

Food and Agricultur Organization of the United Nations

International Network of Soil Information institutions (INSII)

GLOBAL SOIL PARTNERSHIP 11th Plenary Assembly 12-14 July 2023



Overview

INSII - Soil Information and Data

The Year Behind

GIoSIS

Country Driven Global Maps

SoilSTAT

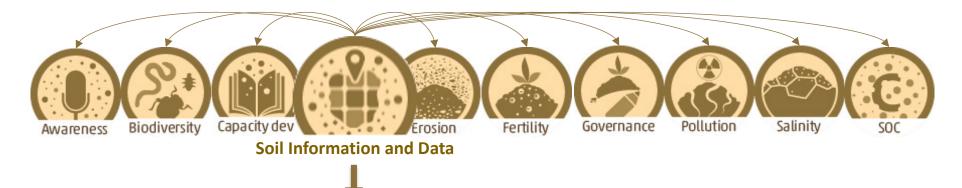
Capacity Development

The Year Ahead

Global symposium '24







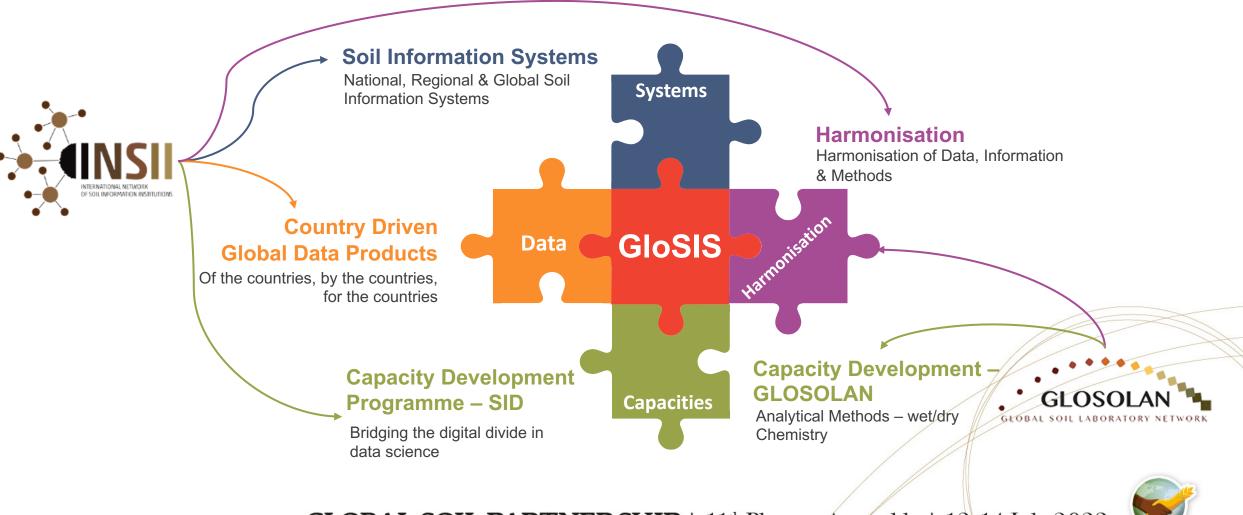
International Network of Soil Information Institutions

- GSPs first technical network, established in 2016
- Implements the activities under the GSP Area of Work: Soil Information and Data
- 122 FAO Member Countries + European Union
- Chaired by Mr Luca Montanarella (EU)
- INSII develops GloSIS, National Soil Information Systems and Country-Driven Global Data Products
- Supported by GSP Secretariat, ITPS, Thematic Working Groups





INSII: Data Driven Policy Making



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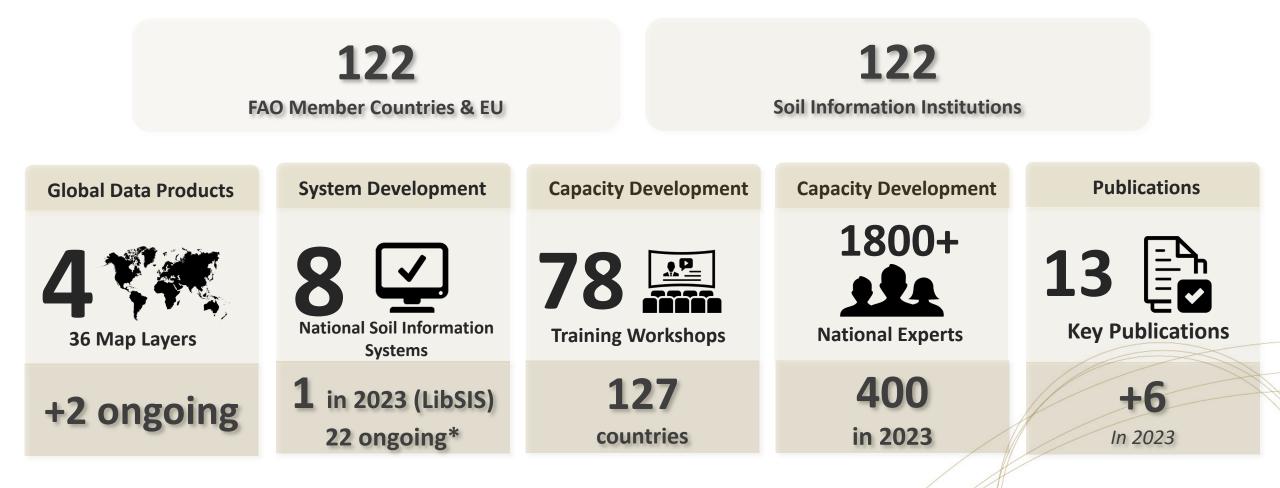
The Year Ahead

