

Enhancing NDC ambition through soil organic carbon sequestration: A science-policy dialog
SBSTA 50 Side Event
June 26, 18:30-20:00, Bonn Room

A science-policy dialog on why and where ambition for soil organic carbon should be enhanced and the issues countries face in enhancing ambition.

Country representatives and experts will discuss the potential of soil organic carbon sequestration as a climate change mitigation option and the gap between countries' current and potential commitments.

Scientists will present an analysis of current and potential soil carbon commitments in countries' Nationally Determined Contributions (NDCs) and the growing body of evidence on the benefits of soil carbon for agriculture and slowing desertification. Representatives of Brazil, the European Commission, and Indonesia will discuss challenges for maintaining and increasing sequestration of soil organic carbon for climate change mitigation, soil health and improved productivity, and they will make recommendations for enhancing ambition and implementation. The World Bank will discuss avenues of support for climate change adaptation and mitigation and how soil organic carbon fits in that context.

Our aim is to help countries with the potential to increase or protect existing soil organic carbon identify soil organic carbon targets in their NDCs and build the finance, technology, and implementation systems to support ambitious implementation.

If you or your colleagues will be in Bonn, we hope you will join us.

Recent research and analysis on soil organic carbon

- Soussana J-F, Lutfalla S, Ehrhardt F, Rosenstock TS, Lammana C, Havlík P, Richards M, Wollenberg E, Chotte J-L, Torquebiau E, Ciais P, Smith P, Lal R. 2019. [Matching policy and science: Rationale for the '4 per 1000 - soils for food security and climate' initiative](#). *Soil and Tillage Research*.
- CGIAR System Organization, International Center for Tropical Agriculture, World Bank. 2019. [SBSTA 50 submission](#). CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS).
- Rumpel C, Amiraslani F, Chenu C, Garcia Cardenas M, Kaonga M, Koutika L-S, Ladha JK, Madari B, Shirato Y, Smith P, Soudi B, Soussana J-F, Whitehead D, Wollenberg E. 2019. [The 4p1000 initiative: Opportunities, limitations and challenges for implementing soil organic carbon sequestration as a sustainable development strategy](#). *Ambio*.
- Rumpel C, Amiraslani F, Koutika L-S, Smith P, Whitehead D, Wollenberg, E. 2018. [Put more carbon in soils to meet Paris climate pledges](#). *Nature*, 564:32-34.

Co-sponsors

- [4P1000](#)
- Agricultural Research for Development ([CIRAD](#))
- CGIAR Research Program on Climate Change, Agriculture and Food Security ([CCAFS](#))
- Institute of Research for Development ([IRD](#)), France
- National Institute of Agronomic Research ([INRA](#)), France
- University of Vermont [Gund Institute](#), [Rubenstein School](#)

Agenda

Welcome and introduction	Lini Wollenberg , CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS), University of Vermont	18:30
Presentations	Facilitated by Abigaïl Fallot , Agricultural Research for Development (CIRAD)	18:35
Co-benefits of soil organic carbon	Cristina Arias-Navarro , National Institute for Agricultural Research (INRA), France, H2020 CIRCASA Project	18:36
Soil organic carbon in Nationally Determined Contributions (NDCs)	Liesl Wiese , 4P1000	18:48
Panel discussion	Facilitated by Viridiana Alcántara Cervantes , Federal Office for Agriculture and Food (BLE), Germany, 4P1000 <ul style="list-style-type: none">• Eleneide Doff Sotta, Ministry of Agriculture, Livestock and Food Supply, Brazil• Fahmuddin Agus, Indonesian Agency for Agricultural Research and Development, Intergovernmental Panel on Climate Change• Herwig Ranner, Directorate-General for Agriculture and Rural Development, European Commission	19:00
Discussion with audience	Facilitated by Viridiana Alcántara Cervantes , Federal Office for Agriculture and Food (BLE), Germany, 4P1000	19:30
Closing	Claire Weill , National Institute for Agricultural Research (INRA), France	19:55

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