


8th EUREGEO

Barcelona | Catalonia | Spain | June 15th - 17th 2015

EUropean Congress on REgional GEOscientific Cartography and Information Systems



Geological 3D Modelling

and

Soils: functions and threats



second circular and call for papers



8th European Congress on Regional Geoscientific Cartography and Information Systems

Geological 3D Modelling and Soils: functions and threats

Welcome of the Organising Committee

The Organising Committee of the 8th European Congress on Regional Geoscientific Cartography and Information Systems (EUREGEO) is pleased to welcome you to the eightth conference which will be held in Barcelona from June 15th to 17th, 2015. It continues the dialogue started in 1994 by the European Regions of Bavaria, Catalonia and Emilia-Romagna, the Joint Research Centre (EC) and EuroGeoSurveys. Again, it shall serve as a platform for experts from regional and national geological surveys, from universities, research institutes and from the economy, building a bridge between scientific research and practical application.

If the 6th EUREGEO (Munich, 2009) contributed to the celebration of the International Year of Planet Earth, this edition supports the celebration of the International Year of Soils, declared by the General Assembly of the UN to increase awareness and importance of soil for food security and essential ecosystem functions.

Reflecting the current importance of two major applied geoscientific issues, this 8th EUREGEO congress focusses on Geological 3D modelling and on Soil functions and threats.

Welcome of the Local Organizing Committee

On behalf of the Local Organising Committee, we would like to take this opportunity to express our most warm welcome to all of you to the 8th EUREGEO at the Casa de Convalescència, in Barcelona.

The EUREGEO'2015 will bring together geoscientists and technicians from Geological Surveys, Research Centres and Academics under the themes of Geological 3D Modelling and Soils. The participation and discussion in the sessions will encourage exchange of ideas and sharing experiences among the participants. Two post-congress fieldtrips, from June 17 to June 19, 2015 to the world class geological natural laboratory of the Southern Pyrenees will allow the participants to visit and enjoy some of the most relevant geologic and pedologic features in an area famous by its spectacular exposures and landscapes.

Additionally, the delegates will have the opportunity to visit the host city, Barcelona, which is one of the favourite tourist destinations in Southern Europe. In addition to its culture and exquisite architecture, the town has much to offer to the conference delegates.

Finally, we would like to welcome you to this conference which will be a milestone event in the new stage of the Cartographic and Geologic Institute of Catalunya. We hope that you will join us for what promises to be a stimulating and rewarding experience.

Scientific Program

Oral and poster contributions will cover two themes:

Geological 3D Modelling

COORDINATOR: Gerold Diepolder (LfU)
CONVENERS: Holger Kessler (BGS), Magdalena Bottig (GBA), Josep Anton Muñoz (UB)

Geology by nature is a three-dimensional science. 3D geological models are the obvious extension of traditional 2D geological maps into the third dimension, portraying subsurface layers, structures, and properties within a 3D volumetric space. 3D models are created by combining geological data, a sound geological interpretational knowledge and mathematical methods.

During the past decade geological surveys and academia have made considerable efforts in applying existing technologies to create 3D models for a wide range of geoscientific issues. However, the results have mainly been deployed and maintained in proprietary formats and in IT environments. With the improvement of web visualization and database tools it is now possible to interconnect and integrate proprietary models from different sources and to provide them to a wider audience of customers, even beyond the geoscientific community.

Topics

- Towards a transnational geo data infrastructure – from isolated applications to cross-border interoperability.
- How to integrate the academic research.
- From external sources to external users: Emerging solutions to overcome technological and cultural barriers.

Soils: functions and threats

COORDINATOR: Luca Montanarella (JRC)
CONVENERS: Ana Paya-Pérez (JRC), Panos Panagos (JRC), Rosa M. Poch (UdL)

With the aim to increase awareness and understanding of the importance of soil for food security, and its essential ecosystem functions, the 68th UN General Assembly declared 2015 the International Year of Soils (IYS) (A/RES/68/232). The Food and Agriculture Organization (FAO) of the United Nations has been nominated to implement the IYS 2015, within the framework of the Global Soil Partnership and in collaboration with Governments and the secretariat of the United Nations Convention to Combat Desertification.

Topics

Soil Contamination:

- CONVENER: Ana Paya-Pérez (JRC)
- Diagnostics and Methodologies for assessing soil contamination.
 - Technologies and case studies on restoring contaminated sites.
 - Socio-economic and environmental processes in the management of contaminated sites.

Soil Erosion:

- CONVENER: Panos Panagos (JRC)
- Strategies to mitigate restore and manage soil erosion.
 - Modelling soil erosion processes, achievements and challenges.
 - Developments in map design and cartographic visualization of soil erosion.

Soil Mapping:

- CONVENER: Rosa M. Poch (UdL)
- Advances in digital soil mapping.
 - Proximal soil sensing for precision agriculture.
 - Soil quality assessment.
 - Survey and mapping for soil carbon inventories.



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Congress Schedule

Monday, 15th June

15.00 - 16.00 Registration
16.00 - 18.00 Opening Session
18.00 - 19.00 Icebreaker

Tuesday, 16th

08:30 - 13:00 Morning Sessions
15:00 - 18:30 Afternoon Sessions

Wednesday, 17th

08:30 - 13:00 Morning Sessions
13:00 - 13:30 Closing Ceremony

Field trips

From Wednesday 17th to Friday 19th, two optional post-congress fieldtrips are planned to the Southern Pyrenees in the spectacular Tremp area, a world class natural laboratory for Geology and Southern Pyrenean Soils.

