



Food and Agriculture
Organization of the
United Nations

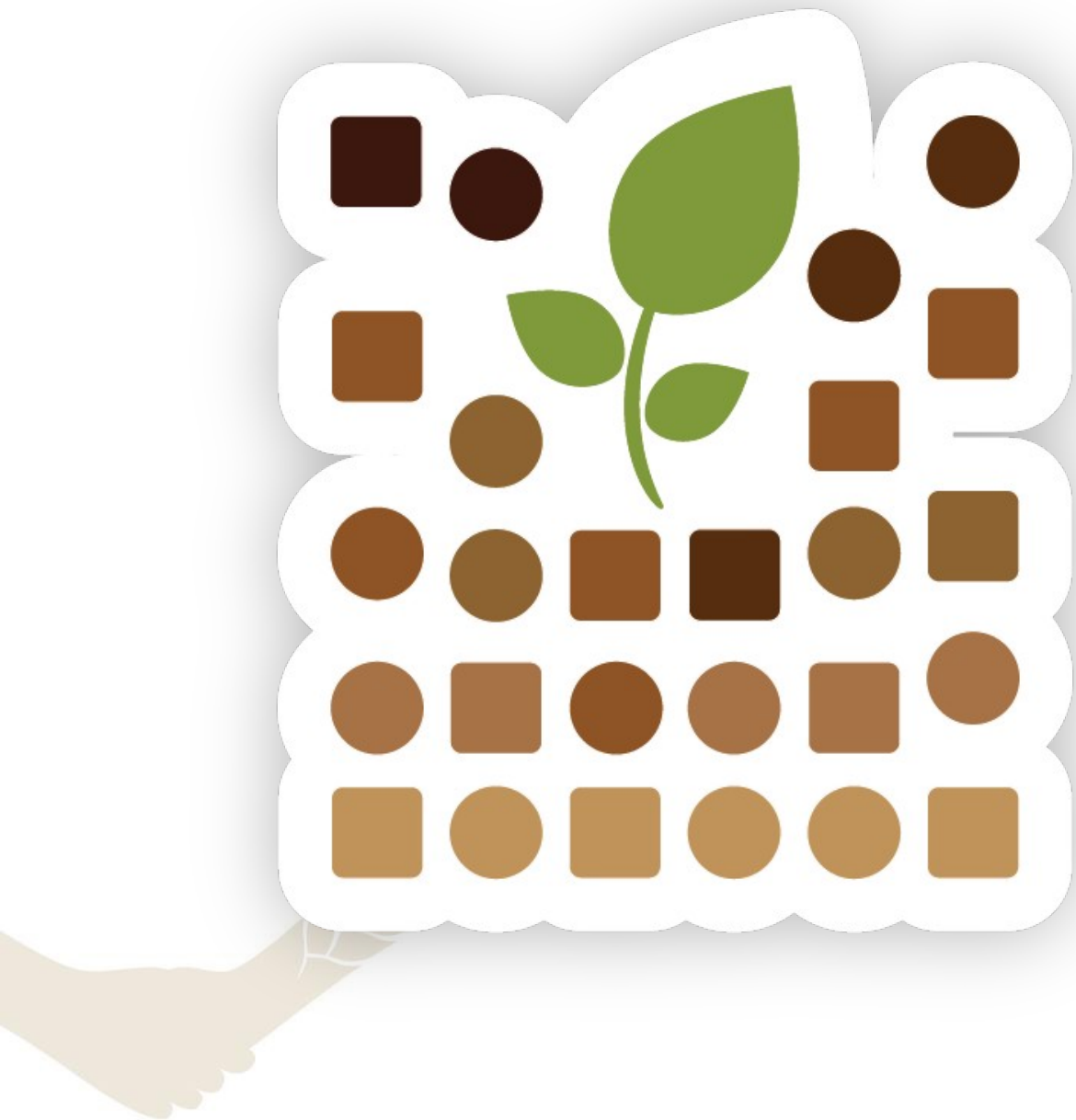
7th Asian Soil Partnership MEETING

9-10 March 2022

GSP (aof) - Soil Information and Data

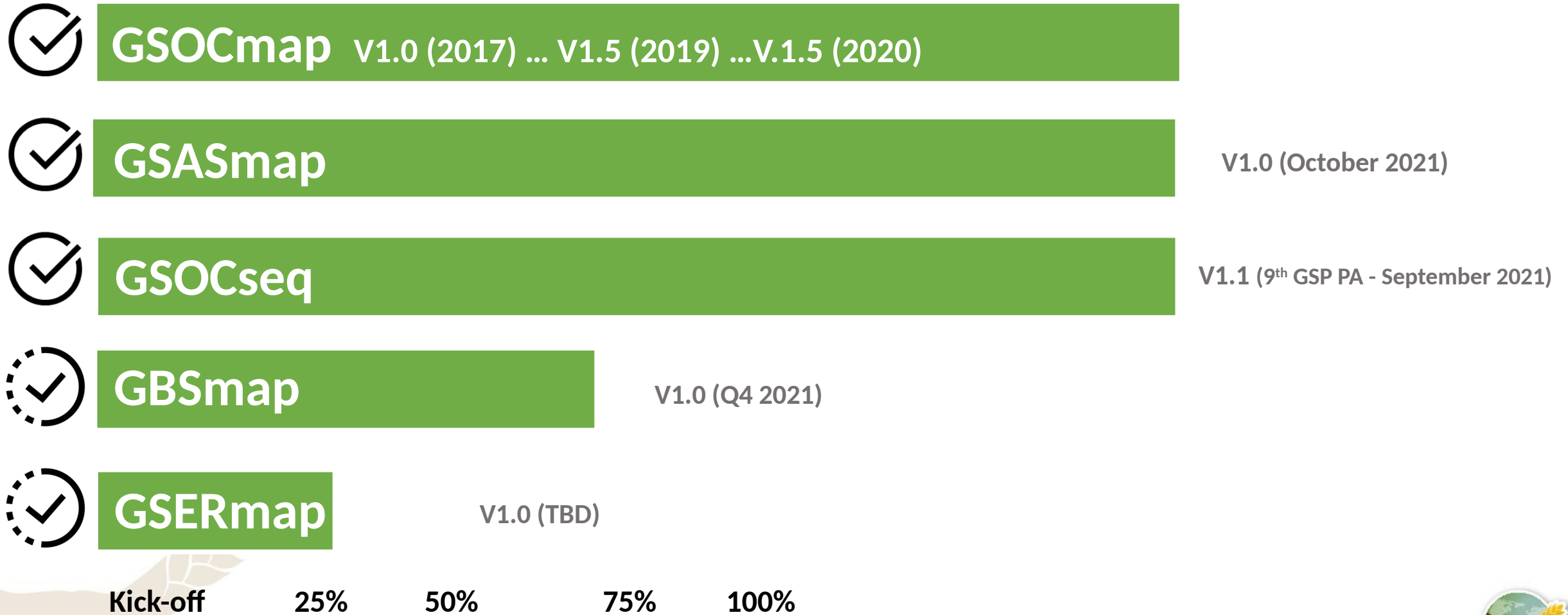
Isabel Luotto





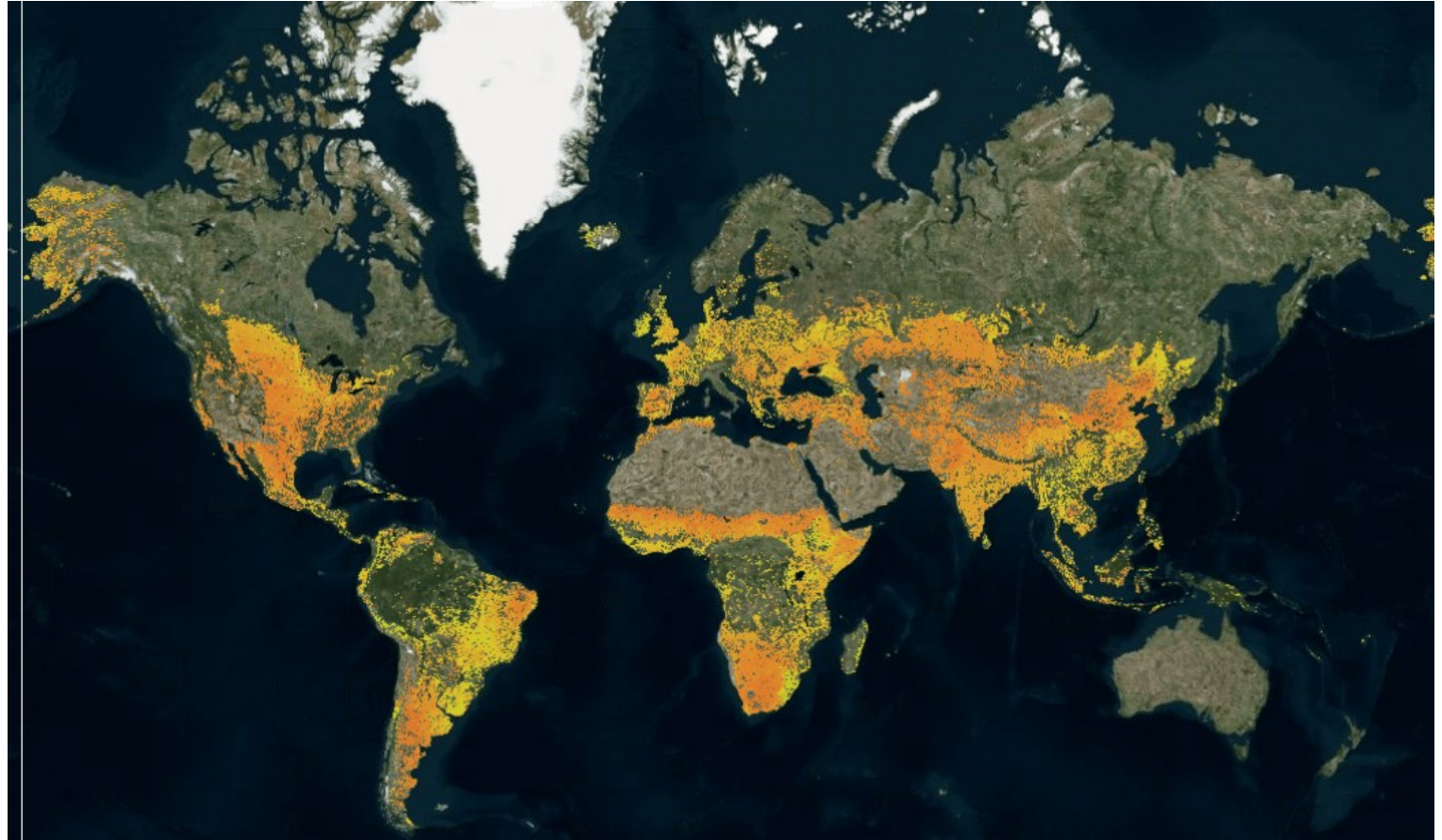
**Area of Work:
Soil Information & Data
(SID)**

GloSIS Country-driven Global Data Products



Global Soil Organic Carbon Sequestration Potential Map - GSOCseq v1.1

The GSOCseq helps countries to draw conclusions on the soil's potential to sequester carbon by simulating soil organic carbon stocks over a 20-year period under sustainable soil management to boost both food security and mitigate climate change.



Global Soil Organic Carbon Sequestration Potential Map - GSOCseq v1.1 - Capacity Development

- **Two regional trainings** to model and map SOC sequestration potential under the GSOCseq framework were organized and attended by over **110 participants** and **17 countries**
 - Asian Regional GSOCseq Training (23-27/11/20)
 - AFACI GSOCseq Training (11-14/01/22)



