



Food and Agriculture
Organization of the
United Nations

GLOBAL SOIL PARTNERSHIP

12th Plenary Assembly

03-05 June 2024

INTERNATIONAL NETWORK OF SOIL INFORMATION INSTITUTIONS (INSII)

Luis Rodríguez-Lado, GSP Secretariat



INSII - International Network of Soil Information Institutions

GSP's First Technical Network

- Formalized in 2016
- Development of the Global Soil Information System – GloSIS and Soil Data Products

Membership and Leadership

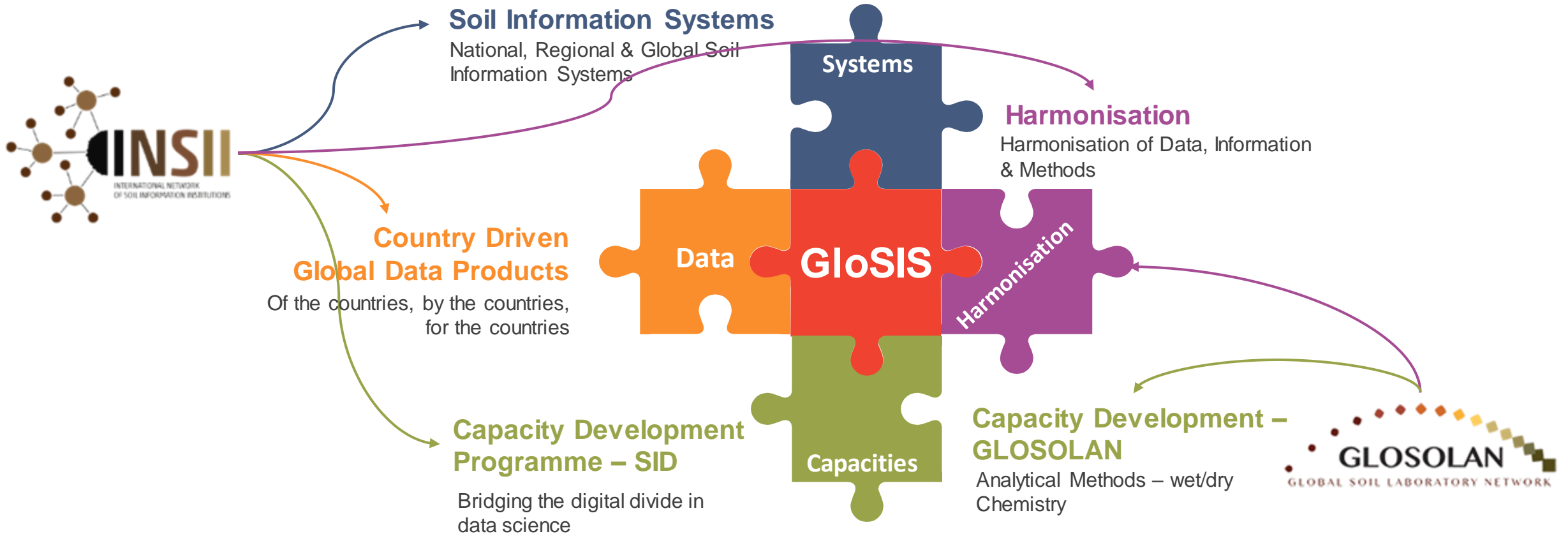
- 122 National mandated institutions and GSP partners plus the European Union
- Chaired by Mr. Luca Montanarella (EU)