Field trip on Regional Geology, will allow the participants to enjoy some of the most relevant structural and stratigraphic features of the Southern Pyrenees and their connection to their 3D modelling.

Field trip on Soils, will provide a unique opportunity to enjoy some of the most relevant Southern Pyrenean soil features on selected sections, showing their relations to the geological, landform and climatic parameters and their relations with the vineyards in the region.

Departure from Barcelona: Wednesday 17th of June, afternoon.

Return to Barcelona: Friday 19th of June. Arrival to the airport is scheduled at 11:00h.

Field trip fees

Fee for each field trip is **280** €, including guidebook, ground transportation, accommodation and meals.

Please check the Congress webpage

<http://www.igc.cat/euregeo2015>
for detailed information.

Social Dinner

A Social Dinner is scheduled on Tuesday 16th at 20:30h. Please note that dinner registration is needed. Cost is **35** € per person.

Hosted meetings

The June 2015 Executive Committee of Eurogeosurveys will be held in Barcelona during the days of the Congress.

Information about contributions

Time slots for oral presentation are 15 minutes plus 5 for discussion. A permanent poster exhibition is planned from 15th to 17th of June. Participants interested on contributing with an oral or poster presentation are invited to submit their contributions before the 13th of March 2015.

Authors proposing an oral or poster presentation are requested to use the abstract template
http://www.igc.cat/web/files/euregeo2015_template.dot.
Contributions are limited to 2 pages A4, including tables, figures and references.

Publication

Congress Proceedings

After a review by the Scientific Committee, the authors will be notified on acceptance or rejection by 17th April 2015. Accepted abstracts will be published on the Congress Proceedings in pdf format under Creative Commons License (CC BY-NC-ND 4.0), and will be downloadable from the ICGC website as the official publication of the EUREGEO 2015.

Languages

Congress language will be English.

Registration fees

To register, please use the **on-line form** available at the **congress website**.

Congress fees:

Senior participants:

150 € Before 29th May, 2015.
200 € After 29th May, 2015.

Students:

50 € Deadline for students registration, 17th April, 2015

Please note that due to the capacity of the conference rooms, student attendance will be limited to 20 Master degree, Doctoral or Postgraduate courses.

Congress fees include:

- Full access to the sessions.
- Congress documentation.
- Coffee breaks at the Poster exhibition area.
- Opening, Icebreaker, Closing and Farewell ceremonies.

Field trips fee:

280 € Deadline for fieldtrips registration is 29th May, 2015.

Social Dinner fee:

35 € per person.

Payment

Fees payments can be made using bank transfer or credit card (Visa, MasterCard and Eurocard).

For any queries regarding registration, contact to:

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Deadlines

February 2nd, 2015	Open registration and call for abstracts	May 29th, 2015	End of registration at reduced fee
March 13th, 2015	Deadline for submission of abstracts		End of field trips registration
April 17th, 2015	Information regarding accepted contributions		Third circular
		June 15th - 17th, 2015	Congress
		June 17th - 19th, 2015	Field trips



Freistaat Bayern



Regione Emilia-Romagna



Catalunya



Promoting Committee

Artur Mas	President of the Government of Catalonia.
Santi Vila	Minister of Territory and Sustainability of the Government of Catalonia.
Stefano Bonaccini	Presidente della Regione Emilia-Romagna.
Paola Gazzolo	Assessore alla difesa del suolo e della costa, protezione civile e politiche ambientali e della montagna. Regione Emilia-Romagna.
Horst Seehofer	Bayerischer Ministerpräsident.
Ulrike Scharf	Bayerische Staatsministerin für Umwelt und Verbraucherschutz.

Organising Committee

Generalitat de Catalunya	Antoni Roca Xavier Berástegui
Freistaat Bayern	Claus Kumutat Roland Eichhorn
Emilia-Romagna	Raffaele Pignone Michela Grandi
European Commission	Luca Montanarella
EuroGeoSurveys	Luca Demicheli

Scientific Committee

Michela Grandi	Geological, Seismic and Soil Survey, Regione Emilia-Romagna
Roland Eichhorn	Bavarian Environment Agency. Geological Survey
Xavier Berástegui	Cartographic and Geological Institute of Catalonia

COORDINATION

GEOLOGICAL 3D MODELLING: Gerold Diepolder (Bavarian Environment Agency, LfU)
SOILS: FUNCTIONS AND THREATS: Luca Montanarella (Joint Research Centre- European Commission; JRC)

CONVENERS

Magdalena Bottig (Geologische Bundesanstalt Austria; GBA), **Holger Kessler** (British Geological Survey; BGS), **Josep Anton Muñoz** (University of Barcelona, Catalonia; UB), **Panagiotis Panagos** (Joint Research Centre-European Commission; JRC), **Ana Paya Pérez** (Joint Research Centre-European Commission; JRC), **Rosa M. Poch** (University of Lleida, Catalonia; UdL)

Venue

Casa Convalescència. Sant Antoni M^a Claret, 171 – 08041 Barcelona

Local Organising Committee

Carme Puig, Jorge Fleta and Eulàlia Pujal

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www.igc.cat/euregeo2015