



Food and Agriculture
Organization of the
United Nations



4th Workshop of the International Network of Black Soils

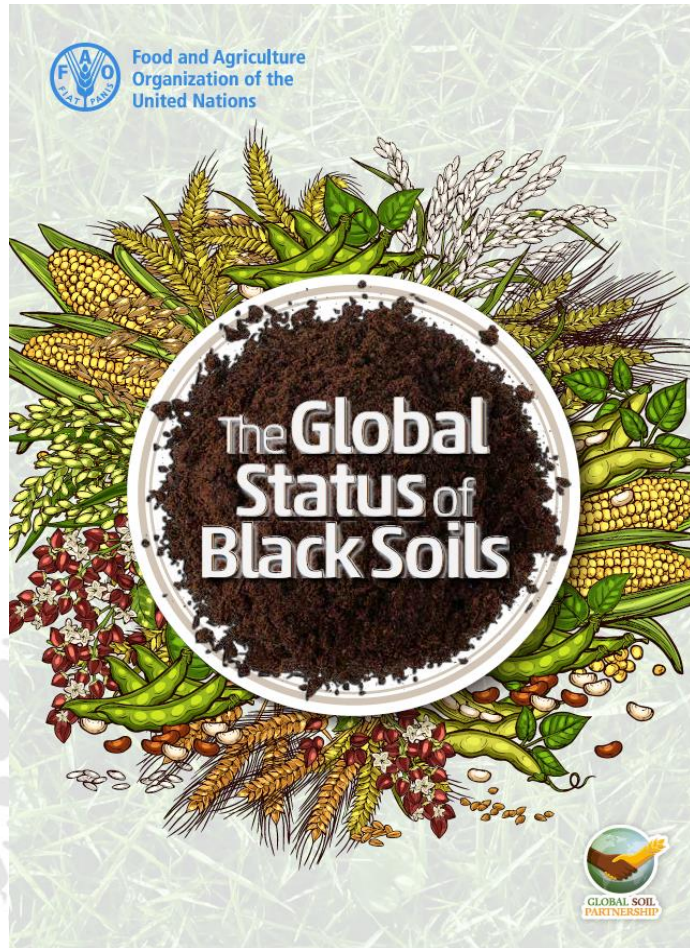
INBS Publication Plan 2023-2024

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GSP-FAO

30 March 2023





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.*

Acknowledgments

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

Special thanks to lead authors of the chapters:

Ivan Vasenev

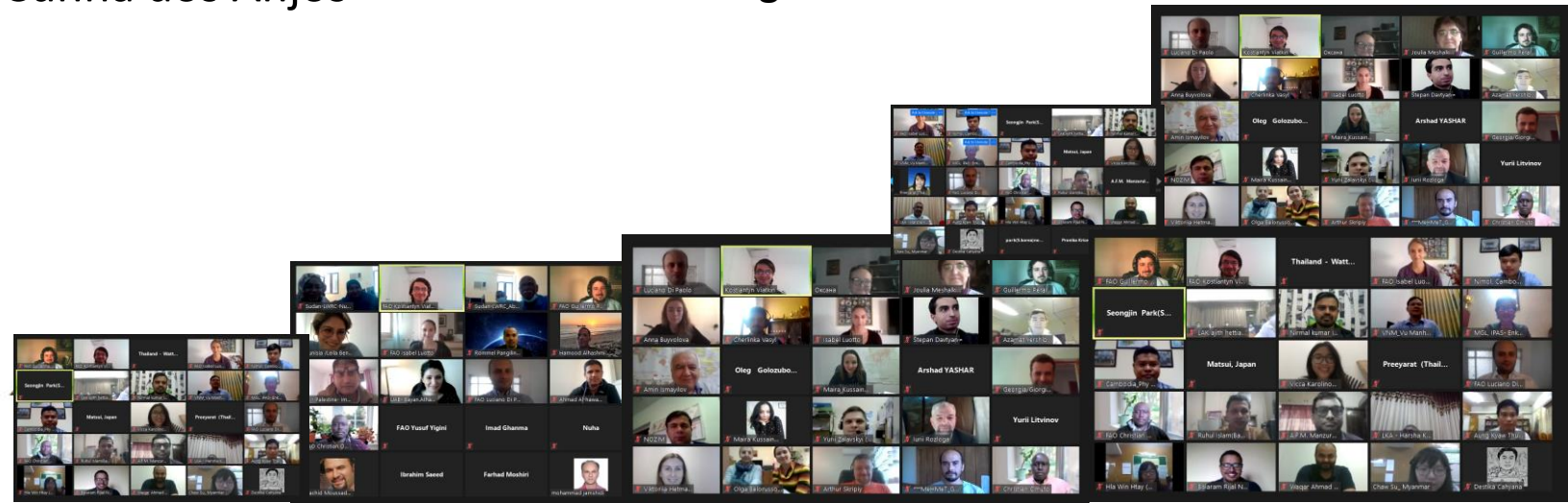
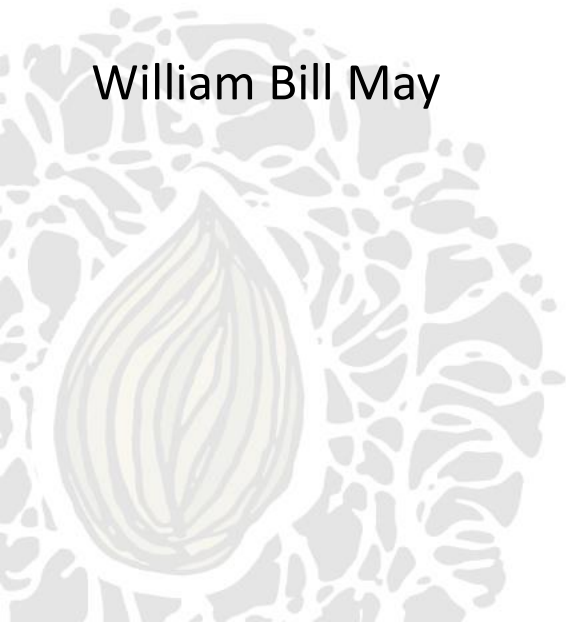
Pavel Krasilnikov