Support and Collaboration

- Supported by the GSP Secretariat, ITPS, and Thematic Working Groups



INSII: Data Driven Policy Making



INSII in Numbers 8+ Years

122

FAO Member Countries & EU

122

Soil Information Institutions

Global Data Products

4



36 Map Layers

+2 ongoing

System Development

9



National Soil Information Systems

20 ongoing*

Capacity Development

80



Training Workshops

129 countries

Capacity Development



1900+ National Experts

164 in 2024

Publications

13



Key Publications

Guidelines, Technical Manuals, Reports

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

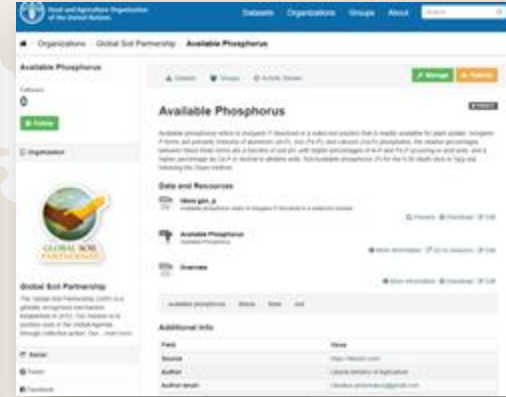
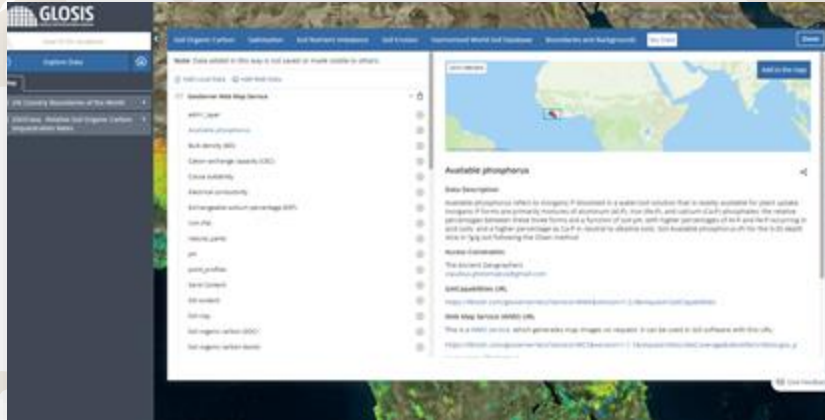


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GloSIS Federation.

Collaboration GSP Secretariat & ISRIC



GloSIS Data Catalogue

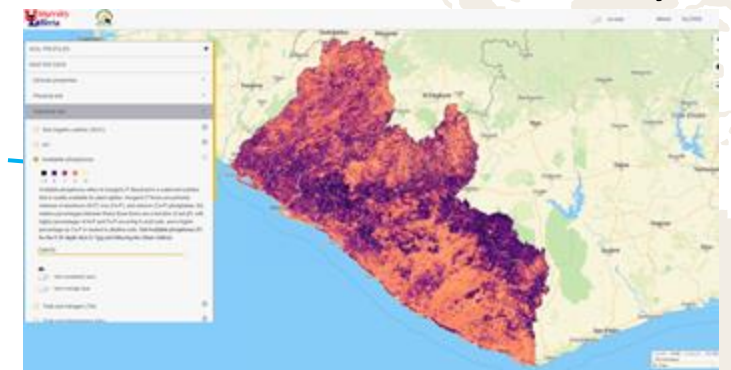
- Global Data (Global Maps)
- LibSIS connected
- Soon fully federated

