



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

17/12/2020

Horizon Europe – Mission 5: Soil health and food

SOIL: The vision to a global challenge

SOIL Thematic Group (DISTAL)

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SOIL – DISTAL

<https://distal.unibo.it/it/ricerca/gruppi-di-ricerca/gti-suolo>



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ALMA MATER STUDIORUM UNIVERSITÀ DI BOLOGNA

DIPARTIMENTO DI SCIENZE E TECNOLOGIE AGRO-ALIMENTARI

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GTI Suolo



Progetti

AGRIFORESTER - Linee guida per la gestione sostenibile, la valorizzazione dei servizi ecosistemici e del sequestro di carbonio nel sistema forestale emiliano-romagnolo (PSR Emilia-Romagna 2019-22)

BIOFERTMAT - Utilizzo di matrici da riciclo come fertilizzanti per colture orto-frutticole biologiche. Un approccio per il miglioramento dell'economia circolare del territorio (PSR Veneto 2018-20)

CASTAGNI PARLANTI - Nuove tecniche di monitoraggio del bilancio del carbonio e dello stato di salute del

projects



videos You Tube

flyer & brochure

EXPERTISE

- Study of soil structure and soil water dynamics
- Study of soil biogeochemistry
- Study of soil microclimate
- Study of soil nutrient dynamics
- Study of soil carbon dynamics
- Study of soil nitrogen dynamics
- Study of soil phosphorus dynamics
- Study of soil potassium dynamics
- Study of soil calcium dynamics
- Study of soil magnesium dynamics
- Study of soil sulfur dynamics
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- Study of soil fluorine dynamics
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OBJECTIVES

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LABORATORIES

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UNITS

- Alma Mater Studiorum University of Bologna
- Department of Agricultural and Food Sciences (DISTAL)
- Soil Thematic Group

thematic papers

Soil Thematic Group
2020

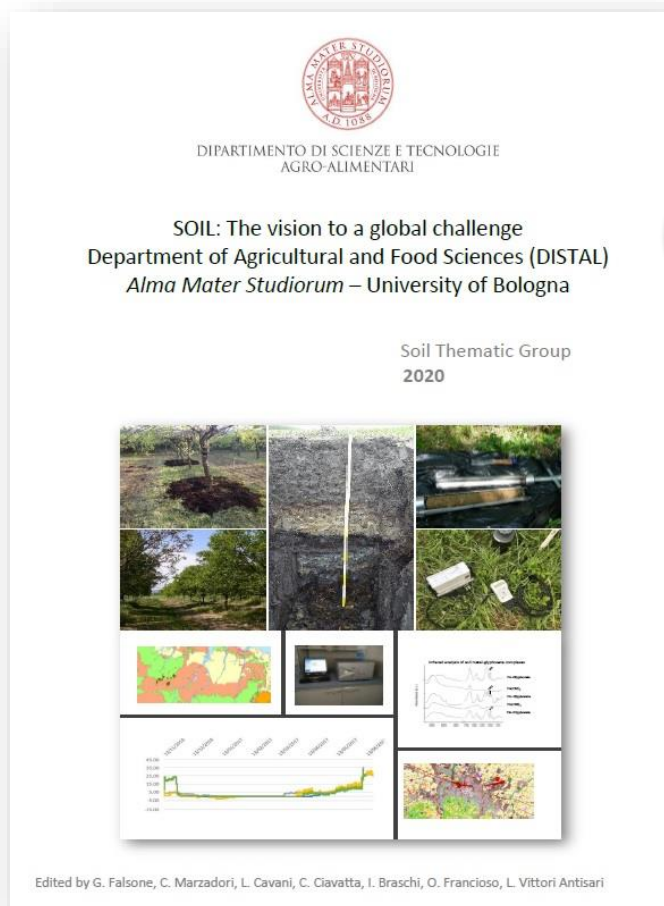
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Alma Mater Studiorum - University of Bologna

