



Food and Agriculture
Organization of the
United Nations

18th Working Session of the Intergovernmental Technical Panel on Soils (ITPS)

21-23 March 2023
FAO Headquarters
Rome, Italy

International Network of Black Soils

Lúcia Helena Cunha dos Anjos
UFRRJ, Brazil, ITPS

itps

INTERGOVERNMENTAL
TECHNICAL PANEL ON SOILS

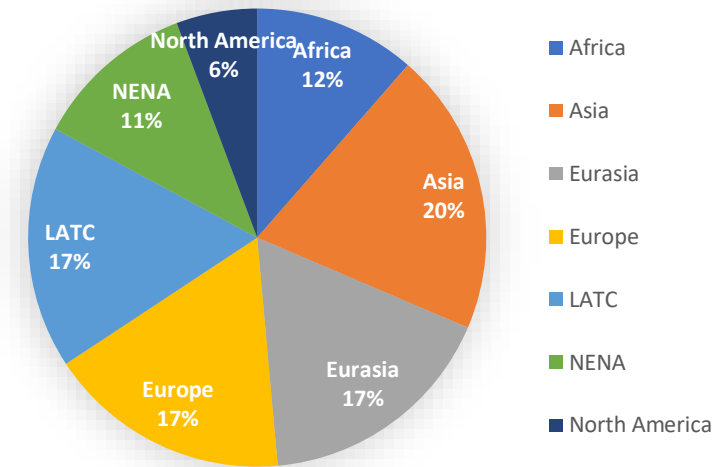
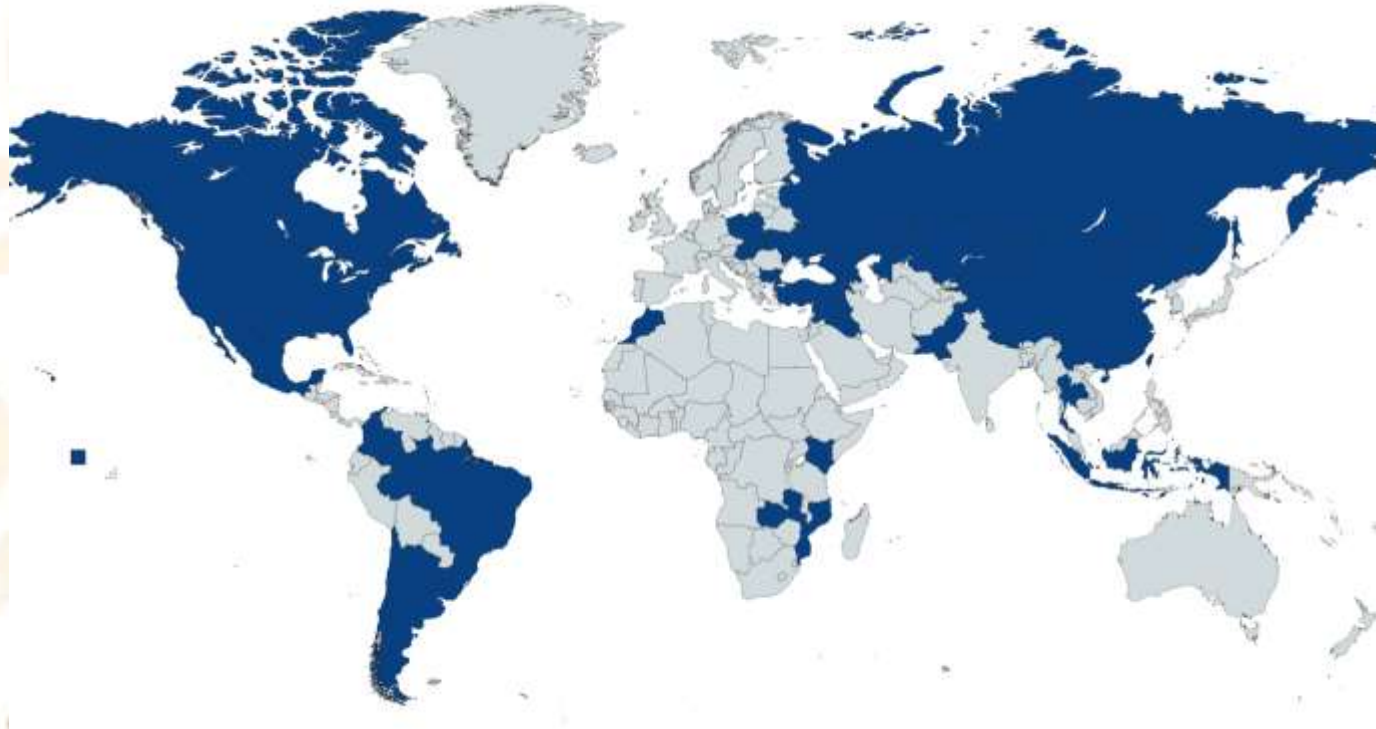


