



The Informal Thematic Group SOIL (ITG SOIL) deals with the study of the soil ecosystem through physical, biochemical and microbiological analyses, land planning and management, sustainability studies and analyses of biomasses from recycling and valorization of agro-industrial by-products, and organic fertilizers in order to ensure the preservation and the enhancement of agricultural and forest soils and the sustainability of the soil resource in the agricultural and environmental product supply chain, and agroecological strategies development.

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CONTACTS

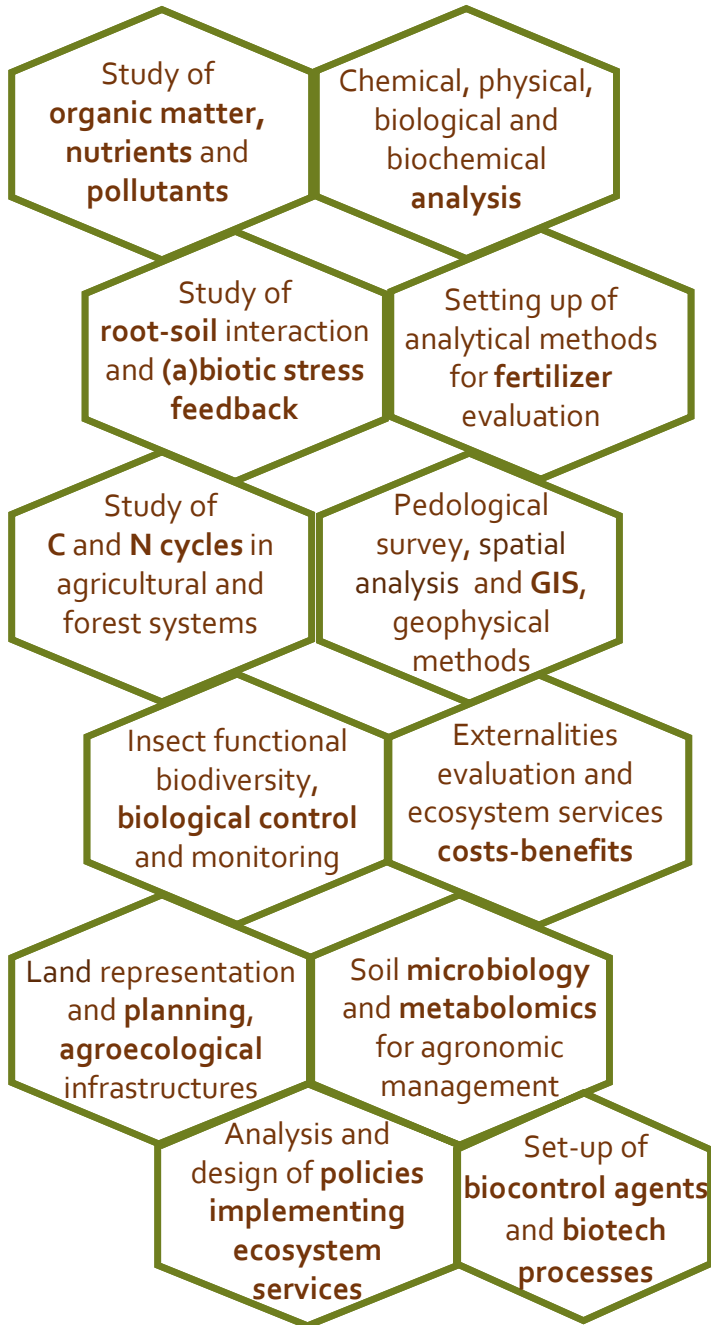
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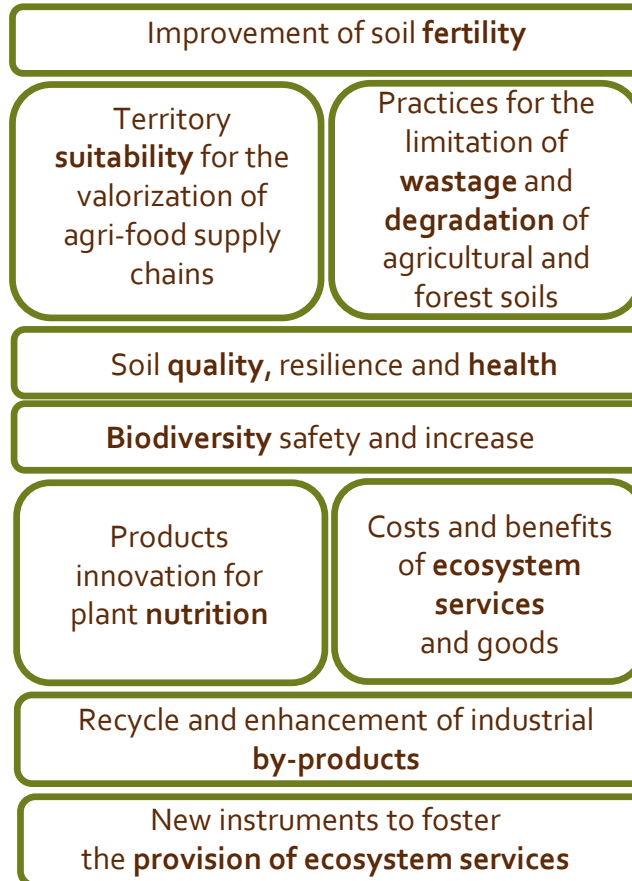


EXPERTISE



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OBJECTIVES



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LABORATORIES

CN elemental analyzer
Mass spectrometer for ¹³C and ¹⁵N

Kjeldahl titrator
ICP – OES plasma

TG-DTA analyzer
Spectrofluorimeter
TOC analyzer



flow autoanalyzer
Microwave digester

Soil texture and retention curve analyzer

Infrared gas analyzer (CO₂, N₂O, CH₄)

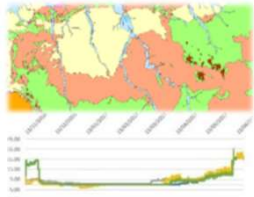
Texture analyzer, freeze-drying for microbial strains
Fluorescence microscopes
Flow cytometer



GC-FID/MS, HPLC-IR/UV/Vis, variable pressure FTIR
Bio-NMR, Electronic nose
Electronic scanning microscope

HPLC, GS-MS, micropropagation lab, living labs: agroecological lighthouses

GIS and spatial analysis, Mathematical models
Econometric analysis

Moreover, for our research we have **climate rooms, greenhouses and (long-term) experimental fields**

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