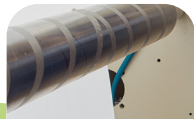


Bio-based solutions



By addressing end-of-life management, reducing carbon footprints, decreasing and optimising input, and preventing soil contamination, SOUL seeks to contribute to a more sustainable and circular economy.



BPS 1 – agriculture
Monolayer ultrathin mulch film



BPSs 2-3 – agriculture
Multilayer black & white mulch film



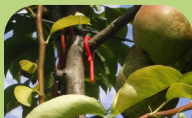
BPS 4 – agriculture
Controlled Release Fertilizers (CRF)- Spray coating



BPS 5 – agriculture
Clips



BPS 6 – agriculture
Twines



BPSs 7-8 – agriculture
Pheromone dispenser



BPS 9 – gardening/ landscaping
Turf nets



BPS 10 – gardening/ landscaping
Three shelter



BPS 11 – leisure/ sports
Infill

Project Partners

 aitiip centro tecnologico	 evoenzyme customized biocatalysts
 ASETAGA	 AIMPLAS PLASTICS TECHNOLOGY CENTRE
 NOVAMONT A Versalis Company	 TENAX
 RE SOIL FOUNDATION Fondazione per la Ricerca e l'Innovazione	 AMORIM CORK COMPOSITES
 SOLH	 SAMCO SYSTEM
 European Bioeconomy Bureau	 iung Institute of Soil Science and Plant Cultivation State Research Institute
 CSIC	 moses
 ALMA MATER STUDIORUM UNIVERSITA DI BOLOGNA DIPARTIMENTO DI SCIENZE E TECNOLOGIE AGRO-ALIMENTARI	 SICOR
 Normec OWS	 BEDOUKIAN Flavor & Fragrance Ingredients Since 1972

SOUL

From the Earth, for the Earth.



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SOUL is an Innovation Action focused on developing Bio-Based and Biodegradable-in-soil (BPSs) solutions for agriculture, gardening, landscaping, fisheries, leisure, and sport. The 11 BPSs are biodegradable in soil and compatible with various end-of-life scenarios, including composting, reuse and recycling for products not intended to remain in soil after their use.

The solutions developed by SOUL will be validated in 5 demo sites representing different climatic conditions and sectors of application, including agriculture, landscaping, and sports.

SOUL BPSs unique characteristics:

RENEWABILITY (>95% RRM)

FLEXIBLE PRODUCTION

IN-FIELD VALIDATION

SAFETY

HIGH REPLICABILITY AND TRANSFERABILITY

Demo Sites Map



Innovation you can track

SOUL will develop a biodegradation prediction tool to provide predictive information about biodegradation in natural and open environments across different EU regions.