SOIL – DISTAL: position paper

The objectives of this document are:

to highlight the contribution of soil in the achievement of sustainable development into the new growth European strategy

to identify the main challenges which we consider crucial for the future growth of Europe and how to address them



<http://amsacta.unibo.it/id/eprint/6447>

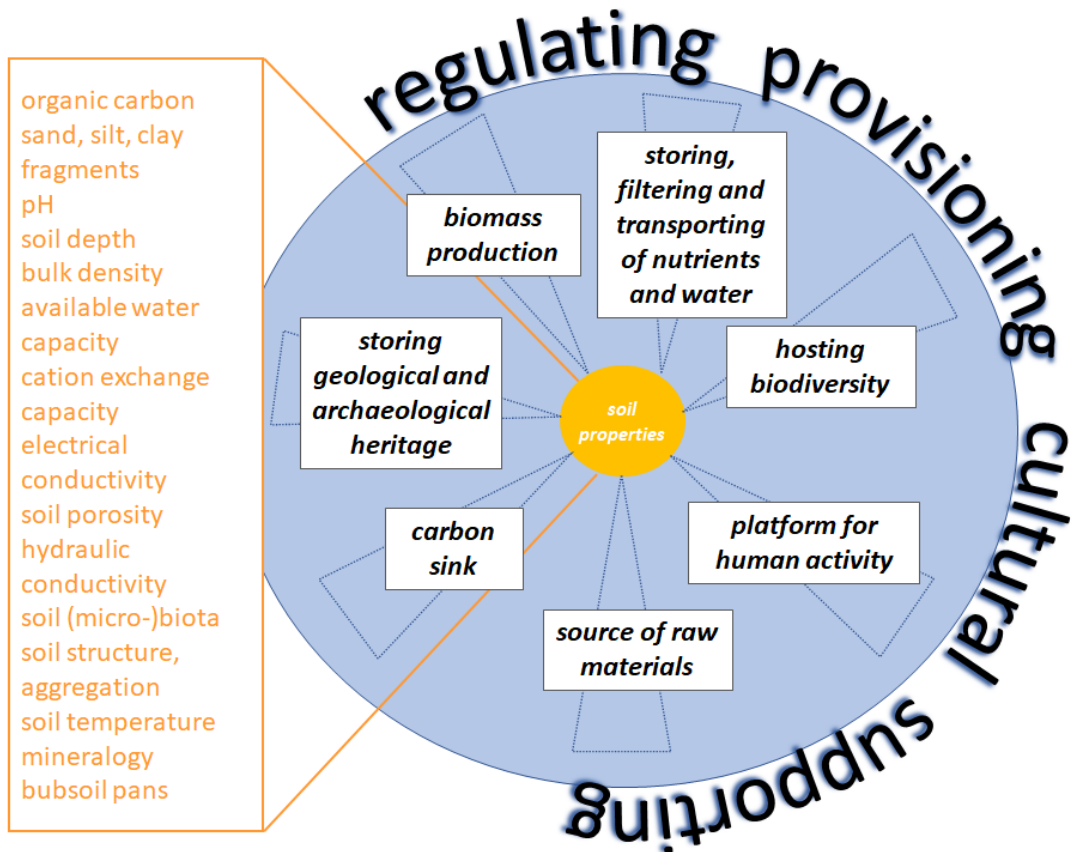


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SOIL – DISTAL: context

«...soil is a **complex system**...»

«..The multitude of soil properties allows the provision of **many important functions**...and the delivery of **ecosystem services**...»



