

GOALS

Stop further losses of SOC, maintain and increase SOC stocks

Boost soil health

Improve farmers livelihoods and recognize farmers' contributions to a better environment

Enhance food security (increase productivity) and food nutritional value

Build-up systems resilience and adaptation while supporting the provision of ecosystems services: support productivity, nutrient cycling, water quality & availability and preserve biodiversity





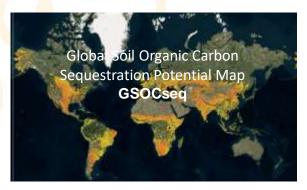
RECSOIL 'toolkit'

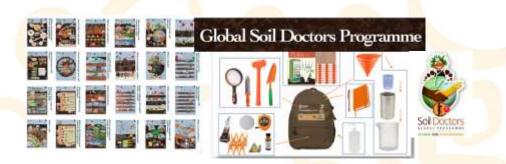
Technical feasibility

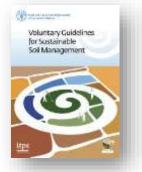
Technical Training and Capacity
Building

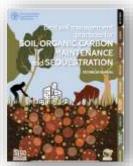
Country-driven global data products

















MRV Protocols





- Project Supervision
- Project co-creation
- Technical support
- Following up the scaling up of RECSOIL

GSP SECRETARIAT



RECSOIL

STAKEHOLDERS AND RESPONSIBILITIES

GOVERNMENTAL

REPRESENTATIVE

- FAO NATIONAL OFFICE
- Project Supervision II
- Project co-creation
- Identification of stakeholders
- Lateral agreements documentation



- NATIONAL
- Project Coordinator
- Decision-making
- Financial administration
 - Project co-creation
 - Soil sampling campaigns
 - Data curator (data collection & QC)
 - Data analysis and Reporting
 - Technical and extension services
 - Coordination of capacity building and KE
 - Project partner
 - Soil lab analysis
 - Lab quality assurance
 - Lab results upload to the RECSOIL database
 - Support data result interpretation

TECHNICAL SUPPORT







'SOIL DOCTORS' & FARMERS

- Project Manager
- Project co-creation
- Identification of stakeholders
- Sustainability
- Co-financing
- Project reporting supervision
 - Project members
 - Project co-creation
 - Farmer's engagement
 - Support to decision-making
 - Material purchase
 - Supervision of field operations

FARMER'S ASSOCIATION

COMMUNITY LEADERS

Pilot Projects: Phase III

Technical training and capacity building

- Farmers (Global Soil Doctor Programme)
- Soil laboratories (through GLOSOLAN)
- National technical support (through GSP) Secretariat)

PHASE III

Identification of

to implement

RECSOIL

Definition of project area and priorities to implement RECSOIL

PHASE II

- Selection of project area and land uses
- Definition of objectives: evaluation of SOC sequestration, addressing of other soil threats
- Identification of national stakeholders and distribution of responsibilities
- Gathering of spatial, management and socioeconomic data of the project area - Metadata
- Stratification of the project area
- Definition of the sampling design and density

Based on the GSOCseq map and country priority countries readiness

Baseline assessment and identification of soil management interventions

Implementation steps of the

RECSOIL

GREEN PATH

- · Baseline assessment through three datasets
- · Identification of soil management interventions

PHASE IV

sequestration and soil health final verification

Soil organic carbon

- · Final assessment of soil health status (4 years after the implementation of SSM practices):
- Final estimation of SOC changes
- Final project report

