



SEMINAR CS4

# World Soil Day

5 December 2024  
Grandori Room – bld.4  
Politecnico di Milano  
Piazza Leonardo da Vinci 32

**Introduce**

Riccardo Barzaghi

**Moderators**

Paola Gattinoni  
Chiara Corbari  
Massimiliano Cremonesi

**14.00-14:40 Federica Cotecchia**

Politecnico di Bari  
Diagnosis and control of soil-vegetation-atmosphere interaction  
for landslide risk mitigation

**14.40-15:20 Marco Falconi**

ISPRA  
European legislation, monitoring and projects on contaminated soil

**15.20-15:30 Malvina Ongaro**

The causes of a disaster:  
mechanisms, omissions, and difference-making

**15.30-15:40 Alessandro Ceppi**

SOL40: Forty Years of Simulations under Climate and Land Use  
Change

**15:40-15:50 Govoni Camilla**

China's diet transition towards an animal protein-richer diet is  
sustained by Brazilian land and water resources

**15.50-16:00 Coffee break**

**16.00-16:10 Gabriele Beretta**

ERASE: Innovation and sustainability in soil remediation

**16:10-16:20 Ricciardi Livia**

Soil and water limits to tree restoration for climate change  
mitigation

**16:20-16:30 Boschi Katia**

Enhancing effectiveness and sustainability of permeation grouting  
in soils

**16:30-16:40 Marveggio Pietro**

Challenges in retrofitting piled raft foundations:  
the hidden strenght of soil

**16:40-16:50 Marta Puddu**

FROM SOILS 4 SOILS - Secondary metabolites that could  
save us all

**17:00-17:10 Seyedmoein Miremad**

Mining Big Data to Assess the Impact of Urbanization on  
Groundwater Recharge: A Case Study of Milan Province

**17:10-17:20 Giulio Zani**

Soil-structure interaction and its impact on historic masonry arch  
bridges

**17:20-17:30 Matteo Zerbi**

Underground structures: advancing tunnel lining predesign with  
numerical analyses

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WEBEX ROOM

<https://politecnicomilano.webex.com/meet/paola.gattinoni>

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