



Food and Agriculture
Organization of the
United Nations

Rafael López

Agriculture, Livestock and Food Ministry-MAGA

SOILFER-Workplan and actions in Guatemala

GLOBAL SOIL PARTNERSHIP

11th Plenary Assembly

12-14 July 2023



Results of the FAO-SOILFER technical mission in Guatemala



Prospecting mission- May 22-26, 2023



Needs Assessment

6 days technical mission, meeting National counterparts, soil laboratories, field trials/stations, private sector

Institutional Setup

Current institutional setup, existing initiatives and projects

Capacity Assessment

Technical, institutional and analytical capacities

Work Plan

Preparation of country work plan for Guatemala

Collaboration

Collaboration with existing initiatives, projects



Results of the prospecting mission- May 22-26, 2023

Institutional barriers and gaps:

Soils in Guatemala



1. Weak national soil data policy.
2. Legal gap and absence of regulatory framework on soils.
3. There is no career with specific professional training in soils.



Results of the prospecting mission- May 22-26, 2023



Institutional barriers and gaps in mapping and soil information systems:

1. Dependence on foreign institutions for soil mapping.
2. Disconnection between initiatives with common goals.
3. Updating of methodologies.

Results of the prospecting mission- May 22-26, 2022



MAPPING – NEEDS AND PRIORITIES



1. Capacity building program for transition from photo interpretation to digital mapping.
2. Technical assistance in:
 - Digital soil mapping.
 - Soil information systems for soil properties.
 - Nutrient decision support systems.
3. High-resolution maps in :
 - Soil nutrients.
 - Soil properties.
 - Soil threats.
4. Open system (virtual library and public access).
5. National harmonized Analytical Database.
 - DIGEGR will work with laboratories to obtain data.
 - SOILFER considers strengthening the technological and computational capacity of DIGEGR to process large amounts of data (analytical and spectroscopic), develop maps, host and deliver original and project-derived data products..

12 actions to strengthen SSM in Guatemala

- 01 Soil Information System of Guatemala
- 02 Strengthening of the AGMS
- 03 Establishment of the Soil Museum of Guatemala
- 04 Establishment of the Guatemalan Soil Laboratory Network (GUASOLAN)
- 05 International soil mapping workshop
- 06 Promote, encourage and implement biological fertilization methods



12 actions to strengthen SSM in Guatemala



07 Evaluation of the quality, safety and efficiency of fertilizers

08 Establishment of a soil moisture monitoring network

09 Multi-level capacity development

10 Strengthening the regulatory framework for the use, import and export of fertilizers

11 Assist the country in the enactment of the National Soil Law

12 Support farmers in soil health (Soil Doctors).

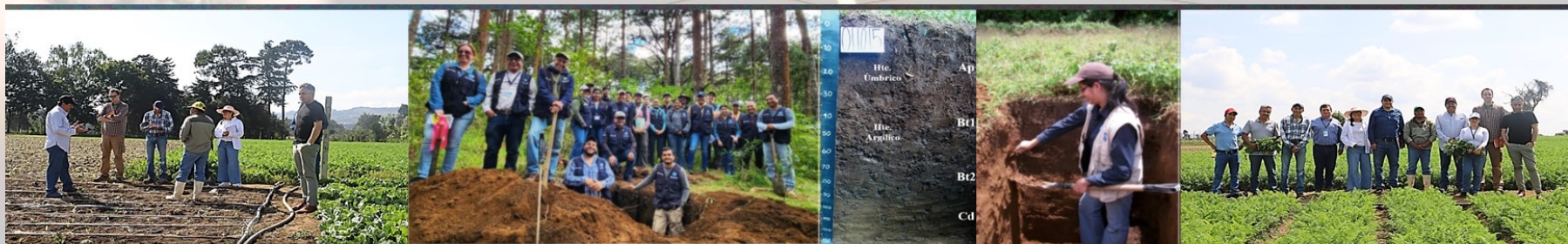


Food and Agriculture
Organization of the
United Nations

GLOBAL SOIL PARTNERSHIP

11th Plenary Assembly

12-14 July 2023



GRACIAS

Dirección de Información Geográfica
Estratégica y Gestión de Riesgos
2413-7000 EXT. 7370
centroiea@maga.gov.gt