Launch of INBS

- Considering the great importance of black soils and their risk of **severe degradation**, it has become crucial to promote their conservation and sustainable use;
 - And to unlock their potential in the longer term to support **food security** while protecting the environment and **mitigating climate change**.
- On the basis of recommendation of the FAO's Global Soil Partnership (GSP) on the UN's Sustainable Development Goals (SDG), and the discussions and decisions from the Global Symposium of Soil Organic Carbon, the International Network of Black Soil (INBS) was launched in Rome, in March 2017.



Members of INBS - 34 Countries and 1 Union



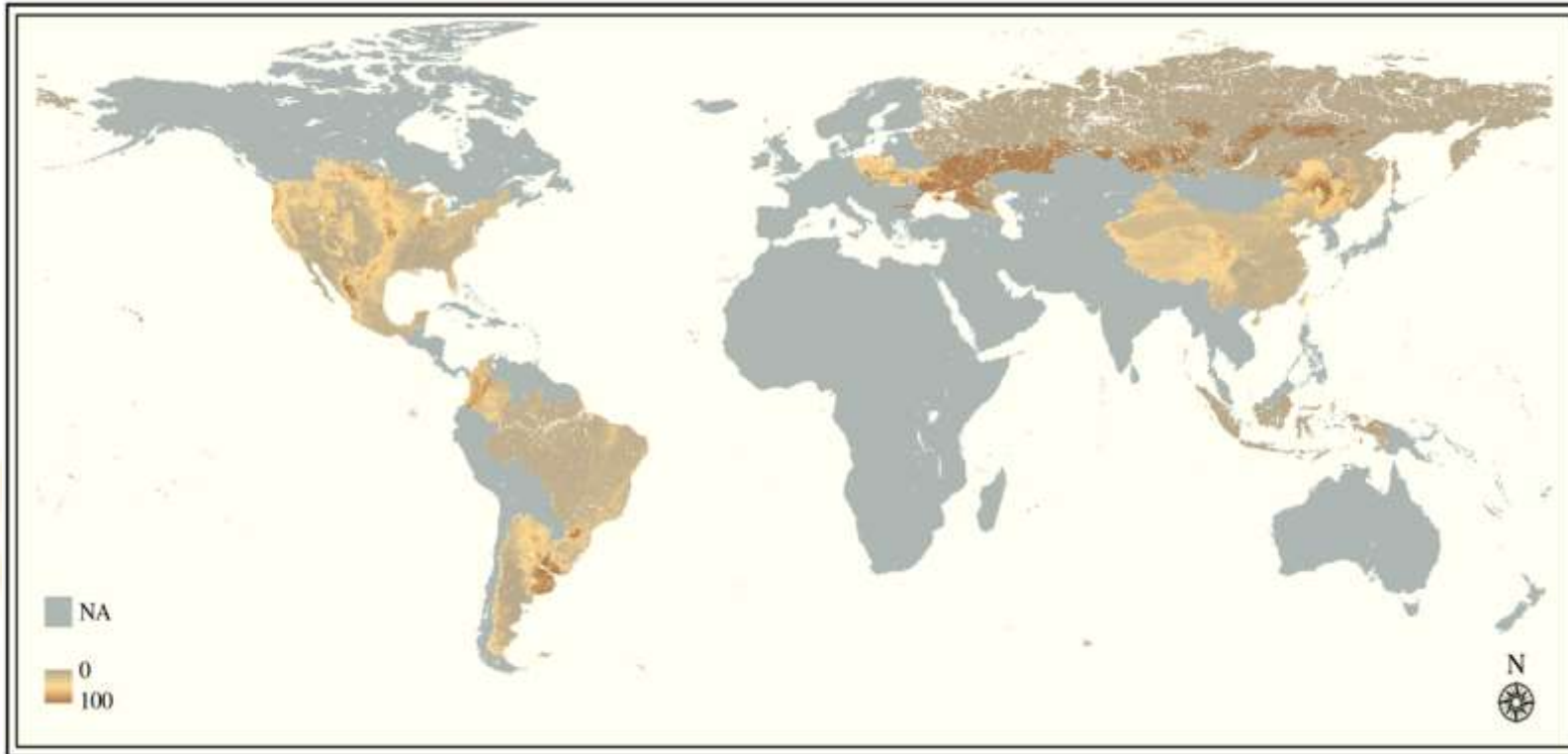
Global distribution of black soil member countries