PHASEV

Implementation of SSM. monitoring, measuring, and reporting

· Implementation of sustainable soil management practices

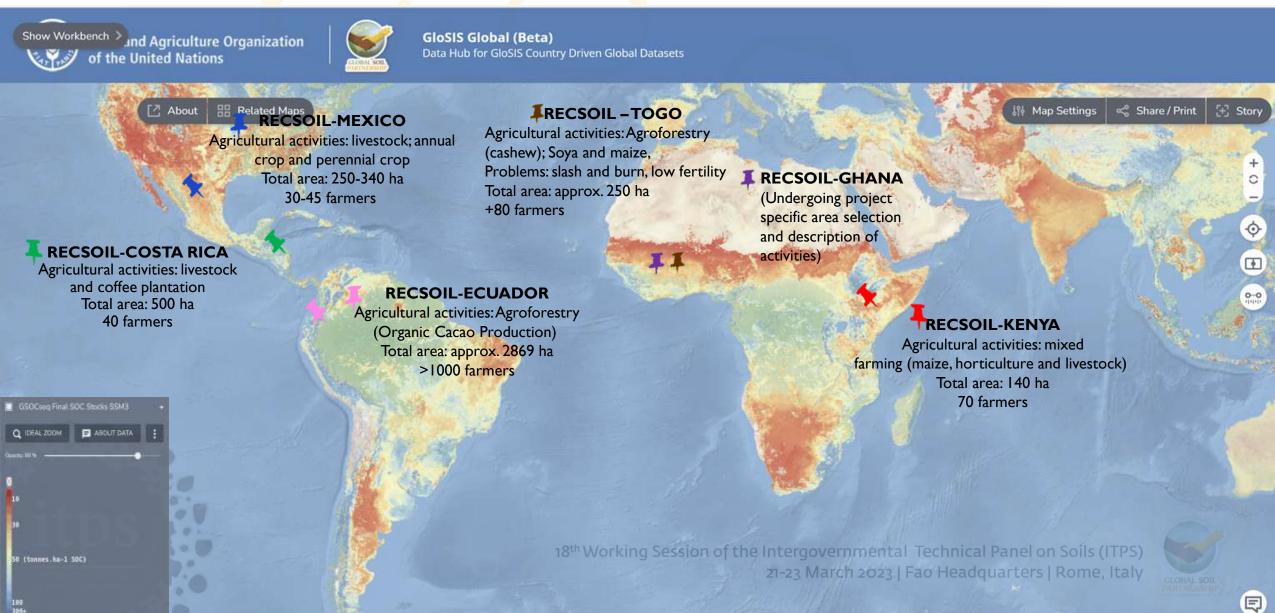
PHASEVI

- Annual monitoring
- · Mid-term reporting

PHASEI

RECSOIL – Green Path

Piloting countries



EX-ACT, SEPAL and RECSOIL



RECSOIL elaborates Soil Organic Carbon stock changes estimations through locally sourced data.



The estimates can be included in the tier 2 section of EX-ACT to refine GHD estimations.



SEPAL provides high granularity data on land cover through spatial analysis.

The information can be used to refine land use categories in EX_ACT during a GHG assessment



EX-ACT, SEPAL and RECSOIL

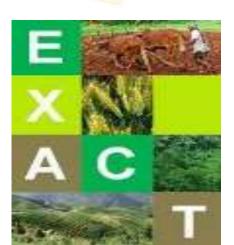


Data to stratify analysis

Data on non spatialized activities



Data on non spatial activities



Overall GHG estimation

Cohange in soils

Refinement on Cohange in soils



18th Working Session of the Intergovernmental Techn<mark>ic</mark>al Panel on Soils (<mark>IT</mark>PS) 21-23 March 2023 | Fao Headquarters | Rome, Italy