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INSII in Numbers - 6 Years



*Caribbean (SoilCARE), Asia (AFACI), Azerbaijan



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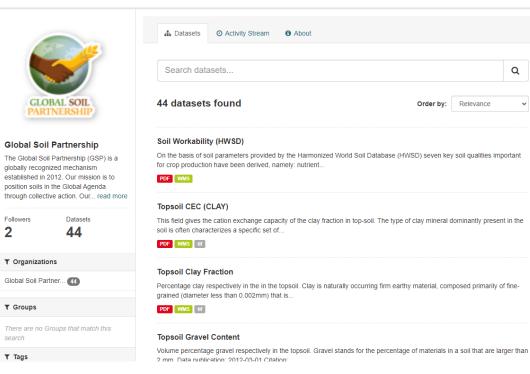
Global Symposium '24





GloSIS Discovery Hub (online)

Organizations / Global Soil Partnership



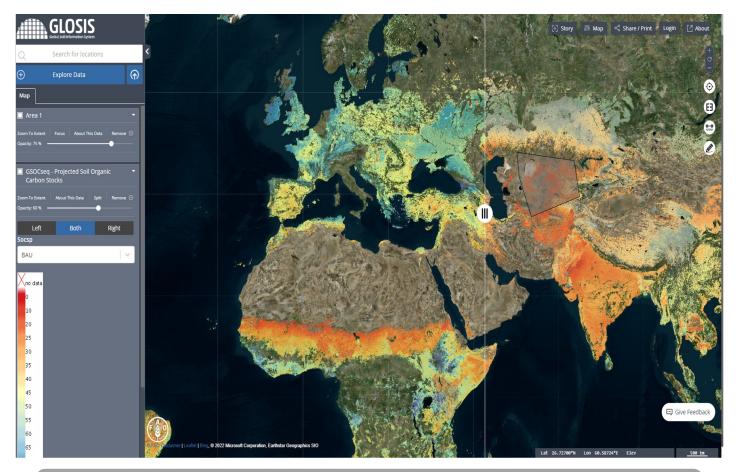
GloSIS Data Catalogue

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- Global Data (Global Maps)
- NSIS will be connected (2023) ٠
- SISLAC will be connected (2023) •



GloSIS Map Service (online)



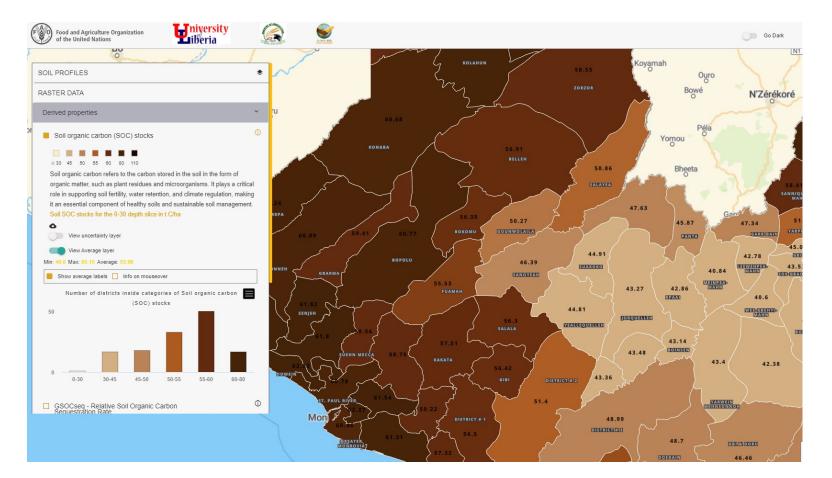
- GloSIS Map Services
- Connected to GloSIS Discovery Hub
- Advance Features
 - Compare, Download, Export, Share, Map Stories

https://data.fao.org/GloSIS/

GLOBAL SOIL PAIGNERSHIP

NEW - Liberian Soil Information System – LibSIS





Result of a TCP Project (to be launched in August 2023)



