



wageningen soil conference

SOIL SCIENCE IN A CHANGING WORLD

“Be not astonished at new ideas; for it is well known to you that a thing does not therefore cease to be true because it is not accepted by many.”

– Baruch de Spinoza

SECOND CIRCULAR

Soil Science in a Changing World

23-27 AUGUST 2015

WAGENINGEN, THE NETHERLANDS

Mankind is facing unprecedented environmental changes in the 21st century. We are just beginning to grasp the magnitude of our impact on the global environment and the related risks for our societies. We have a choice to make changes to the impact we have and thereby partly control the environmental changes and its societal consequences.

In 2015, declared by the United Nations as the International Year of the Soil, Wageningen University would like to invite you to the second edition of the Wageningen Soil Conference. Both the success of the first Wageningen Soil meeting, with its thematic programming, and the recognition of the importance of the soil by the UN shows that there is a growing acknowledgement for the important role of soils in solving the problems of our time.

ABSTRACT SUBMISSION, PROCEEDINGS AND SPECIAL ISSUE

On the website you can submit your abstract (max 300 words). A selection will be invited to write a full paper for a special issue in the new Interactive Open Access journal of the EGU, **SOIL**. The full papers need to be delivered at the conference to allow the fast publication of the special issue. The extended abstracts of the keynotes will be published on the website before the conference. All abstracts will be published in the conference proceedings.

VENUE AND HOUSING

Wageningen City of Life Sciences, The Netherlands
Wageningen Campus, Orion building (Building 103)
Address: Bronland 1, Wageningen
Housing possibilities are offered on the website.

DEADLINE FOR ABSTRACTS

Deadline for abstracts:	23 March 2015
Replies to authors:	4 May 2015
Deadline for extended abstracts keynotes:	27 July 2015
Deadline for full papers (only for those invited):	28 August 2015



Climate change.
Food security.
Water resources.
Biodiversity.
Land Functions.

Not issues that provoke vivid images of soil scientists contributing to solutions to mitigate these problems. These solutions are addressed, however, by many scientists participating in multidisciplinary think tanks. But soil scientists have kept a remarkably low profile in these discussions and think tanks. In this conference we will discuss the importance of soils and soil science for combating the problems we are facing around the globe.

During the meeting we will address the importance of soil scientific knowledge for global issues. We want to address these topics in a dynamic way, by top key-note speeches, challenging debates, inspiring workshops and master classes as well as oral and poster presentations by participants.

The Wageningen Soil Meetings aim to provide a platform for:

- Sharing knowledge of soils across the world and across science
- Engaging in interdisciplinary exchanges of ideas, thoughts, and opinions
- Thinking out of the box and being innovative and creative

SCIENTIFIC PROGRAM

With this conference we want to emphasize the importance of soil science for combating and mitigating the challenges of our time: food security, water resources, climate change, land functions, ensuring biodiversity and how to govern these issues and create policy for taking effective measures.

This will be the second edition of a new scientific soil conference series entitled Wageningen Soil Conference (formerly Wageningen Conference on Applied Soil Science). We have chosen a thematic approach instead of the



disciplinary organisation of most conferences. At the Wageningen Soil Meeting each conference day will be divided into two thematic parts. Each part will cover one of the global issues that will be addressed during the conference. The session will start with two key-note speeches followed by a lively debate between the two keynote speakers. The content of both keynote speeches will be available for all prior to the conference through the conference website and in the conference proceedings book.

The second part of each session will be organised in parallel sessions. Participants can choose to participate in a workshop or master class or attend one of the oral presentation sessions. In the program ample time will be allocated for poster contributions.

CONFERENCE PROGRAM

SUNDAY, AUGUST 23

Ice breaker (with early registration): drinks and bites in Loburg Café, Wageningen City Centre from 18.00 – 19.30.

MONDAY, AUGUST 24

Morning session: Food Security

- Soil productivity/fertility
- Soils and micro-nutrients
- Organic matter and soil productivity
- Soil Information to feed the world



CHAIR Pablo Tittonell KEYNOTES Bernard Vanlauwe, Deborah Bossio

Afternoon session: Water resources

- Water harvesting in dry lands
- Scaling soil-hydrological functions
- Soils as physical and chemical filters
- Optimizing water-use efficiency



CHAIR Artemi Cerdà KEYNOTES John Quinton, Günter Blöschl

TUESDAY, AUGUST 25

Excursions and Conference dinner

The exact program is still under construction. The options include:

- Excursion to the National Park Hoge Veluwe where management and research on wind erosion will be highlighted, followed by an afternoon visit to the Kröller Mullermuseum which hosts many (landscape) paintings of Dutch masters such as Van Gogh.
- A bus geological excursion through west and middle part of the Netherlands where the geological features of the Netherlands will be shown.
- A tour of the Wageningen campus, including some laboratories and the World Soil Museum.