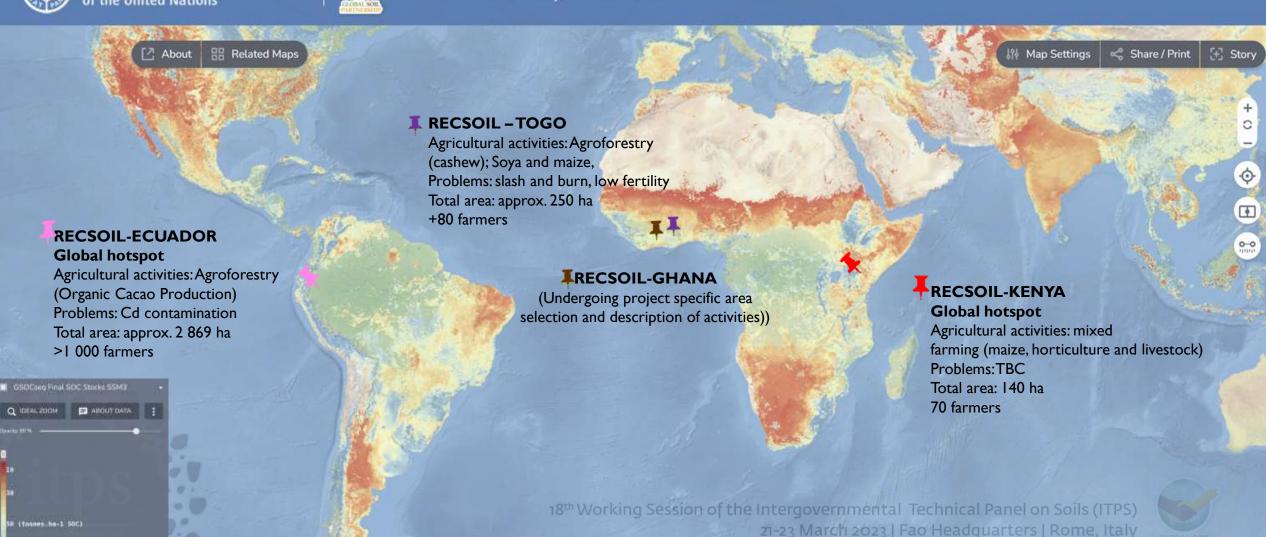
RECSOIL and FFF

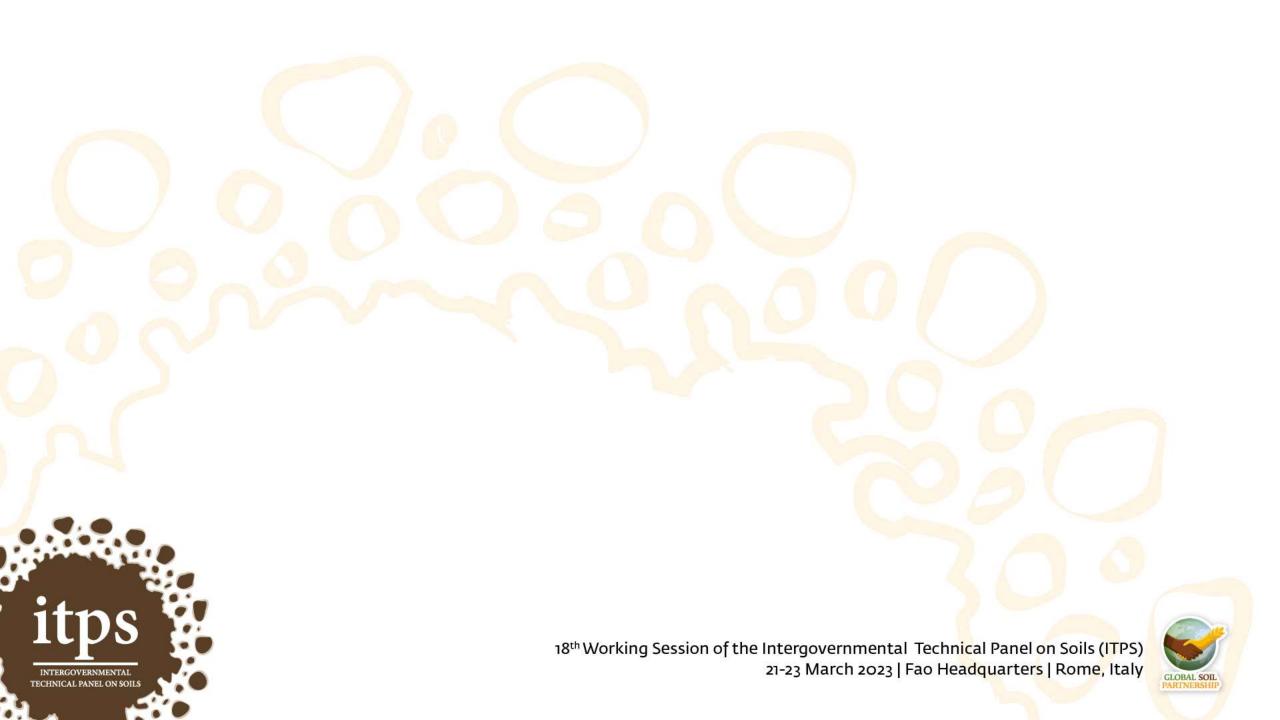




GloSIS Global (Beta)

Data Hub for GloSIS Country Driven Global Datasets





RECSOIL and FFF

RECSOIL-Togo:

- In-person training on data collection and management and Soil Doctors on 20-25 February 2023
- 25 technicians
- Training and procurement for soil laboratory ongoing
- Soil kits sent from FAO HQ

RECSOIL-Ecuador:

- First training on stratification and use of GIS tools on 27 February-3 March 2023
- 20 technicians including FFPO, National Agricultural Research Institute and local universities
- Soil kits will be sent from FAO HQ

RECSOIL-Kenya:

- Collaboration of EX-ACT, SEPAL and RECSOIL tools
- Area of piloting identified and FFPO to implement

RECSOIL-Ghana:

- Establishment of collaborations, and underway is selection of project area(s)



Data harmonization and processing

Most data can be processed in one **spreadsheet** or multiple spreadsheets (eg Microsoft Excel, OpenOffice, LibreOffice, Google Sheets, others).



 EX-ACT & RECSOIL Tools for collective data gathering, and

CSI is developing offline collection platform













