

# AquaConSoil Antwerp 2019

## Sustainable Use and Management of Soil, Sediment and Water Resources

15<sup>th</sup> International Conference | 20–24 May 2019 | Antwerp, Belgium | DEADLINE ABSTRACT SUBMISSION: Thur 15 Nov. 2018



### Abstract submission:

#### PRESENTATION IN A REGULAR THEMATIC SESSION

Oral presentations (15 min + 3 min of discussion) in Thematic Sessions; thematic sessions consist of 5 presentations. Please visit the website for online submission.

### Abstract submission:

#### POSTER PRESENTATION

Poster presentations: Poster will be on display during all conference days. You will be invited to pitch your poster at the conference. Please visit the website for the online submission form.

### Abstract submission:

#### FULL FREE SESSION PROPOSAL

The Programme Committee will also select proposals for complete sessions. The duration of a session is 90 minutes. The layout of the program of a session is free but should be different from the layout of regular thematic sessions (e.g. it is possible to have more time for discussion). Interactive session set up is encouraged.

If you want to submit a proposal for a full session, please provide also an abstract (you will also be asked for the talks to be given in your session.)

The Programme Committee can only review complete submissions. That includes the following:

Title of the session,

- Organizers of the session (names and affiliation),
- Contact person (name and contact details),
- To which ACS (sub)theme does the session link?
- Main idea of the session for the programme: explain per activity the content, such as topics, and the form – e.g. presentation, discussion by panel/audience etc. (abstract, 3,200 signs)
- Names of presenters and titles of presentations.

### POST CONFERENCE PUBLICATION OPPORTUNITIES

Authors of accepted abstracts (all presentations and posters) will be invited to submit a paper for the conference proceedings.

Presenters will also be invited to submit a (scientific) manuscript for the AquaConSoil Special Issue of Science of the Total Environment journal.

#### CONFERENCE CHAIRMAN

Prof. dr. ir. Huub Rijnaarts | Wageningen University, NL

#### PROGRAMME COMMITTEE

##### Hosting Consortium

- Johan Ceenaeme (Nele Bal) | OVAM, BE
- Ilse Van Keer (Johan Gemoets) | VITO, BE
- Wouter Gevaerts | Arcadis Belgium, NICOLE, BE
- Jan Haemers | Haemers Technology, BE

##### Members

- Renato Baciocchi | University of Rome Tor Vergata, IT
- Frederic Coulon | Cranfield University, UK
- Nathalie Dörfliger | BRGM, FR
- Dietmar Müller-Grabherr | COMMON FORUM, AT
- Richard Lord | University of Strathclyde Glasgow, UK
- Nora Sutton | Wageningen University, NL
- Thomas Track | Dechema, DE
- Nina Tuxen | Capital Region of Denmark, DK
- Marc Viñas | IRTA, ES

### CONTACT

For questions about the scientific programme, please contact Ms Linda Maring – coordinator programme committee – aquaconsoil@deltares.nl

For organizational questions, please contact

Ms Hilde Feldmann & Ms Christiane Wolf  
F&U confirm, Permoserstr. 15, 04318 Leipzig, Germany  
phone: +49 341 • 234-2264, fax: -2782  
e-mail: aquaconsoil@fu-confirm.de

### AQUACONSOIL 2019 THEMES & TOPICS | detailed topic description: <http://www.aquaconsoil.org/topics.html>

#### 1. Soil and water in the digital world

- 1a) Big data, smart data combinations
- 1b) Artificial intelligence (e.g. machine learning, data treatment, forecasting/trends, etc...), internet of things and block chain
- 1c) New technological developments (use of drones, smart sensors, participatory monitoring by smartphones / twitter, etc...)

#### 2. Advances in assessment of risk and monitoring of soil, sediment and water quality

- 2a) Advances in sampling, monitoring techniques and methods (e.g. molecular bio indicators, online monitoring tools, etc...)
- 2b) Analysis techniques (e.g. screening, non-target analysis, etc...)
- 2c) Soil-sediment-water interaction and system dynamics
- 2d) Human and environmental health risk assessment

#### 3. Diffuse and emerging contaminants in the soil-sediment-water system

- 3a) Sampling and analysis of diffuse and emerging contaminants
- 3b) Risk assessment and strategies for prioritization and monitoring of diffuse and emerging contaminants
- 3c) Reactive interfaces: unsaturated zone, sediments and groundwater
- 3d) Policy strategies and governance of diffuse and contaminants of emerging concern

#### 4. Advances in remediation technologies

- 4a) Bio-, nano-, and chemical remediation
- 4b) Physical, thermal and stabilization techniques
- 4c) Combined treatment technologies and technology trains

- 4d) Phytoremediation and ecological engineering and nature based solutions
- 4e) Post-treatment monitoring in relation to long term site management

#### 5. Strategies and management of contaminated land including legal, social and economic aspects

- 5a) Legal and economic aspects of the management of contaminated land
- 5b) Remediation goals and strategies
- 5c) Sustainability and socio-economic evaluation and public perception related to remediation, including societal participatory approaches
- 5d) Managing large scale industrial and agricultural pollution (water soil energy food nexus)

#### 6. Land stewardship

- 6a) Valuations of soil-sediment-water systems: natural capital accounting, ecosystem service assessment and socio-economic cost benefit analysis
- 6b) The role of soil, water and sediment in relation to societal challenges and UN Sustainable Development Goals
- 6c) Sustainable spatial planning of land and the subsurface, balancing rural-urban systems
- 6d) Public perception and behaviour in relation to soil and water

#### 7. Land, soil, water and sediment in the circular economy

- 7a) Circular land use and brownfield regeneration
- 7b) Reuse and upgrading of soil, sediment and water and their products; recovery of valuable resources; improving ecological functioning
- 7c) Nature based solutions: effectiveness for long term ecosystem services for soil and water

### CALL FOR ABSTRACTS FOR ORAL & POSTER PRESENTATIONS & FREE SESSIONS

The Programme Committee cordially invites those who wish to contribute to the conference to submit an abstract for an oral presentation for the regular Thematic Sessions, a poster presentation or a proposal for a Free Session.

Abstract and Free Session proposal submission is online now, please see the conference webpage <http://www.aquaconsoil.org/>

During online submission, please copy your abstract into the text box provided (max. 3,200 signs incl. spaces).

Deadline for abstract submission: Thursday, 15<sup>th</sup> November 2018. Authors will be informed about the abstract selection in February 2019.

