



# BONARES

2018 Conference Berlin

Soil as a Sustainable Resource

26–28 February 2018 | **Save the date!**

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*Breaking new ground for sustainable management of soil functions along the frontiers of soil ecosystem research*

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This conference brings together researchers from various disciplines of soil science to discuss the functionality of soil ecosystems and how to develop strategies towards sustainable soil management. A sustainable bioeconomy requires integration of soil productivity with a wide range of other soil functions including nutrient cycling, carbon storage, water retention and filtering as well as being the habitat of a myriad of organisms and their activities. For sustainable soil management, we need to understand soils at a systemic level and to assess their value in a socio-economic framework.

To discuss frontiers of soil ecosystem research to outline a sustainable management of soil functions, we call for contributions to the following topics:

1. Impact of agriculture and cropping systems on soil functions and ecosystem services
2. Effects of plant – microbe – fauna interactions on soil functions
3. Nutrient and carbon dynamics within the root zone as affected by soil management
4. Soil structure and water dynamics as affected by soil management
5. New sensing technologies, soil monitoring approaches and related decision support systems for sustainable soil management
6. Assessment and governance for sustainable soil management
7. Linking data and models in soil science – Towards efficient workflows for data-model integration.

For details, please visit the conference website [www.bonares2018.de](http://www.bonares2018.de).