MAPPING BLACK SOILS

**GBSmap Training
INBS Countries + one-to-one
support sessions**



NATIONAL MAP SUBMISSIONS



Black soils probability map

1. Argentina (probability map)
2. Brazil (probability map)
3. Bulgaria (detailed polygon maps)
4. Canada (probability map)
5. China (probability map)
6. Colombia (probability map)
7. Indonesia (detailed polygon maps)
8. Mexico (probability map)
9. Poland (probability map)
10. Russian Federation (detailed polygon maps)
11. Slovakia (detailed polygon maps)
12. Ukraine (probability map)
13. United States of America (probability map)
14. Uruguay (probability map)

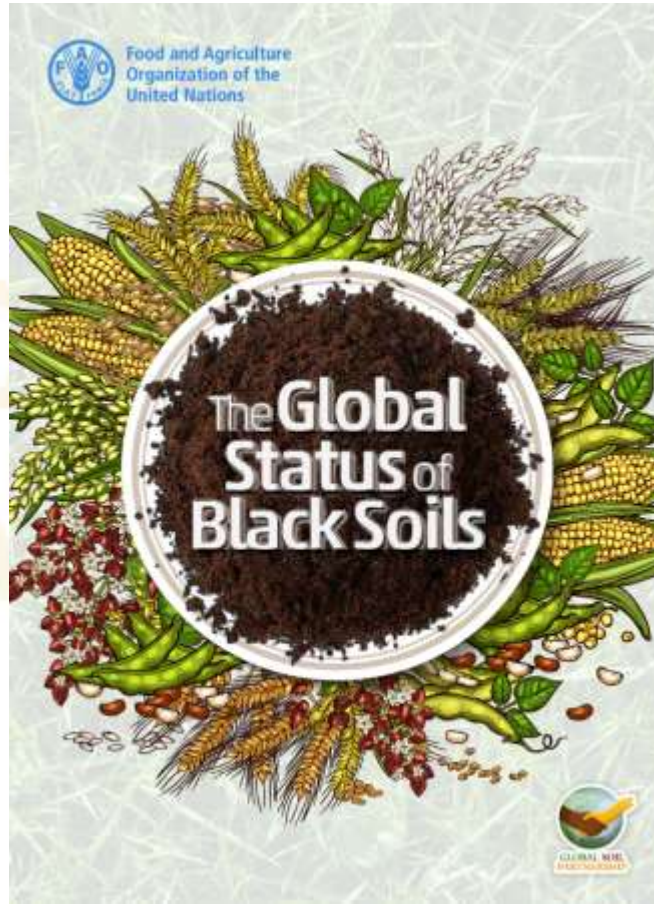
itps

INTERGOVERNMENTAL
TECHNICAL PANEL ON SOILS

18th Working Session of the Intergovernmental Technical Panel on Soils (ITPS)
21-23 March 2023 | Fao Headquarters | Rome, Italy



