

# **GLOBAL SOIL PARTNERSHIP** 10<sup>th</sup> Plenary Assembly

Birthday

2012-2022

**23-25** May 2022

VIRTUAL MEETING

### Soil Information & Data International Network of Soil Information Institutions (INSII)

Luca Montanarella (Chairperson) | Yusuf Yigini (GSP Secretariat)







# **OVERVIEW**

- At a Glance: 2021-2022
- GSP Action Framework & INSII
- GloSIS
- Global Data Products
- Capacity Building
- SoilSTAT
- The Year Ahead: 2022-2023

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Overview

At a Glance Action Framework

Capacity Building

SoilSTAT

2022 - 2023



### International Network of Soil Information Institutions

• GSPs first technical network, established in 2016

soil informatio,

- Implements the activities under the GSP Area of Work: Soil Information and Data
- **120** FAO Member Countries + European Union (JRC)
- INSII develops GloSIS, National Soil Information Systems and Data Products
- Supported by the GSP Secretariat, ITPS, Thematic Working Groups
- Chaired by Mr Luca Montanarella

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Overview

At a Glance Action Framework

OF SOIL INFORMATION INSTITUTION

GloSIS

Data Products Ca

**Capacity Building** 

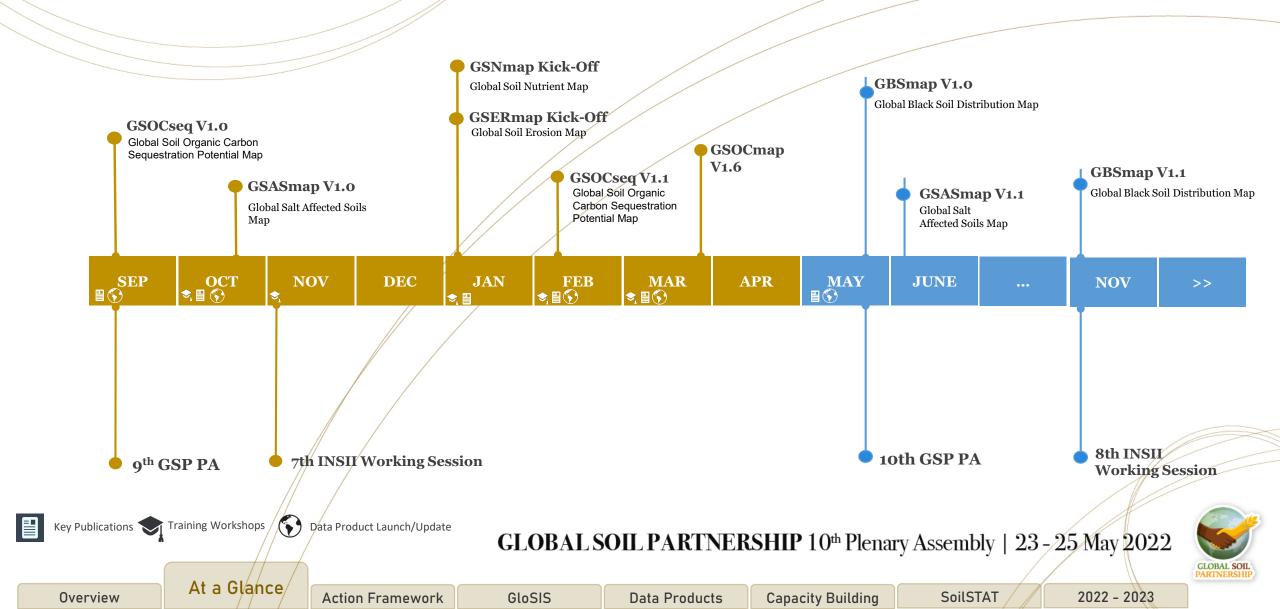
2022 - 2023







## The Year At a Glance: 2021-2022



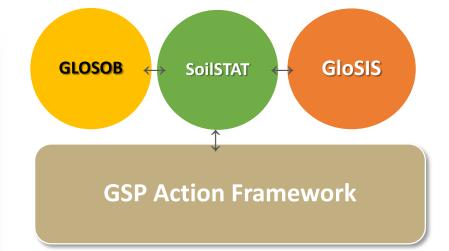


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# GSP New Action Framework & INSII

