



TERRA ENVISION

Barcelona, 29 January-1st of February 2018
(Pre-conference Excursion January 25th-28th 2018)

TERRAenVISION Environmental Issues Today: Scientific Solutions for Societal Issues

Our Planet suffers from human activities. As scientists, we know more and more about our environment, about processes, rates of change, new threats and risks. However, the challenges seem to grow quicker than the solutions we can create.

This conference aims to focus on the scientific research towards finding solutions for the societal issues of our time. TERRAenVISION promotes interdisciplinary collaboration and networking. To bring scientists and stakeholders that have the same goal, work on the same societal issue, but have different scientific backgrounds. By bringing the people and their knowledge together, we may be able to take the steps towards solutions that can bring our society to a more sustainable situation. In this conference, we want to link to International policies such as the sustainable Development Goals, the UN Climate conventions, CAP and COP.

Environmental issues we would like to highlight and discuss:

This conference is framed around themes. Each theme is kicked off by two plenary keynote speeches of 20 min, followed by a discussion. After the plenary session, a range of different parallel sessions will be organised.

We also want to stress that the conference is not only for scientists, but also warmly would like to invite people from outside the scientific world.

The themes:

1. Climate change: Mitigation and Adaptation
2. Water Resources: Quality and Quantity
3. Land Degradation and Restoration
4. Erosion processes and nature based solutions
5. Fire in the earth system, effects and prevention
6. Ecosystem services and nature conservation
7. Science interface: with policy and public



SCIENTIFIC PROGRAM

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The session descriptions can be found [HERE](#) or follow this link:
https://docs.google.com/document/d/1L6yM1IRi0HrSRCW140E-3hosyKDzkqhonB_m3yOcj2w/edit?usp=sharing

Day 1: early afternoon: Opening talk by Damià Barceló

Introduction by the OECD officer

Day 1 afternoon: climate change: mitigation and adaptation

Keynotes: Pete Smith and Carolien Kroese

Sessions:

- Greenhouse gas removal through carbon sequestration in vegetation and soils (Pete Smith)
- Organic matter, the key to climate change mitigation? (Heike Knicker)
- Impacts of climate change on soils in drylands: recent advances and challenges ahead (Fernando T. Maestre, César Plaza and Carlos García)

Day 2 morning: water resources: quality and quantity

Keynotes: Sergi Sabater and Gary Sheridan

Sessions:

- Analysis and Fate of Emerging Contaminants in Water, Soil and Plants. (Damià Barceló and Yolanda Pico)
- Data-mining and methods for modeling and assessing state and fate of soil water (Ioannis Daliakopoulos)

Day 2 afternoon: land degradation and restoration

Keynotes: Artemi Cerdà and Saskia Visser

Sessions:

- Land degradation and restoration: the State of the Art (Artemi Cerdà and Tani Taguas)
- Course on Landscape restoration with the 4 returns approach (Simon Moolenaar)
- Landscape Based Urban Adaptation: developing a systemic view on climate resilient cities (Gerben Mol, Hasse Goosen)
- Urban land management challenges (Sandra Boekhold)

Day 3 morning: erosion processes: nature based solutions

Keynotes: Panos Panagos and Zahra Kalanthari

Sessions:

- Nature-based solutions for environmental, social and economic challenges (Zahra Kalanthari, Carla S.S. Ferreira, David C. Finger, Saskia Keesstra)
- Modelling erosion by water (Panos Panagos)
- Connectivity in hydrology and sediment dynamics: concepts, measuring, modelling, indices and societal implications (Saskia Keesstra)

Day 3 afternoon: ecosystem services and agriculture

keynotes: Peter de Ruiter and Eric Brevik

Sessions:

- Mapping for sustainability (Paulo Pereira, Anna Brook, Igor Bogunovic, Juan Martinez-Murillo, Sebastiano Trevisani)
- Grazing as a management tool to build cultural landscapes (Manuel Pulido, Miguel Cortés Tamayo, Ali El-Keblawy and Tobias Plieninger)

- A biophysical and socio-economic approach to the fate of the Terroir (Jesús Rodrigo Comino; Serge Delrot; Gregory V. Jones; Stefanos Koundouras)

Day 4 morning: fire in the earth system, effects and prevention

Keynotes: Stefan Doerr and Marc Castellnou

Sessions:

- Fire effects on fluxes in the landscape (Stefan Doerr)
- Wildfires in urban area (Anna Brook, Lea Wittenberg)
- Effects of pre- and post-fire management on vegetal recovery (Marcos Francos, Paulo Pereira and Xavier Úbeda.

Day 4 afternoon: Science interface: with policy and public

Keynotes: Luca Montanarella and Lucrezia Caon

Sessions:

- Policy actions to implement the Voluntary Guidelines for Sustainable Soil Management and prevent and minimize soil contamination (Lucrezia Caon, Luca Montanarella and Ronald Vargas)
- Sustainable Development Goals and Soil policy and practical implementation (Margot de Cleen and Co Molenaar)
- Stakeholder interaction and innovative governance arrangements in sustainable (rural and urban) development (Sandra Boekhold)

Day 5 (morning): closing keynote by Antoni Ginebreda: connecting science to society on environmental risk with a debate on way ahead for 2018 with facilitator

CALL FOR ABSTRACTS

The conference is now open for abstract submission; the submission is free of charge. Indicate in the form to which session your abstract is linked.

To upload your abstract please click on the following link: [ABSTRACT SUBMISSION FORM: \(https://docs.google.com/document/d/1ojopRUPBYVQknoXCrBTXEdzYPmvo6EBxR2FQH1LleI/edit?usp=sharing \)](https://docs.google.com/document/d/1ojopRUPBYVQknoXCrBTXEdzYPmvo6EBxR2FQH1LleI/edit?usp=sharing)

Once filled, send to: envision.one18@gmail.com

DEADLINES and REGISTRATION:

1st December: Abstract deadline for oral presentations

22nd of January: Abstracts deadline for poster presentations

Abstract fee: free

REGISTRATION

Registration fees (VAT 21% included)

Category	Early registration fee (until December 1, 2017)	Regular Registration fee (from December 2, 2017)
Full participant	350 €	450 €
Student	200 €	300 €
Retired scientist	200 €	300 €

In order to register fill the following on line form, where you will find all the information related with payment:

[ON LINE REGISTRATION FORM](https://www.activacongresos.com/forms/terraenvision2018/) (<https://www.activacongresos.com/forms/terraenvision2018/>)

If you have any questions, please do not hesitate to contact us: envision.one18@gmail.com

VENUE:

Conference will be held in Barcelona, at the University of Barcelona.
Department of Geography and Regional Research
University of Barcelona
Carrer de Montalegre, 6-8
08001 Barcelona
Catalunya, Spain

Preconference tour: Mediterranean environmental issues (4 days)

Guided by Artemi Cerdà

January 25th, 2017: Departure from Valencia at 8:00. The landscape of abandoned terraces

January 26th, 2017. The role of fire in Mediterranean ecosystems

January 27th, 2017. Agriculture. Vineyards and Citrus. Include wine and orange tasting

January 28th, 2017. The city of Valencia and surroundings and Departure to Barcelona

Each day include a trekking of 3 hours

400 € includes 3 nights accommodation in double room, meals and transport for four days. 500 € in a single room.

Please contact the organiser if you are interested in this trip: artemio.cerda@uv.es

We welcome you in Barcelona

Organising committee: Saskia Keesstra, Damía Barceló, Xavi Úbeda