- Soilscape Wageningen: a field trip to discover the diversity of soils and landscapes around Wageningen.

On this day, we will also provide room for groups to work together instead of going on a field trip. During the first edition of the Wageningen Soil Meeting, such group collaboration resulted in the launching of the Global Soil Biodiversity Initiative (www.globalsoilbiodiversity.org).

20.00 Conference dinner

WEDNESDAY, AUGUST 26

Morning session: Governance & Policy

- Soil Science and the Millennium Development Goals
- EU Water & Soil directives: policy driven soil research
- UN convention to combat desertification
- Soils in Horizon 2020



CHAIR Luca Montanarella KEYNOTES Ronald Vargas, Gerda Verburg

Afternoon session: Biodiversity

- Land use change and soil biodiversity
- Climate change and soil biodiversity
- Soil DNA-repository
- Soil contamination and soil eco-system functions



CHAIR Lijbert Brussaard KEYNOTES George Kowalchuk, Laurent Philippot

THURSDAY, AUGUST 27

Morning session: Land Functions

- Combating the loss of fertile soil
- Desertification
- Consequences of land use change
- Cascading carbon transport



CHAIR Violette Geissen KEYNOTES Gerard Govers, Nicki Whitehouse

Afternoon session: Climate Change

- Carbon sequestration
- Soil respiration and GHG emissions
- Changing farmers best practices
- Waterproof deltas



CHAIR Karsten Kalbitz KEYNOTES Ingrid Kögel-Knabner, to be announced



SCIENTIFIC COMMITTEE

Chair: Prof. dr. Jakob Wallinga (Wageningen University, NL)

Prof. dr. Lijbert Brussaard (Wageningen University, NL)
Prof. dr. Peter de Ruiter (University of Amsterdam, NL)
Prof. dr. Wim van der Putten (Royal Dutch Academy of Sciences, NL)
Prof. dr. Richard Bardgett (University of Lancaster, UK)
Dr. Artemi Cerdà (University of Valencia, ES)
Prof. dr. Rob Comans (Wageningen University, NL)
Prof. dr. Mike Kirkby (University of Leeds, UK)
Prof. ing. Nunzio Romano (University of Napoli, IT)
Prof. dr. Richard Brazier (University of Exeter, UK)
Prof. dr. Pablo Tittonell (Wageningen University, NL)
Dr. Edmundo Barrios (ICRAF/CGIAR, KE)
Prof. dr. Irene Cardoso (University of Viçosa, BR)
Prof. dr. Paul Mapfumo (University of Zimbabwe, ZW)
Dr. Jean-Luc Chotte (IRD, FR)
Prof. dr. Karsten Kalbitz (Technical University Dresden, DE)
Dr. Peter Hernes (University of California, USA)
Dr. Jennifer Dungait (Rothamsted Research, UK)
Prof. dr. Pete Smith (University of Aberdeen, UK)
Dr. Violette Geissen (Wageningen University, NL)
Dr. Erik Cammeraat (University of Amsterdam, NL)
Prof. dr. Andreas Lang (University of Liverpool, UK)
Ir. Rik van den Bosch (ISRIC-World Soil Information, NL)
Dr. Luca Montanarella (EU-JRC, IT)
Prof. dr. Johan Bouma (Wageningen University, NL)
Prof. dr. Mark Kibblewhite (Cranfield University, UK)

REGISTRATION AND CANCELLATION

Registration opens January 26. The registration costs include a delegates pack containing the proceedings, and lunches and refreshments during the meeting. You can indicate if you want to join an excursion or the conference dinner.

Cancellations should be forwarded to us only in a written form (e-mail to wageningensoilmeeting@wur.nl).

Up to June 1, 2015: no cancellations fees would be applied.

From June 1, 2015 through August 1, 2015: 50% of fee.

After August 1, 2015: no refund.

CONTACT INFORMATION

Environmental Sciences Group, Wageningen UR.

Organizing Committee:

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COSTS

Full participation	€450
Student participation	€200
Single day participation	€250
Conference dinner	€25
Excursion	€40

SIDE EVENT

60th Anniversary WEPAL

The Wageningen Evaluation Programme for Analytical Laboratories exists 60 years. They organize a special scientific session and they host an afternoon reception with drinks in their lab.



2015
International
Year of Soils