### The new GSP Action Framework | **Endorsed** (GSPPA X/2022/2)

"The Global Soil Information System (**GloSIS**), and the Global Soil Biodiversity Observatory (**GLOSOB**) will be the main global data platforms to **provide soil data and statistics** for data driven indicators , whereas **SoilSTAT** provides official national soil statistics for agreed indicators, following existing UN standards. These statistics are derived from indicators provided by GloSIS and GLOSOB. "





SoilSTAT





Overview

At a Glance / Framework

Action

GloSIS

Data Products Capaci

Capacity Building

2022 - 2023

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## GloSIS – Global Soil Information System

- GloSIS will play an central role in the implementation of the new GSP Action Framework
- The GloSIS development will continue;
  - GloSIS Discovery Hub (GloSIS DH)
  - National Soil Information System Development Kit (CountrySIS Guidelines, Software)
- NSIS  $\leftrightarrow$  GloSIS  $\leftrightarrow$  GLOSOB  $\leftrightarrow$  SoilSTAT  $\leftrightarrow$  SolaWISE (by FAO NSL)

At a Glance

GloSIS

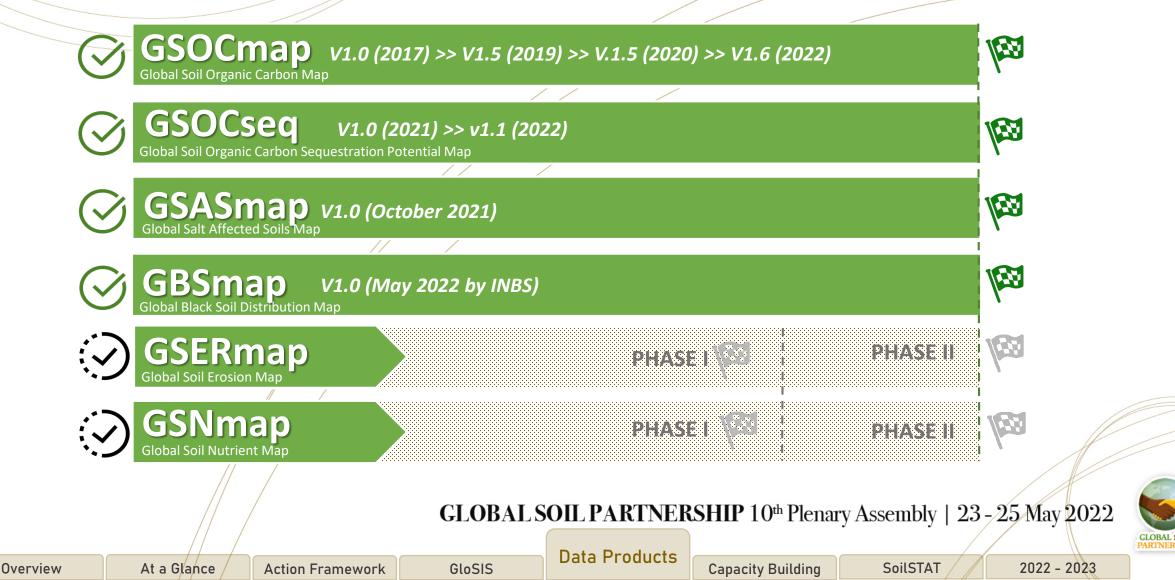
Data Products

Capacity Building



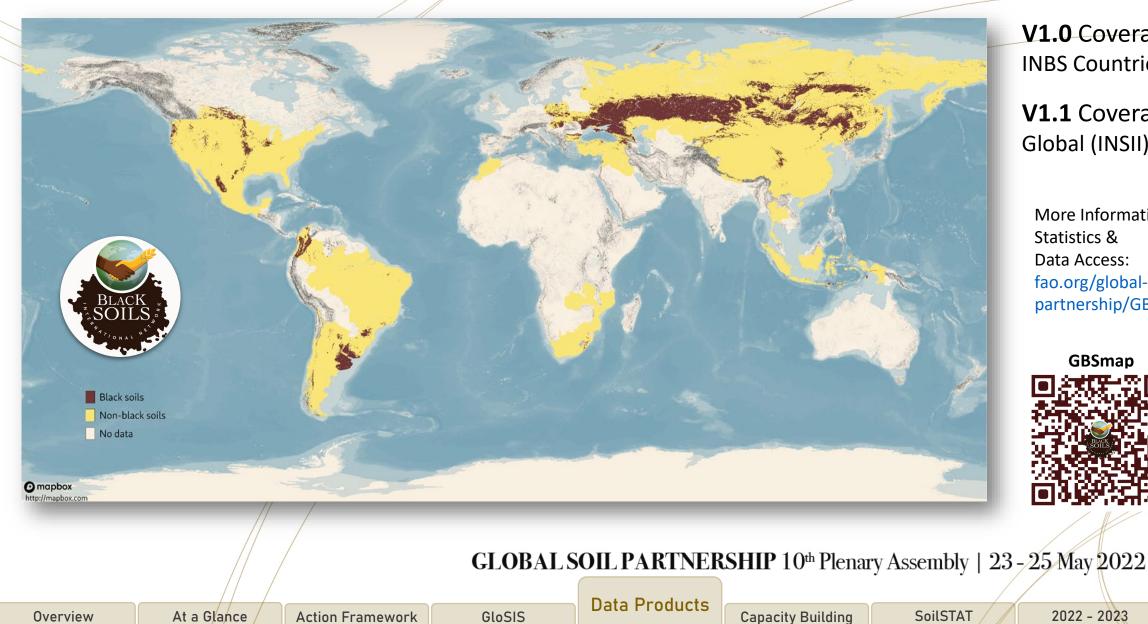
### **GloSIS: Country-driven Global Data Products**

### Of the countries, by the countries, for the countries!





### Global Black Soil Distribution Map v.1.0 (INBS)



V1.0 Coverage: **INBS** Countries (32)

V1.1 Coverage: Global (INSII) - soon

More Information, Statistics & Data Access: fao.org/global-soilpartnership/GBSmap/



2022 - 2023





## Capacity Development

- Driver of success of INSII
- Key process element and *a must* for all global data products
- Bridge the gap between Data and Policy at all scales
- Key for data driven policy making