GloSIS Web Service & GloSIS Discovery Hub



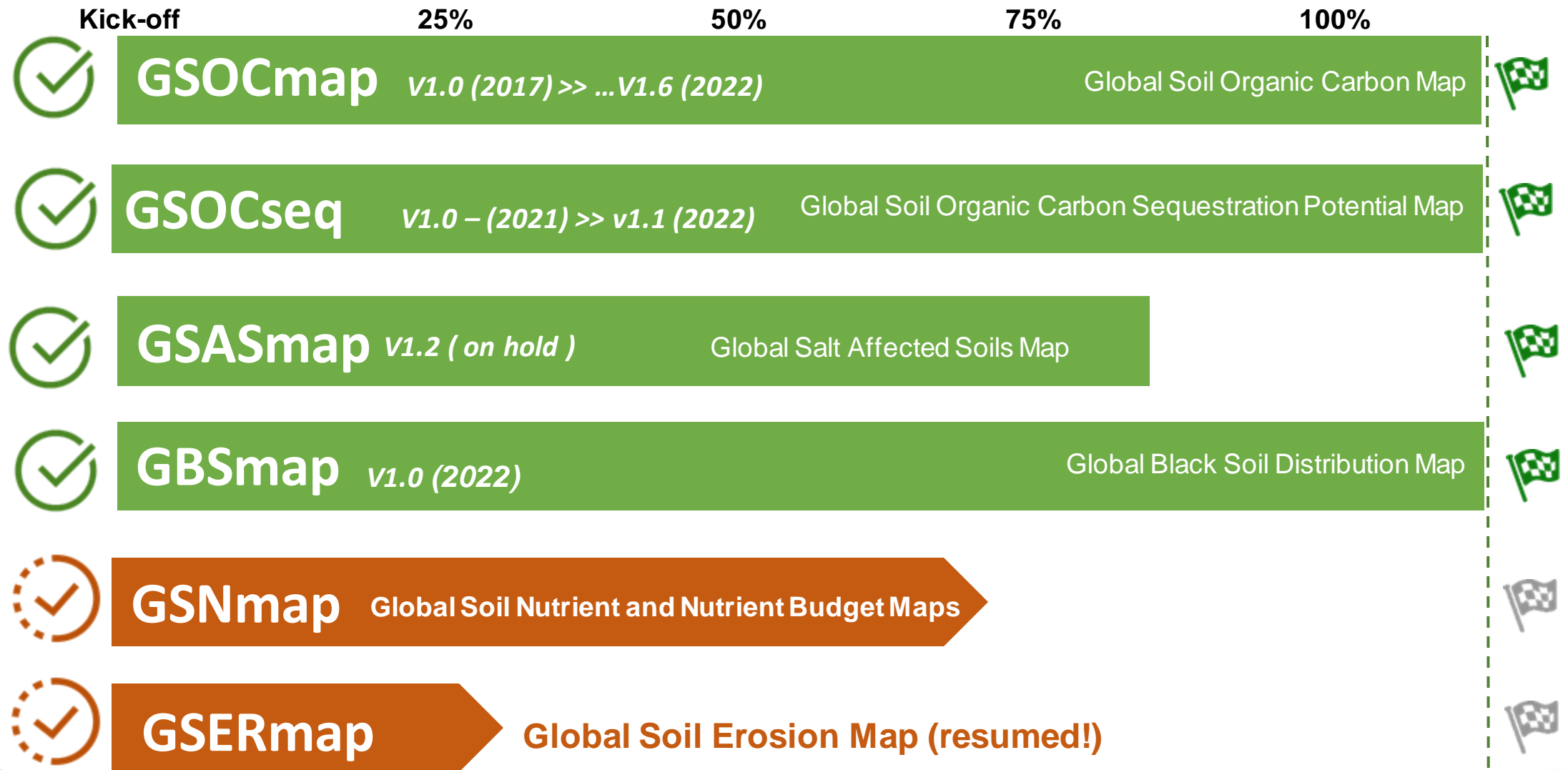
Data Exchange
(WMS-WFS-WCS)

LibSIS – Liberian Soil Information System



- Software to support INSII members in establishing SIS; Connect NSIS to Decision Support Systems; Connecting national systems to GloSIS Federation (ongoing, together with ISRIC)

of the countries, by the countries, for the countries





GLOBAL SOIL
PARTNERSHIP

GSP Members
request for
GSNmap

Two-phase initiative

Phase I: Nutrient maps (current status)

Phase II: Nutrient budget maps



Methodology

Definition of a methodology through the support of the GSP's technical networks,

International Network on Soil Information Institutions (INSII),

Working groups and the ITPS



Technical specifications and country guidelines

Publication and divulgation to define a standardized approach



Capacity Building Program

Online Technical Manual

Online regional training & follow-up one to one technical sessions with National Experts



