Soils and Sustainable Development Goals
Global Symposium on Soil Organic Carbon

Milestone event:
First time that a scientific symposium of this nature is co-organized by different organizations and bodies of the United Nations to gather scientific evidence for policy development on the role of SOC for climate change, food security and SDGs agendas.
Recommendations:

- **Theme 1:** Measuring, mapping, monitoring and reporting soil organic carbon stocks and stock changes.
- **Theme 2:** Maintaining and/or increasing SOC stocks (Forstering SOC sequestration)
- **Theme 3:** Managing SOC in soils with high SOC. (Peatland, Permafrost and Black soils)
Measuring, mapping, monitoring and reporting

GLOBAL SOIL ORGANIC CARBON MAP (GSOCmap)
Output 1 Measuring, mapping, monitoring and reporting

- Capacity Development

GSOCmap Toolbox

- TECHNICAL SPECIFICATIONS
- SOC MAPPING HANDBOOK
- DATA REPOSITORY (SDF)
- REMOTE SUPPORT
- GSP SOIL DATA POLICY
Output 1 Measuring, mapping, monitoring and reporting

International Network of Soil Information Institutions (INSII)
Maintaining and/or increasing SOC stocks

- The technical manual on SOC management at the regional and sub-regional scale
  - Grassland, shrublands, and bare and sparse areas with low, moderate, and high livestock
  - Rainfed agriculture – subsistence, familiar and commercial;
  - Rainfed or irrigated agriculture with livestock;
Output 2  Maintaining and/or increasing SOC stocks

Farmers to farmers training on a volunteering basis.

- To build the capacity of small-holder farmers on the practice of SOC management;
- To support governmental agencies and organizations working on agricultural extension at the field level;
- To support field research based on interactions between universities and research institutes with the Soil Doctors including access to demonstration and experimental fields;
- To promote technical and scientific cooperation among countries for improving their soil testing procedures.
The International Symposium on Black Soils & First Plenary of International Network of Black Soils (ISBS18) have been held in Harbin on 10 - 12 September 2018.

Outputs:
1. The definition of black soils
2. Working plan of INBS
3. Harbin Communique

Second Plenary of INBS will hold in Moldova in October 2019

Output 3 Managing SOC in soils with high SOC

International Network of Black Soils
Way Forward and the Koronivia Joint Work on Agriculture

- Raising awareness

- Measuring, mapping, monitoring and reporting
  - Global SOC stocks
  - Global assessment of SOC sequestration
  - Global SOC monitoring system

- Maintaining and/or increasing SOC stocks
  - Good practices for SOC management
  - Management of fertilization
  - SOC incentives pool

- Managing SOC in soils with high SOC
  - International Network of Black soils

Topics 2(c) Improved soil carbon, soil health and soil fertility under grassland and cropland as well as integrated systems, including water management
Thanks for your attention

Move into concrete actions with tools of sustainable SOC management