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# Capacity Development



#### **Capacity Development**

1200+ 114

60+

**National Experts** 

**Training Workshops** 

140+ 0 All GSI

140+ Countries All GSP Regions

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Overview

At a Glance Action Framework

GloSIS

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Capacity Building

SoilSTAT

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6+ Hours

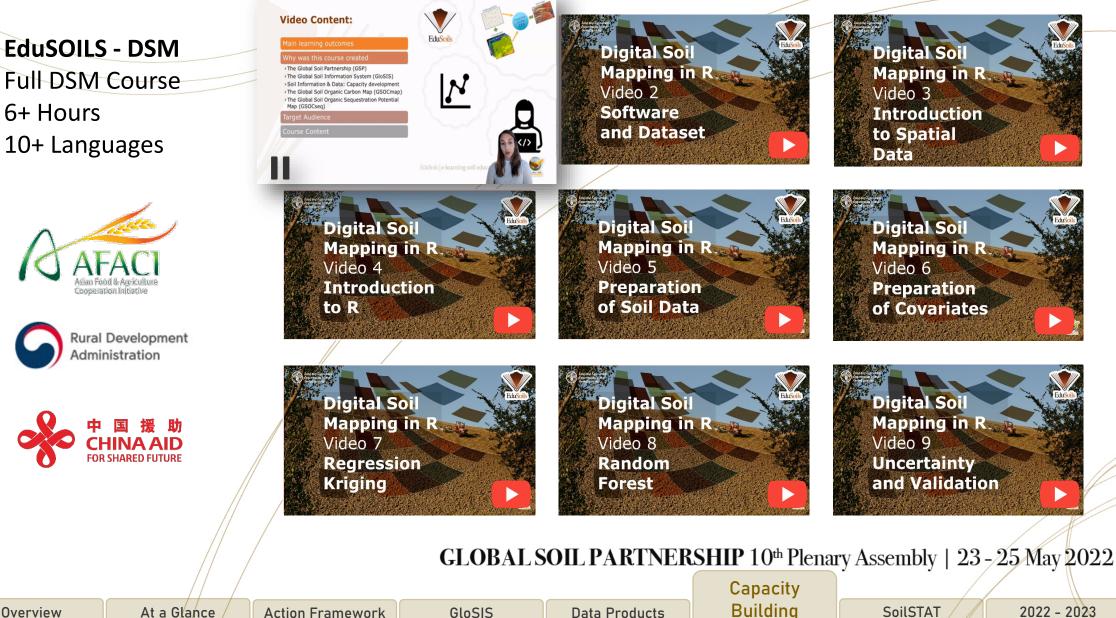
**Overview** 

Food and Agriculture **Organization of the** United Nations

## EduSOILS Video Courses - Soon

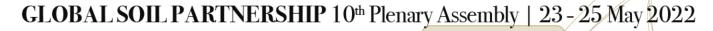
**GLOBAL SOII** 

PARTNERSI





- SoilSTAT Working Group to be established (INSII, ITPS, Topical Experts)
- The SoilSTAT Implementation Plan to be revisited/updated (Indicator System)
- Indicator Factsheets (SoilSTAT Indicators + Action Framework Indicators)





2022 - 2023

Capacity Building

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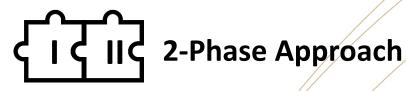
#### Food and Agriculture Organization of the United Nations The year ahead: Country Driven Data Products

**Global Soil Erosion Map** 

• GSERmap Working Group (GSERmap WG)

GSERmap

 GSERmap Country Guidelines and Technical Specifications (INSII Endorsement)

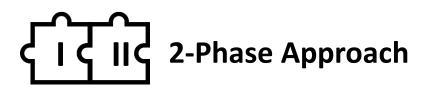


- **PHASE I** National Soil Erosion Factor Databases/Data Repositories (2022)
- PHASE II National Soil Erosion Modelling (2023)



Global Soil Nutrient & Nutrient Budget Maps

- GSNmap Working Group (GSNmap WG)
- GSNmap Concept Note (INSII Endorsement)



- PHASE I Individual nutrient maps (macro, micro nutrients, associated factors) (2022)
- PHASE II Nutrient Budgets (2023)





# The year ahead: Key Events & Trainings



- Global Symposium: Soils for Nutrition (July 2022)
- 8th INSII Working Session (November 2022)
- GSERmap Capacity Development Programme (September 2022 onwards)
- **GSNmap Capacity Development Programme** (September 2022 onwards)
- GSOCseq, GSOCmap, GSASmap, GBSmap Technical Support (ongoing...)

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2022 - 2023 >



## **Action Items**

#### Suggested actions by the GSP Plenary Assembly

The Plenary Assembly may wish to:

#### International Network of Soil Information Institutions (INSII)

- welcome the efforts made by INSII to produce soil maps following a country-driven approach and capacity development to build a robust Global Soil Information System;
- recognize the efforts made by INSII for the development and launch of the Global Soil Organic Carbon Sequestration Potential Map (GSOCseq), Global Salt Affected Soils Map (GSASmap) and Global Black Soil Distribution Map (GBSmap); update of the Global Soil Organic Carbon Map (GSOCmap) and *recognise* the efforts made to date for the Global Soil Erosion Map (GSERmap), and Global Soil Nutrients Map (GSNmap) and encourage countries to prepare national datasets as per the technical specifications endorsed by INSII;
- invite countries to establish national soil information systems country-driven global data products on soil threats and basic soil properties, as per INSII guidelines and with the GSP Secretariat support; and
- ➢ further invite resource partners to support the establishment of GloSIS and SoilSTAT.

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2022 - 2023 >



Capacity Building





Luca Montanarella INSII Chairperson

**SID Team - GSP Secretariat** 

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Isabel



Christian





Yusuf



Thank You..

#### 120+ Soil Information Institutions Thematic Working Groups



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