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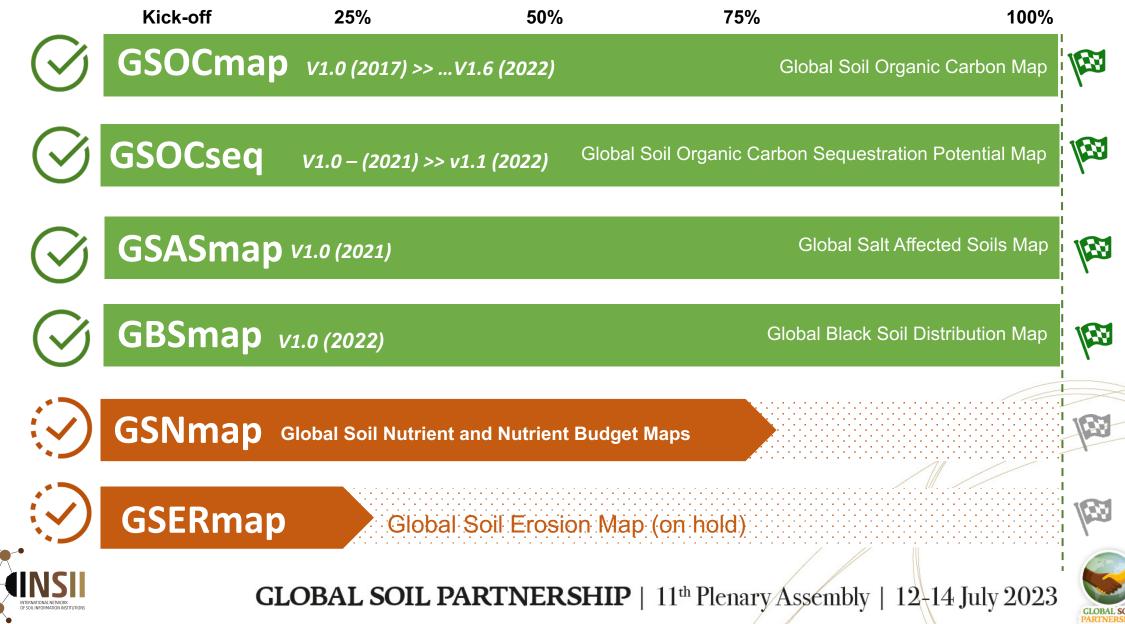
The Year Ahead

Global Symposium '24





of the countries, by the countries, for the countries



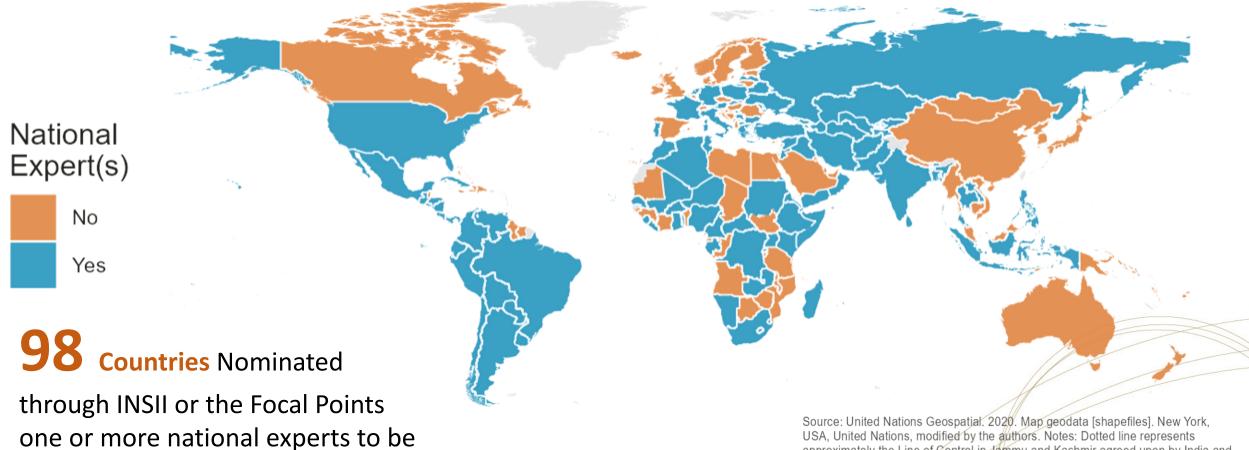




GSNmap

COUNTRY ENGAGEMENT





in charge of the GSNmap exercise.