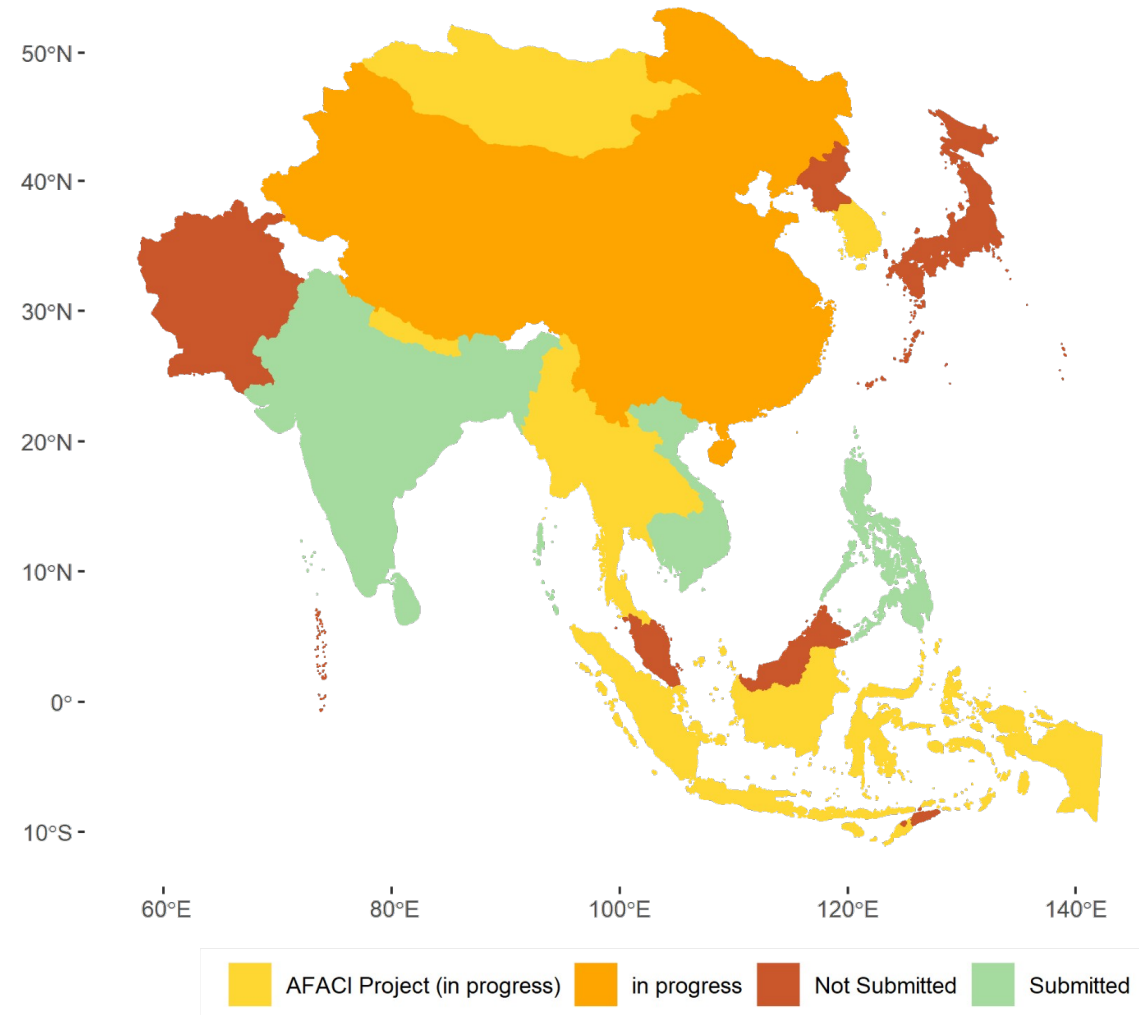
Global Soil Organic Carbon Sequestration Potential Map - GSOSeq v1.1 - Working Group

- A thematic working group was established for the GSOSeq early this year to:
 - contribute to key GSOSeq publications
 - consolidate a way forward for improvements through future version of the GSOSeq
- 2 Members are from the Asian GSP Region
- A first meeting was held on February 18/22



Global Soil Organic Carbon Sequestration Potential Map - GSOCseq v1.1 - Submissions

- **7 ASP countries have submitted** a national GSOCseq product (Bangladesh; Bhutan; Cambodia; India; Philippines; Sri Lanka; Viet Nam)
- **7 AFACI countries are currently working** on a GSOCseq product (Indonesia; Lao; Mongolia; Myanmar; Nepal; Republic of Korea; Thailand)



Source: UN, 2020. Map of the World, United Nations.

