INDUSTRIAL WASTE***

Category: *Circular Bioeconomy*

Sector: *Cosmetic*

Innovative SME that developed a circular economy project with the aim to recover 100% of olive oil wastewaters. Together with compost and pure water, the process extracts natural active ingredients, a polyphenol mixture. The proprietary and patented process use exclusively mechanical and physical technologies, without the use of chemical processes and solvents. The products obtained are used in the nutraceutical, cosmetic, pharmaceutical, food and phytosanitary industries.

Capital seeking: *1M€*

Use of funds: *Plant scale up*



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## **STARTUP 6 – MYCELIUM-BASED TECHNOLOGIES FOR HIGH PERFORMANCE MATERIALS**

Category: *Circular Bioeconomy*

Sector: *Materials & Design*

A vision of interior design that embraces Nature's radical character, to establish a more honest relationship with the surrounding environment. This vision is embedded in the products designed by Startup6, crafted with the lowest environmental impact possible, to offer radically innovative experiences.

Capital seeking: *25M€*

Use of funds: *International Scale-up*