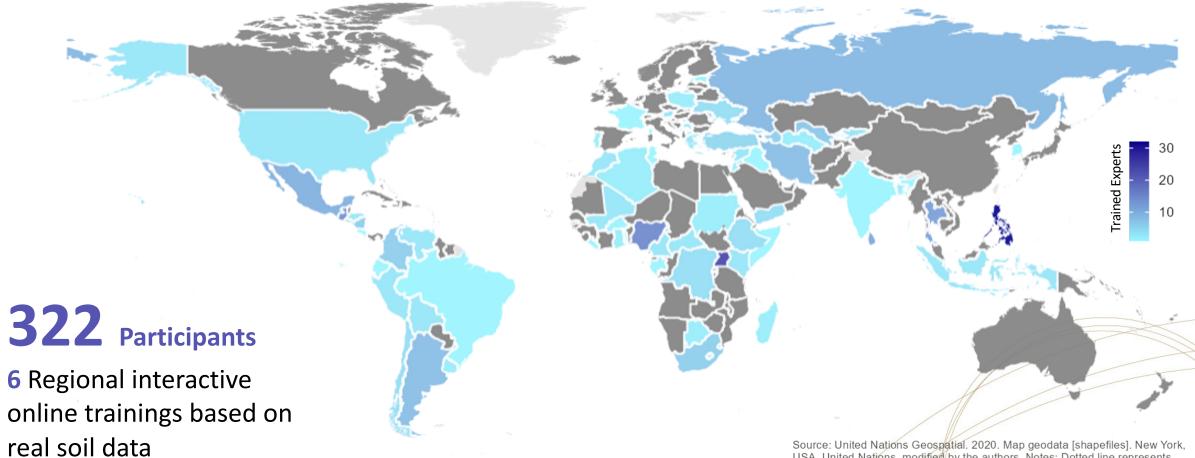
USA, United Nations, modified by the authors. Notes: Dotted line represents approximately the Line of Control in Jammu and Kashmir agreed upon by India and Pakistan. The final status of Jammu and Kashmir has not yet been agreed upon by the parties.



GSNmap

CAPACITY DEVELOPMENT





Source: United Nations Geospatial. 2020. Map geodata [shapefiles]. New York, USA, United Nations, modified by the authors. Notes: Dotted line represents approximately the Line of Control in Jammu and Kashmir agreed upon by India and Pakistan. The final status of Jammu and Kashmir has not yet been agreed upon by the parties.



24 Experts on Soil Nutrition

GSNmap

2 Meetings for discussing methodologies to produce national maps, get insight and recommendations

Source: United Nations Geospatial. 2020. Map geodata [shapefiles]. New York, USA, United Nations, modified by the authors. Notes: Dotted line represents approximately the Line of Control in Jammu and Kashmir agreed upon by India and Pakistan. The final status of Jammu and Kashmir has not yet been agreed upon by the parties.

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1. Opening and Tour de Table	14:00 - 14:15
2. GSNmap: Progress and challenges (15 min)	14:15 - 14:30
3. GSNmap Phase I: top-down gap-filling strategy (15 min)	14:30 - 14:45
Q&A	14:45 - 15:00
4. GSNmap Phase II: mapping soil nutrient budgets (30 min)	15:00 - 15:30
Open discussion	15:30 - 16:00

Agenda

WORKING GROUP

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SoilSTAT

- As stated in the new GSP Action Framework 2022–2030, INSII's role in the development and subsequently monitoring and reporting of key performance indicators will be central.
 - SoilSTAT Soil Health Indicators;
 - Global Soil Health Dashboard;
 - GSP AF Indicator System



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CAPACITY DEVELOPMENT – SOIL INFORMATION and DATA



Capacity Development1800+78+2000-2000-Mational Experts78-National ExpertsTraining Workshops127+ CountriesAll GSP Regions

CLOBAL SOIL PARTNERSHIP

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2023-2024

- 9th INSII Meeting 7-9 November 2023
- GSNmap Phase I 5 December 2023 (World Soil Day)
- GSNmap Phase II (Tier 1) 5 December 2023 (World Soil Day)
- Global Symposium on Soil Information and Data in 2024 (title TBD)
- GloSIS Improvements



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The Plenary Assembly may wish to

invite the International Network of Soil Information Institutions (INSII) to lead the working group for the development of key performance indicator system for the GSP Action Framework 2022-2030 and global soil health index in line with SoilSTAT reporting objectives and consider approval of the document prepared by the working group at the 9th session of the INSII in November 2023;



The Plenary Assembly may wish to

invite FAO Members to establish national soil information systems in accordance with INSII guidelines and with the support of the GSP Secretariat;

invite INSII members to nominate national experts for the GSNmap initiative;

welcome and *acknowledge* the progress of the capacity development programme aimed at empowering countries in digital soil mapping and soil data management.





GLOBAL SOIL PARTNERSHIP 11th Plenary Assembly

12-14 July 2023

Thank You ☺ -on behalf of-

ISAF Working Group ITPS (Intergovernmental Technical Panel on Soils) 7 GSP Technical Networks 7 Regional Soil Partnerships