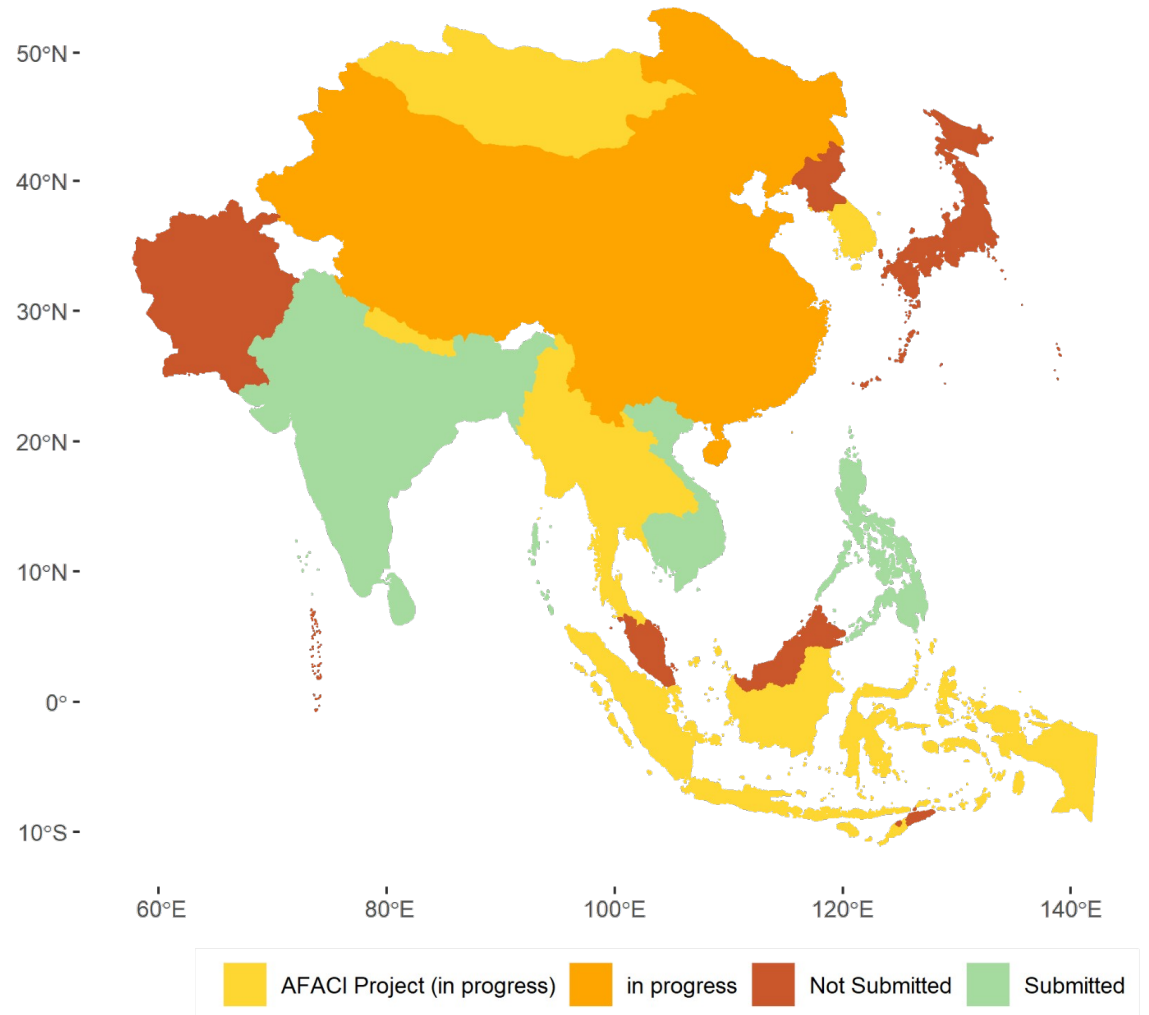
7th Asian Soil Partnership Meeting | 9-10 March 2022



Global Soil Organic Carbon Sequestration Potential Map - GSOCseq v1.1 - **Actions Needed**

National Experts who are working or haven't yet started **should reach out to** (Isabel.Luotto@fao.org)

- **report on progress**
- **seek technical support** (i.e. troubleshooting scripts, running the model)



