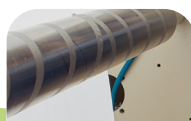


Bio-based solutions

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



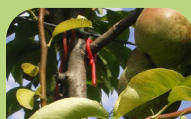
BPS 5 – agriculture

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



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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.