



**Digital Soil
Mapping
Working
Group**

Soil Mapping for Sustainable Land Use Planning

3rd JOINT WORKSHOP ON DIGITAL SOIL MAPPING & GLOBAL SOIL MAP



21st - 24th January 2025
Bengaluru, India

**ICAR-National Bureau of Soil Survey
and Land Use Planning, Nagpur**



in association with

Indian Society of Soil Survey and Land Use Planning (ISSLUP), Nagpur
The International Working Group of Digital Soil Mapping &
The International Working Group of GlobalSoilMap



ABOUT THE CONFERENCE

This international conference is a joint effort of two working groups of the International Union of Soil Science (IUSS) commission “pedometrics”, namely the Digital Soil Mapping Working Group (DSMWG) and the GlobalSoilMap working group (GSM WG).

Digital Soil Mapping (DSM) is a process to generate spatial soil information integrating soil data with environmental information using (geo) statistical and machine learning approaches. The key issues of digital soil mapping include the adoption of new mapping tools and techniques, data management systems, innovative delivery of soil data, and methods to analyse, integrate, and visualize soil and environmental datasets. It has been further extended to Digital Soil Assessment that provide examples and methods for using the generated maps for various land management purposes. The DSM working group meets every two years once in different locations. Previous examples are 2016 – Aarhus (Denmark), 2014 – Nanjing (China), 2012 – Sydney (Australia), 2010 – Rome (Italy), 2008 – Logan (Utah, USA), 2006 – Rio de Janeiro (Brazil), 2004 – Montpellier (France).

The aims of the GlobalSoilMap working group (GSM WG) are i)To update the specifications of the GlobalSoilMap project for producing fine grids of soil properties, ii)To conduct research activities about the methodologies to predict these properties, iii)To provide assistance and training, iv)To report progress to the IUSS.

The GlobalSoilMap working group had two dedicated conferences: Orléans (France) 2013 and Moscow (Russia) 2017. The first two joint workshops of the two working groups were organized in Santiago (Chile) and Orléans (France) in 2019 and 2023 respectively.

KEY TOPICS FOR THIS JOINT WORKSHOP

Advances in Digital Soil Mapping:

- Advances in soil mapping and Land Resource Inventory
- Data collection and processing of soil data, soil and environmental sampling optimization and links to Spectroscopy and spectral library
- Applied statistics for DSM including upscaling and downscaling
- Uncertainty estimation and propagation

DSM and digital soil assessment:

- Soil information for environmental modelling and management
- Soil organic carbon mapping; carbon sequestration, modelling and forecasting
- Soil degradation and links with other issues (water, air, biosphere, human health)
- Soil functions and ecosystem services mapping, soil security mapping
- Soil mapping for sustainable land use planning

Global Soil Map project:

- Advances
- Specifications and requirements
- National scale examples
- Integration of local data into global product
- Harmonisation issues

REGISTRATION FEE

	Early bird	Normal
International Delegates	\$450	\$500
International Students	\$250	\$300
Accompanying person	\$200 (Foreign)	
National Delegates	Rs. 10000	Rs. 12000
Indian Students	Rs. 4000	Rs. 5000
Accompanying person	RS. 6000 (National)	

Registration fee includes: Conference kit, access to Conference sessions, daily Conference lunches and specified dinners. Students are required to produce a valid identity card/ certificate from their Supervisor/Institute for the student discount

Payment of Registration fee: Please visit <https://dsm2025.eventsdashboard.in/> for registration and confirm your registration by payment of non-refundable registration fee through electronic payment.

Submission of ABSTRACTS:

Abstracts are invited on any of the key topics. The abstracts should be submitted through online abstract submission system

<https://dsm2025.eventsdashboard.in>

International Scientific committee will review the abstracts and decide about the nature of presentation (oral/poster) and you will be informed about the acceptance of the papers.

Important Dates:

Abstract Submission	Aug 1, 2024
Acceptance of Abstracts	Sep 1, 2024
Registration (Earlybird)	Oct 1, 2024

Weather

The weather of Bangalore in January is mildly cool and pleasant. The temperatures are between 21°C and 32°C.

VISA Information

All foreign nationals visiting India are required to possess a valid International travel document in the form of a National Passport with a valid visa. All individual visa seekers are advised to apply for the Indian visa, through online application link. For details please visit <https://indianvisaonline.gov.in>. However, a letter from organizers for visa shall be issued on request from individual after acceptance of abstract or confirmation of participant intending to participate in conference. The participant should provide complete address with proof and copy of passport/passport number etc.

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Laura Poggio	Chair IUSS Working group, Digital Soil Mapping
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Alessandro Samuel Rosa	Vice-chair IUSS Working group in Digital Soil Mapping
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Cecile Gomez	LISAH, IRD, INRAE, Montpellier, France

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VENUE

**This Workshop will be organised in
Gokulam Grand Hotel,
Jalahalli, Bengaluru North, Bengaluru, Karnataka 560054**