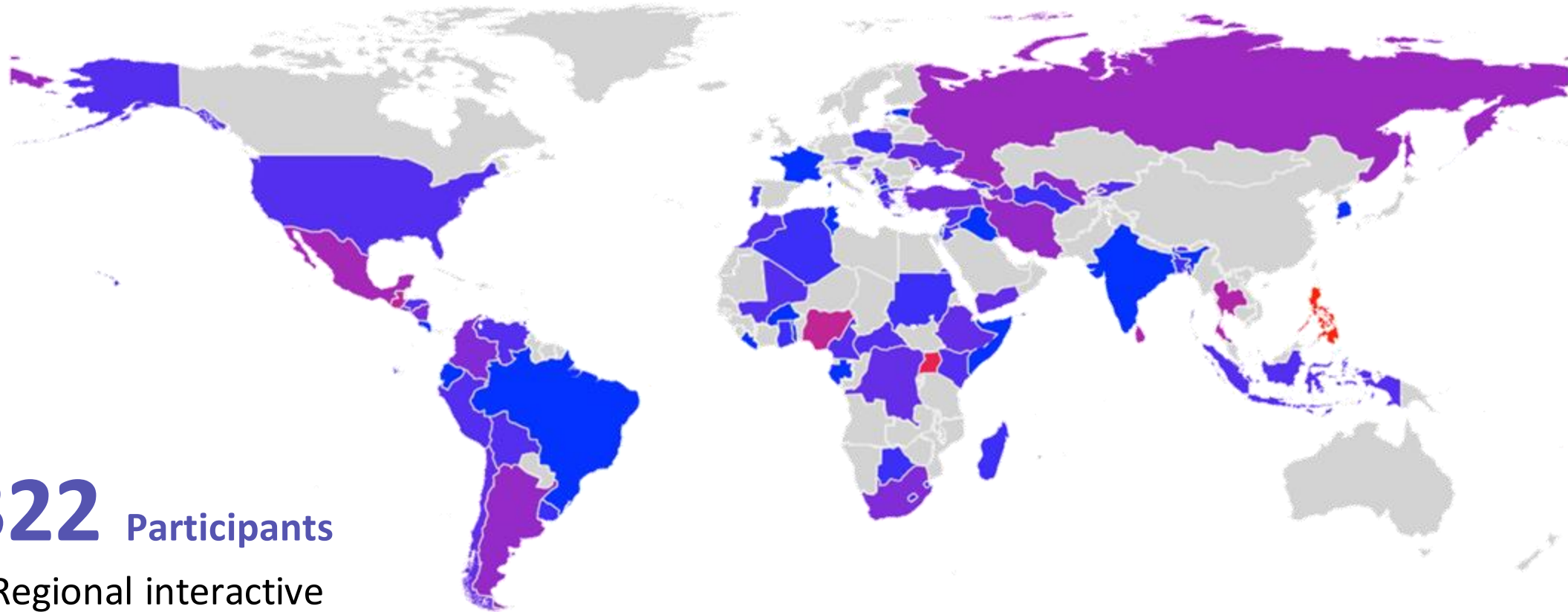
National Submission

Quality assessment and quality check of the submitted maps

19 Submission (March 2024)

GSNmap
Phase I
World Soil Day



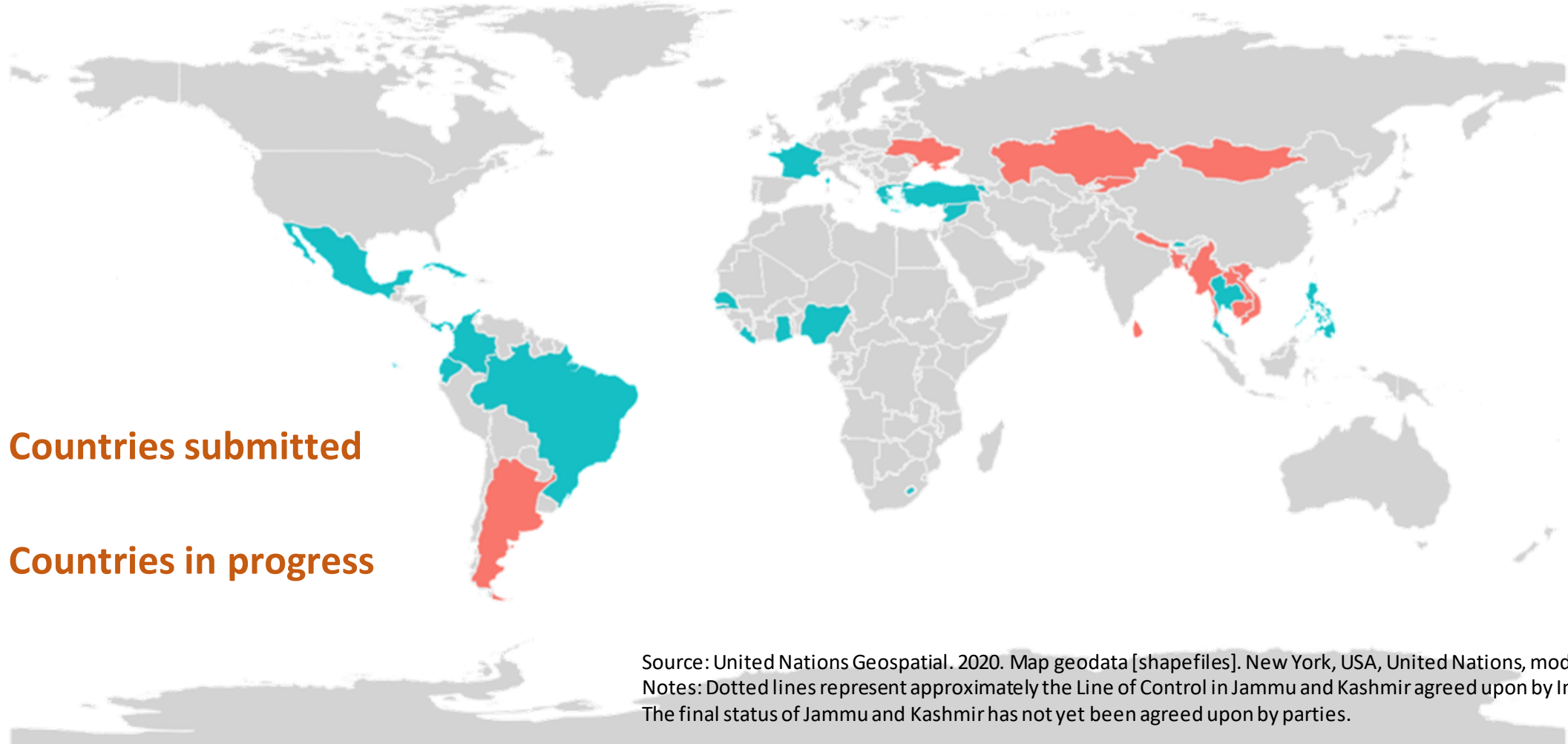


322 Participants

6 Regional interactive online trainings based on real soil data.

Source: United Nations Geospatial. 2020. Map geodata [shapefiles]. New York, USA, United Nations, modified by the authors.
Notes: Dotted lines represent 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 parties.





Submissions
■ In Progress
■ Submitted

19 Countries submitted

12 Countries in progress

Source: United Nations Geospatial. 2020. Map geodata [shapefiles]. New York, USA, United Nations, modified by the authors.
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GSERmap

