

We cordially invite you to submit your scientific contribution in form of abstracts to the topics stated below. Abstracts must be submitted online at www.som2015.org.

Deadline for abstract submission is 31 May 2015.

Major Topics

Session 1: Methods

- 1.1. Tracing old SOM by new tools
- 1.2. SOMics and isotopics
- 1.3. Biomarkers of soil fertility

Session 2: Processes & Interactions

- 2.1. Shoots and roots: from POM to SOM
- 2.2. Priming effects: Interactions between living and dead organic matter
- 2.3. SOM stabilization by organic mineral interactions
- 2.4. SOM turnover in hotspots
- 2.5. SOM under reduced conditions
- 2.6. Linking pools with fluxes
- 2.7. From terrestrial to aquatic ecosystems
- 2.8. Top-down: SOM in subsoil

Session 3: Relevance & Functions

- 3.1. C dynamics and sequestration under Global Change
- 3.2. Climate extremes, SOM transformations and biogeochemical cycles
- 3.3. SOM physical functions
- 3.4. From biochar and black carbon to stable SOM
- 3.5. From past SOM to paleoenvironment
- 3.6. SOM as key factor of soil and ecosystem productivity
- 3.7. Bottom-up: Modeling and extrapolations

Special Issues of the following Journals are planned:

- GEODERMA
- EUROPEAN JOURNAL of SOIL BIOLOGY

Venue
Georg-August-University Göttingen
Central Lecture Building
Platz der Göttinger Sieben 5 • 37073 Göttingen (DE)

Date
20–24 September 2015

Conference Chair
Yakov Kuzyakov
Soil Science of Temperate Ecosystems
Agricultural Soil Science
Georg-August-University Göttingen

Registration Fees*

	Early Bird Registration until 20 July 2015	Late Registration from 21 July 2015
Student**	295 EUR	345 EUR
Regular	415 EUR	465 EUR

* Registration fees include catering during coffee and lunch breaks.

** Please send a confirmation of your status either to: registrierung@conventus.de,
Fax +49 3641 31 16-244 or by mail to Conventus GmbH • indicating the keyword: SOM2015
Carl-Pulfrich-Strasse 1 • 07745 Jena (DE).

Social Program

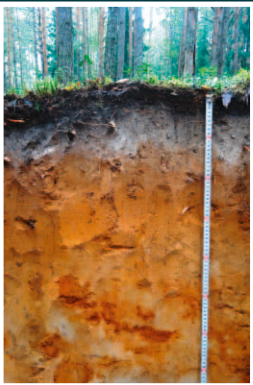
Icebreaker Party, 20 September	included
Social Tour, 21 September	30 EUR
Social Evening, 22 September	50 EUR

Congress Organizer

Conventus Congressmanagement & Marketing GmbH
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5th International SYMPOSIUM on SOIL ORGANIC MATTER



20–24 September

Göttingen, Germany



Preliminary Program

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Scientific Excursions

Excursion 1: Lowpeat-land in northeastern Lower-Saxony
Organizers: Christian Ahl, Martin Jansen (Göttingen, DE)

Excursion 2: Black soils around Halle/Saale
Organizers: Klaus Kaiser, Reinhold Jahn, Katja Wiedner
Bruno Glaser (Halle/Saale, DE)

Excursion 3: CarboZALF-D in Uckermark: Erosion and energy
crops for C dynamics
Organizers: Michael Sommer, Jürgen Augustin (Müncheberg, DE)
(among others)

For more information, please refer to the conference homepage
www.som2015.org.

Sponsors and Industrial Exhibition

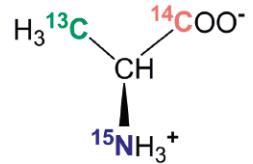
Scientific Sponsors



Stand: 16 February 2015

Industrial Exhibition

The international symposium will be accompanied by a specialized industrial exhibition. Interested companies are invited to request information on the exhibition modalities from the conference organization Conventus.