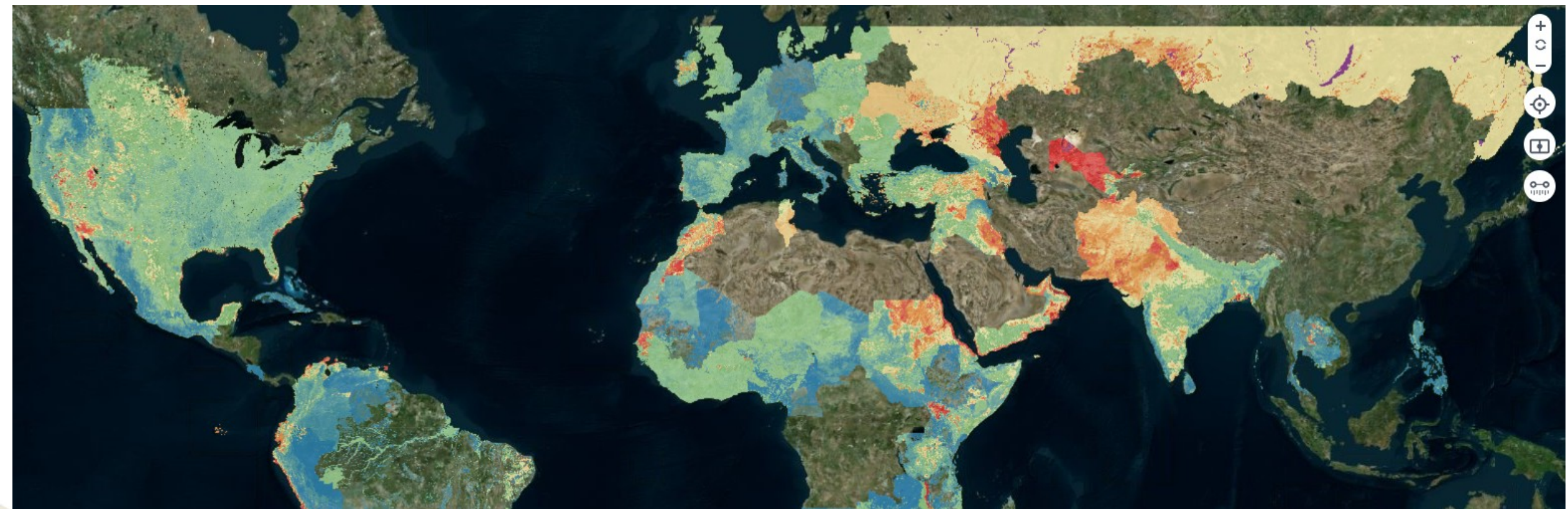
Source: UN, 2020. Map of the World, United Nations.

7th Asian Soil Partnership Meeting | 9-10 March 2022



Global Salt-Affected Soils Map (GSASmap v1.0)

The GSASmap was generated following a country-driven process. It allows countries to quantify the extent and degradation status of salt-affected soils to tackle this soil threat and improve food security.



Global Salt-Affected Soils Map (GSASmap v1.0)

- Capacity Development

- A 2-week training for the Asian GSP Region was organized (24 Mar - 03 Apr 2020)
- It was attended by 76 participants from 21 countries



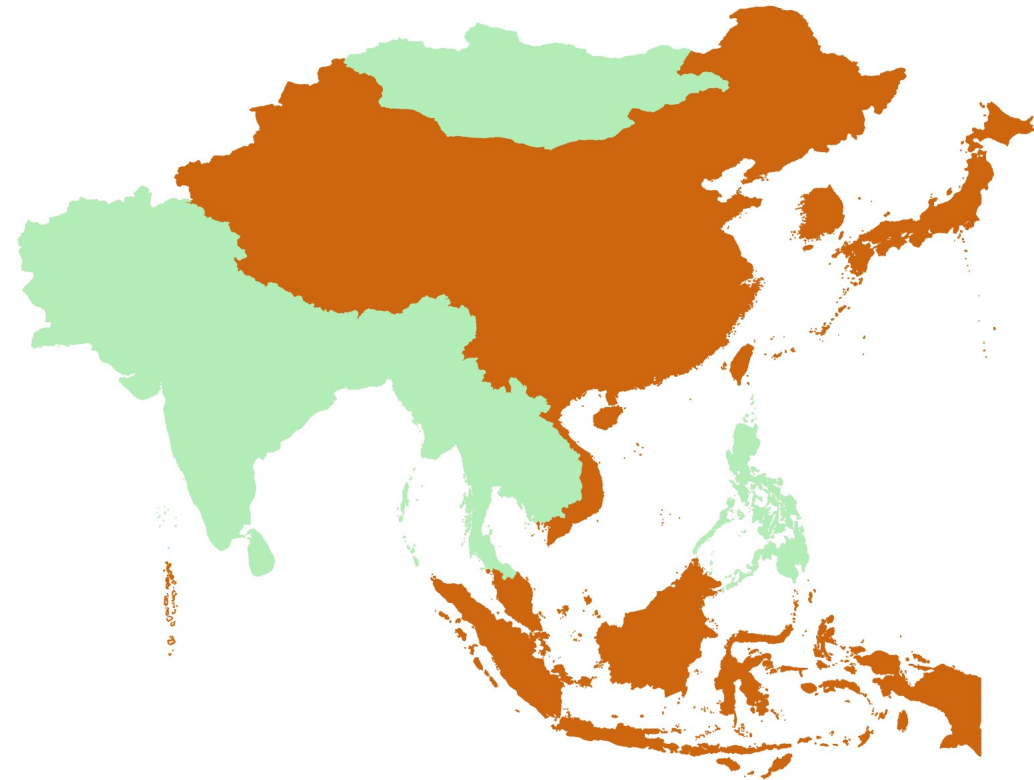
Global Salt-Affected Soils Map (GSASmap v1.0)