Country-driven mapping



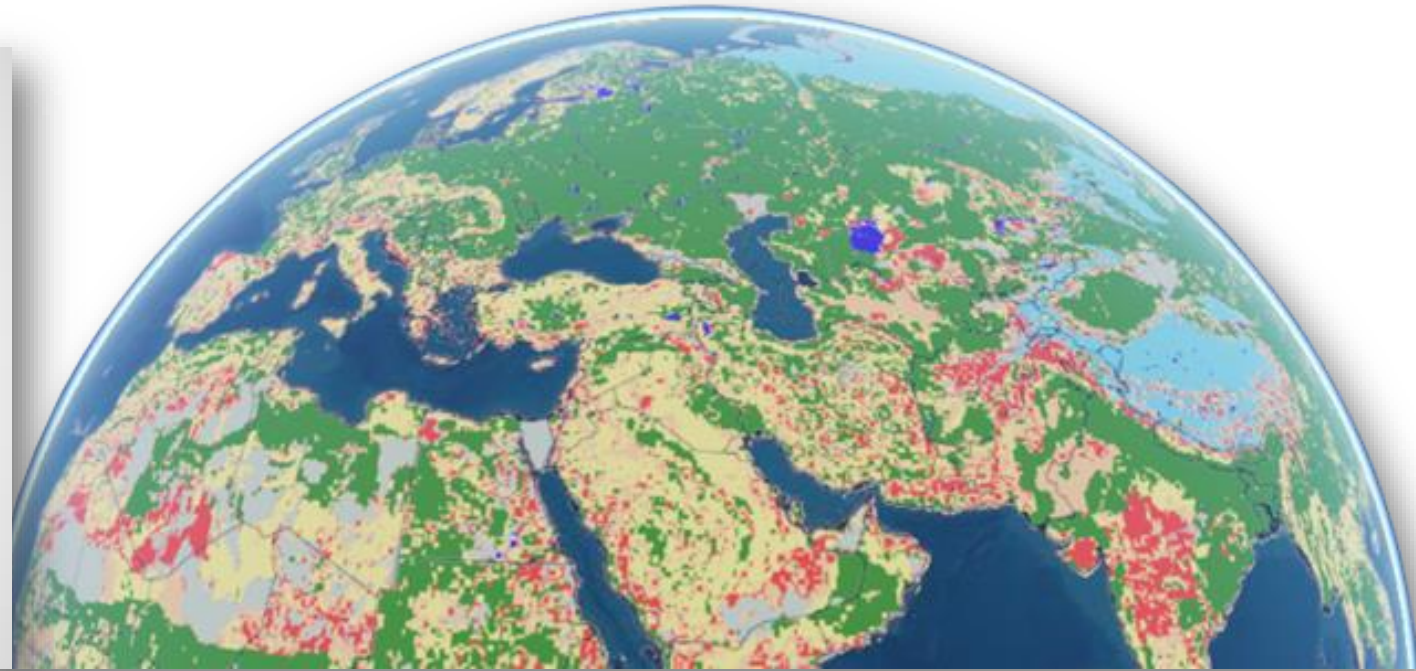
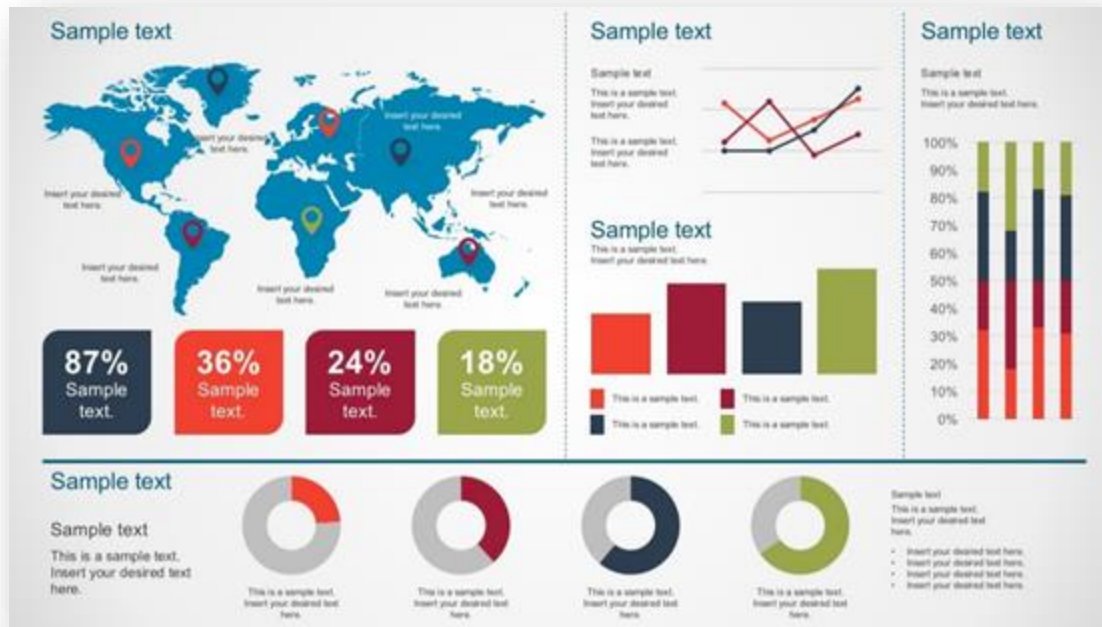
- GSERmap Workshop in Yangling (April, 2024): Organized by GSP in collaboration with the World Association of Soil and Water Conservation (WASWAC).
- The GSERmap steering committee agreed to include erosion by water, wind and tillage.
- The final documents will be reviewed by the WG, INSII and ITPS to be endorsed by GSP PA.



SoilSTAT

Global Soil Health Dashboard

- Global Soil Statistics Platform
- Soil Health Indicators;
- Global Soil Health Dashboard;



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;
- **Welcome** the efforts made by the INSII to advance the implementation of its work plan and encourage all members to continue contributing to the best of their ability to the development of key documents, products, and projects for sustainable soil management and conservation;
- **Invite** FAO Members and GSP partners to nominate experts to contribute to the development of activities and products promoted by INSII in response to the decisions of this Plenary Assembly and their work plans;





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THANK YOU



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