Dear colleagues,

Soil organic matter (SOM) is the most intriguing feature of soils and one of the most fascinating properties of terrestrial ecosystems.

SOM is the integrating parameter of soil fertility and stability of agricultural and natural ecosystems. Novadis, the key role of SOM in stability of global C cycle and greenhouse gas emissions raised studies connecting soils with atmosphere, hydrosphere and phytosphere – all of them with the focus on SOM. Despite SOM studies started hundreds years ago, and its static properties are known, we just starting to understand processes: formation and functioning, interactions and fluxes, processes and rates.

5th International Symposium on Soil Organic Matter 2015 is a follow-up to the meetings in Poitiers (France, 2007), Colorado Springs (USA, 2009), Leuven (Belgium, 2011), and Nanjing (China, 2013).

SOM 2015 will connect pools with fluxes, living and dead organic matter, organic and mineral compounds, topsoil and deep soil, experiments and modeling, terrestrial to aquatic ecosystems, dynamics and sequestration and surely the scientists investigating SOM from over the world. All this is necessary to elucidate Structure, Origin, Mechanisms of SOM formation and functioning.

We are looking forward to welcome you in Göttingen for this exciting event of the International Year of Soils 2015.

On behalf of the organizing committee,

Yakov Kuzyakov

In the afternoon
Opening registration and icebreaker party

Scientific Program • Monday, 21 September 2015

In the morning
Opening of SOM 2015

Rattan Lal (Columbus, Ohio/US)
The societal value of soil organic matter and the ecosystem services

Johan Six (Zurich, CH)
Drivers of soil organic matter stabilization: from the micro to the global scale

Parallel sessions:
1.1. Tracing old SOM by new tools I
2.1. Shoots and roots: from POM to SOM I
3.1. C dynamics and sequestration under Global Change I

In the afternoon
Parallel sessions:
1.1. Tracing old SOM by new tools II
2.1. Shoots and roots: from POM to SOM II
3.1. C dynamics and sequestration under Global Change II

Poster session I (with snacks and drinks)

Scientific Program • Tuesday, 22 September 2015

In the morning
Georg Guggenberger (Hannover, DE)
Organic matter storage and decomposition in permafrost soils

Parallel sessions:
1.2. SOMics and isotopic
2.2. Priming effects: Interactions between living and dead organic matter
3.2. Climate extremes, SOM transformations and biogeochemical cycles

In the afternoon
Susan Trumbore (Jena, DE)
How radiocarbon data fool us: and what we learn as a result

Parallel sessions:
1.3. Biomarkers of soil fertility
2.3. SOM stabilization by organic mineral interactions
3.3. SOM physical functions

Poster session II (with snacks and drinks)

In the morning
Davey L. Jones (Bangor, GB)
Rhizosphere carbon dynamics

Parallel sessions:
2.4. SOM turnover in hotspots
2.5. SOM under reduced conditions
3.4. From biochar and black carbon to stable SOM

In the afternoon
Yakov Kuzyakov (Göttingen, DE)
Microbial hotspots and hot moments in soil: Consequences for SOM turnover and stabilization

Parallel sessions:
2.6. Linking pools with fluxes
2.7. From terrestrial to aquatic ecosystems
3.5. From past SOM to paleoenvironment

Poster session III (with snacks and drinks)

Scientific Program • Thursday, 24 September 2015

In the morning
Timothy Eglinton (Zurich, CH)
Molecular ¹⁴C perspectives on organic carbon dynamics within soils and across present and past landscapes

Parallel sessions:
2.8. Top-down: SOM in subsoil
3.6. SOM as key factor of soil and ecosystem productivity
3.7. Bottom-up: Modeling and extrapolations

In the afternoon
James Prosser (Aberdeen, GB)
What can new approaches to microbial community analysis tell us about SOM dynamics

Johannes Lehmann (Cornell, WI/US)
Pyrogenic organic matter dynamics and management

Closing ceremony