5th December
2022



The intention of the global black soil report is:

- *to raise awareness on the importance of this limited natural resource (black soils);*
- *to understand black soils' distribution and status;*
- *to provide key information that will give decision makers to promote the sustainable use and management of black soils.*

✓ **188 soil scientists** from **31 countries** contributed to the report with their knowledge on status, challenges, management, conservation, and monitoring of black soils.



18th Working Session of the Intergovernmental Technical Panel on Soils (ITPS)
21-23 March 2023 | Fao Headquarters | Rome, Italy



Recommendations

Global Status of Black Soils report



Farmers

- Maintain or even increase SOC stocks and reduce GHG emissions through **proven SSM practices**.



Academia

- Support the **development of good practices** for the sustainable management of black soils;
- Contribute to the **refinement of the black soil definition**;
- Establish a **monitoring system**.



Government

- Foster the adoption of proven SSM practices through **national financial incentives**;
- Promote **the RECSOIL (Recarbonization of Global Soils)** initiative in countries with black soils;
- Establish **national programmes** for SSM of black soils.



INBS

- Strengthen **awareness raising** campaigns on the importance of black soils;
- Refine the current **definition of "black soils"** ;
- Establish an international **monitoring system**;
- Advocate for the establishment of a **global agreement** on the sustainability of global black soils.
- Strengthen **technical cooperation** among countries with black soils.

ITPS Black Soil Letter

- Members of Black Soils Working Group developed the draft version;
- Reviewed by all ITPS members in the Black Soils WG and GSP secretariat;
- Collected comments from other ITPS members.



INBS activities 2023

- Organize **4th Workshop** of the International Network of Black Soils (INBS) on **30th March 2023**
- Plan the development of a technical manual on sustainable black soil management practices;
- Develop international agreement/guidelines on sustainable management of black soils;
- Implement ongoing activities between INBS and other technical networks of the Global Soil Partnership;
- Organize webinars on the topics of sustainable black soil management; and
- Prepare scientific papers to be published on the topic of black soils.

INBS is open for further suggestions and collaborations

And **support needed from ITPS**



18th Working Session of the Intergovernmental Technical Panel on Soils (ITPS)
21-23 March 2023 | Fao Headquarters | Rome, Italy



INBS

INBS will closely collaborate in 2023 with other networks to achieve its global goal in promoting SSM of black soils.

Examples of collaborations are:

- **INSII:** Developed the methodology of the Global Black Soils Distribution Map, and launched the map in May 2022. Will continue the work on the second version in 2023;
- **Soil Doctors Programme:** Developed the black soils module, and will organize trainings on sustainable black soils management in 2023;
- **GLOSOLAN:** Harmonizing SOP's for soil organic carbon. Lab's capacity and equipment assessment.



Thanks to ITPS black soil working group

- Lúcia Helena Cunha dos Anjos
- Ndzana Georges Martial
- JIN Ke
- Guillermo A. Studdert
- Michael Castellano



18th Working Session of the Intergovernmental Technical Panel on Soils (ITPS)
21-23 March 2023 | Fao Headquarters | Rome, Italy





Food and Agriculture
Organization of the
United Nations

itps

INTERGOVERNMENTAL
TECHNICAL PANEL ON SOILS

Thank you!

INBS

Coordinator: Yuxin.tong@fao.org

Chair: ivvasenev@gmail.com

GSP Secretariat: GSP-Secretariat@fao.org

18th Working Session of the Intergovernmental Technical Panel on Soils (ITPS)
21-23 March 2023 | Fao Headquarters | Rome, Italy