- Submissions

By March 2022, **13 countries** have submitted their maps (See attached) and included in the GSASmap

National Experts who are working or haven't yet started **should reach out to** (Christian.Omuto@fao.org)

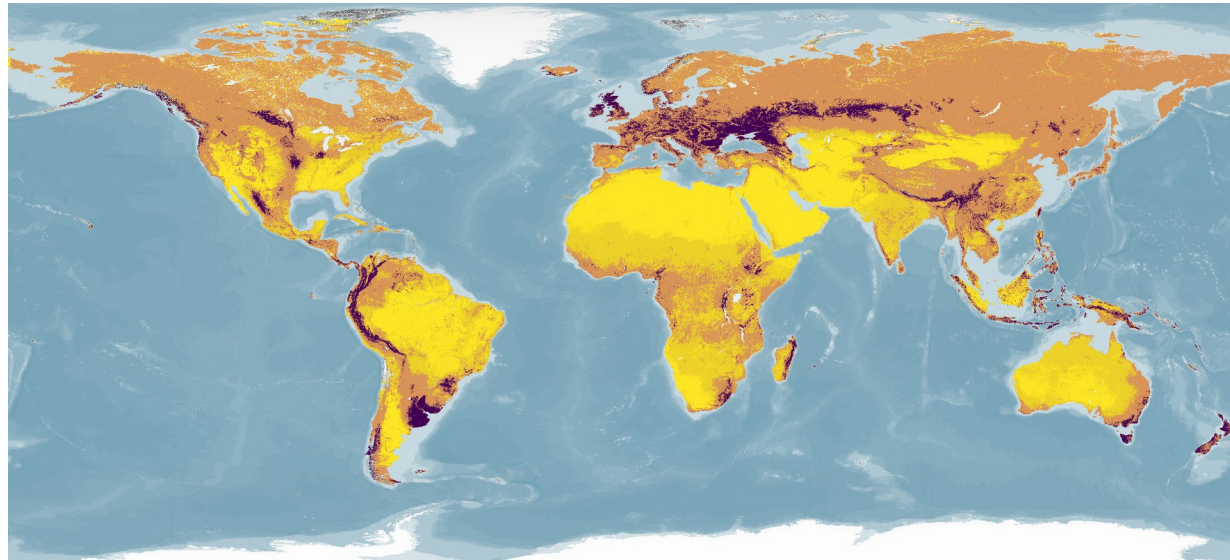
- **report on progress**
- **seek technical support** (i.e. troubleshooting scripts, running the model)



Submitted
Not submitted

Global Black Soil Distribution Map (GBSmap)

- Black soils are the world's most productive and fertile soils, making them the world's food basket.
- Together with GSP, the International Network of Black Soils (INBS) is leading this endeavour.
- In order to know their spatial distribution, we developed a methodology, a technical manual and delivered an international training to assist INBS member countries to map the distribution.