SOIL – DISTAL: key points

-  *The maintenance, or improvement of soil functionality is crucial*
-  *The capacity of soil to provide ecosystem services must be preserved as it is fundamental for socio-economical and environmental issues*
-  *Soil is currently threatened by several degradation processes*
-  *Soil is a not renewable resource*

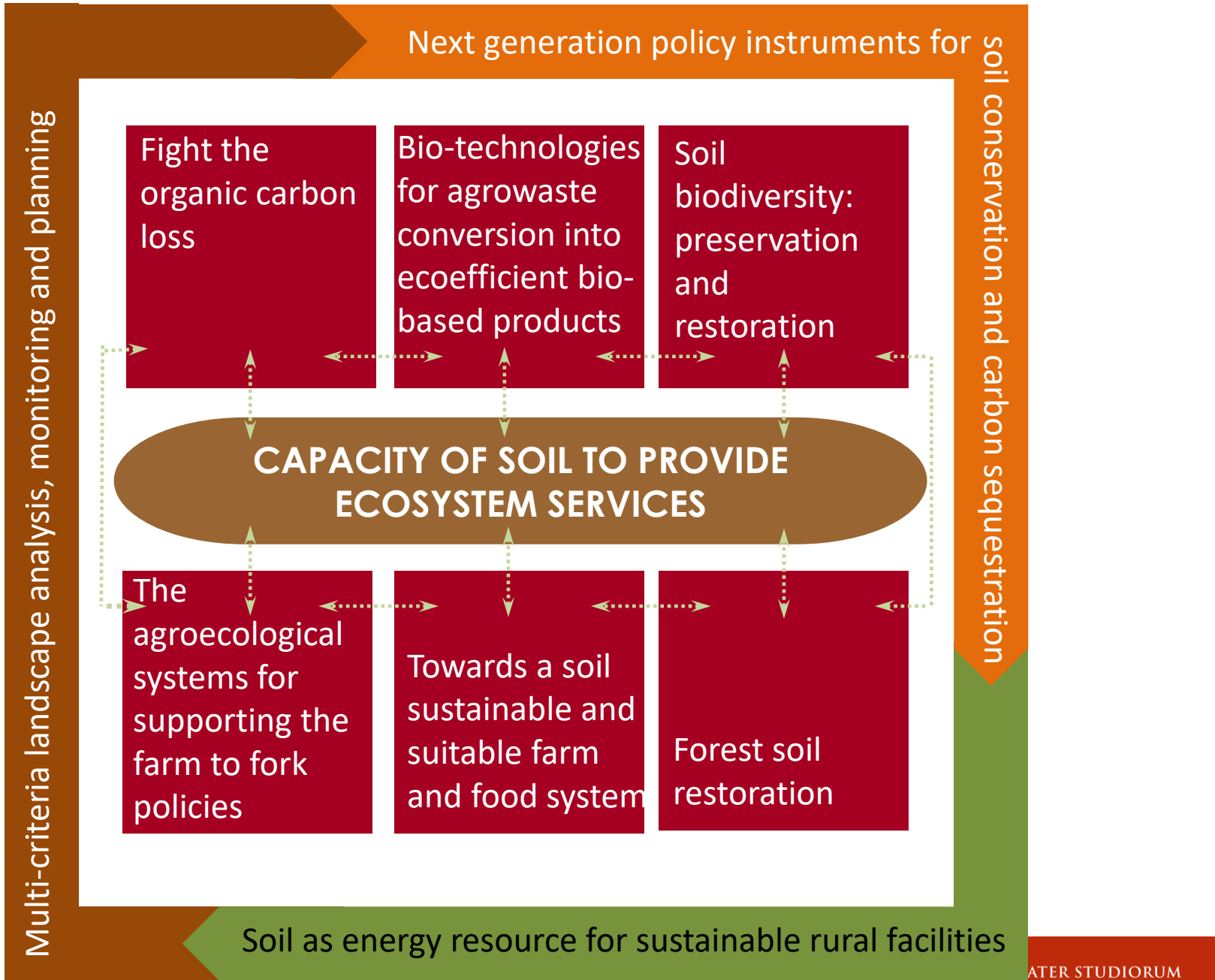


are moderately to highly degraded due to

erosion, salinization, acidification, pollution, compaction, loss of carbon and biodiversity, nutrients imbalance



SOIL – DISTAL: topics





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