Luca Montanarella

William Bill May

Lúcia Helena Cunha dos Anjos

Marcos Angelini



Recommendations

Global Status of Black Soils report



Famers

- 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 black soil countries;
- 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.

Publications of INBS 2023-2024

- Technical manual on sustainable black soil management practices
- International agreement/guidelines on sustainable management of black soils

Technical manual on sustainable black soil management practices

- The technical manual will be the first attempt to gather, in a standardized format, the **existing knowledge** on the impacts of the main management practices on black soil content in a wide array of environments, including **the advantages, drawbacks and constraints**.
- This manual will present different sustainable black soil management practices at **different scales** and **in different contexts**, supported by **case studies** that have been shown with **quantitative data** to have a positive effect on black soils and **successful experiences** in practical field applications.

Technical manual on sustainable black soil management practices *such as:*

Tillage Management



Photo: Indian Head of Canada, William May

Nutrient Management



Photo: Jinlin province, China, Guozhong Feng

Organic Cover



Photo: Salto, Argentina, Guillermo Pe

Water Conservation



Photo: Lishu county, China, Ye Sha

Biomass Management



Photo: Zhaoguan county, China, Xingzhu Ma

Crop Diversification



Photo: Russia, T.A_Zubkova

Integrated Systems



Photo: Brazil, Ricardo Bergamo

Results from the online Survey on the development of Technical Manual

25 partners

16 black soil countries

Countries
Argentina
Brazil
Chile
China
European Union
Indonesia
Italy
Kenya
Kyrgyzstan
Mexico
Pakistan
Poland
Russian Federation
Syria
the US
Ukraine

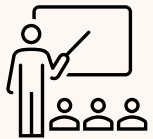
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Black Soil Protection Law in China

《The Black Soil Protection Law》 came into effect on August 1, 2022, is currently the only national law on the utilization and protection of black soil resources in the black soil region.



International Agreement/Guidelines on Sustainable Management of Black Soils

- The agreement/guidelines aims to **strengthen awareness campaigns** on the importance of black soils as the world's most productive and threatened natural resource
- It is a need to advocate for the establishment of a global agreement for the sustainable management (**for conservation, protection, and production**) of global black soils.

Results from the online Survey on the development of International agreement

22 partners

14 black soil countries

Countries
Argentina
Brazil
Bulgaria
Chile
China
European Union
Indonesia
Italy
Mexico
Pakistan
Poland
Russian Federation
Syria
Ukraine
Uruguay

Option 1

- ***Legal Guide for the Development of National Law/Regulation for the Sustainable Management of Black Soils***

Propose procedure:

- 1) Modify the Harbin Communique including the Legal Guide for the Development of National Law/Regulation for the Sustainable Management of Black Soils;
- 2) Develop the *Legal Guide*;
- 3) Submitted the *Legal Guide and* the renewed Harbin Communique to INBS members for endorsement;
- 4) Launch the *Legal Guide*.



SoiLEX - Soil related legal instruments and soil governance



Option 2

- ***International Agreement for Protection and Sustainable Management of Black Soils (Un-binding) or the Code and Guideline***
- Develop an ***Agreement for Protection and Sustainable Management of Black Soils with INBS members***
- Submit the *Agreement* for endorsement by:
 - INBS Focal Points;
 - GSP Plenary Assembly;
 - Committee on Agriculture of FAO;
 - FAO council.
- Launch the *Agreement*.

Partners vote for join INBS's current activities?

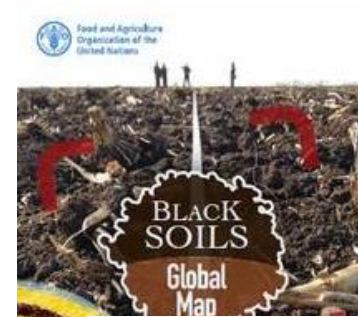
17 partners from 13 member countries - Update of GBSmap

12 partners from 11 member countries - Soil laboratories activities

12 partners from 9 member countries - Soil doctor programme

10 partners from 8 member countries - EduSoils

13 partners from 9 member countries - Webinars



Global
Soil Doctors



EduSoils



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Thank you very much for your attention

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