Global Black Soil Distribution Map (GBSmap)

- Milestones

- **Technical manual and an international training** were delivered
- Global report on the status of Black Soils of the world is being produced and will be delivered by May 23th.
- **1 ASP country have submitted** a national GBSmap product (Indonesia)
- **3/4 ASP countries are currently generating** a GBSmap product (China, Mongolia, Nepal, Japan)

- Actions Needed

National Experts who are working or haven't yet started **should reach out to** (Marcos.Angelini@fao.org)

- **report on progress**
- **seek technical support** (i.e. troubleshooting scripts, running the model)



Additional Trainings organized under the AFACI project:

- **Training on National Soil Databases and Soil Property Mapping -15-19 November 2021 - Virtual (9am - 12pm | Rome GMT+2) - 78 Participants; 12 Countries**
- **Introduction to soil data management —field and lab— 2-3 February (The training was repeated on 9-10 February) -34 Participants; 12 countries**

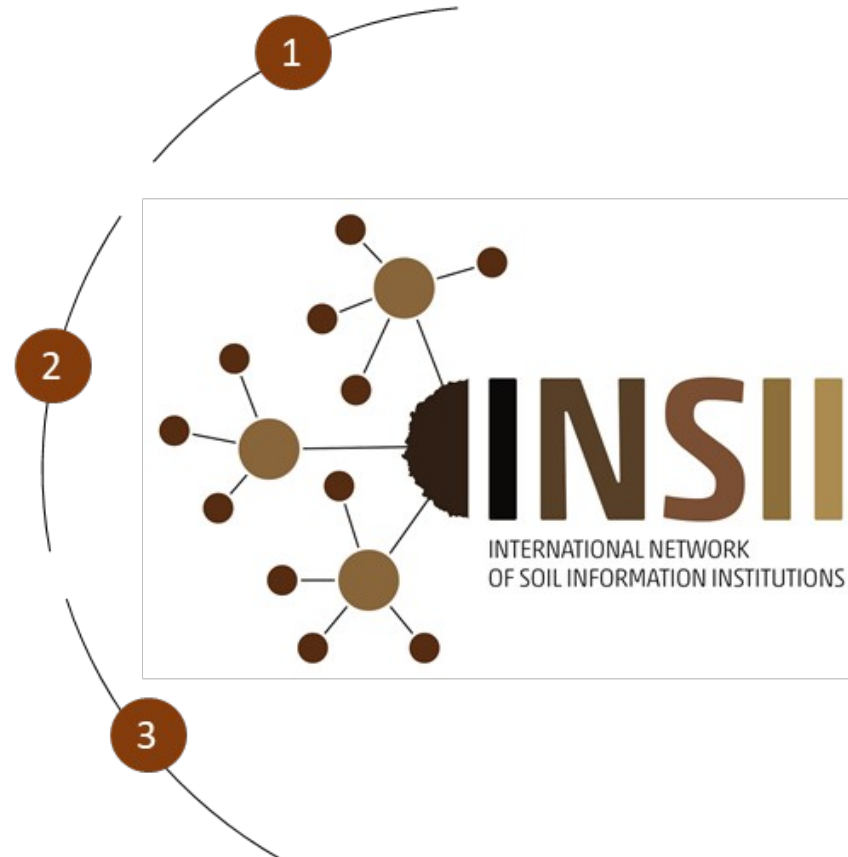


The International Network of Soil Information Institutions (INSII)

is composed by nationally mandated institutions and GSP partners developing the Global Soil Information System (GLOSIS).

Main Functions:

- 1 Identify and nominate **National Experts** to support the efficient implementation of the SID Activities
- 2 Provide access to **soil geographic information** in order to populate the products of the Global Soil Information System (GloSIS) under specified conditions.
- 3 Support the process by providing **overall guidance** and advising on matters related to funding and implementation of actions.



7th Asian Soil Partnership Meeting | 9-10 March 2022



International Network of Soil Information Institutions (INSII)

- **Actions Needed** National Focal points are kindly invited to confirm that the current contact Network for INSII is up to date and complete:

<https://docs.google.com/spreadsheets/d/1WLFy34ucMNXpSF-8lbldheGDORKYKz5Djv6lw5xC-mc/edit?usp=sharing>





Food and Agriculture
Organization of the
United Nations

7th Asian Soil Partnership MEETING

9-10 March 2022

