

SESSION 15
Sustainable remediation

WEDNESDAY 20 SEPTEMBER
11.30 – 13.30 CEST (Central European Summer Time)

Europe Room
2^o floor

Opening

11:30 Welcome from *Marco Falconi (ISPRA)* and introduction from the Chairs

Presentations

- 11:35** A sustainable approach for DNAPLS contaminated groundwater remediation: raw polyhydroxyalkanoates (PHA) from organic waste as electron donor for biological reductive dechlorination coupled with adsorption on biochar
Laura Lorini, Lorenzo Gianni, Marco Petrangeli Papini (University of Rome La Sapienza) Bruna Matturo (National Research Institute)
- 11:50** Sustainable soil management using Ground Penetrating Radar technique
Constantina Filipciuc, Elena Tudor, Irina Stoian, Avram Ovidiu, Ioan Scutelnicu, Antonio Ulmeanu, Adrian Tătaru, Iustina Boaja (Geological Institute of Romania)
- 12:05** Sustainable remediation: quantitative evaluation of carbon and water footprint reduction for in-situ groundwater bioremediation vs. pump&treat
Piero Mori, Edoardo Masut, Michele Remonti, Tania Fantasia, Michela Sangalli, Ximena Ferreyra Marinucci (ERM Italia)
- 12.20** Integrated use of screening matrix, sustainability criteria and engagement for design remediation of an agricultural site
Paolo Angelini, Fabio Allegrini, Marcello Mancini, Marcello Pianu, Valentina Raffaele (ENI – Energy Evolution Green), Manuel Valagussa, Valentina Vieri, Alberto Francioli, Diego Donati, Davide Colombo (HPC Italia)
- 12.35** Sustainable remediation: an approach to reach and completely destroy contaminant mass in low-permeability storage zones with high-resolution data
Sandro Souto, Cesar Malta, Felipe Sisto, Taisi Marrone, Mateus Evald (Finkler Sustainable Technologies)
- 12.50** Panel discussion moderated by chairs
- 13:30** End of the session
- Register yourself in the Google form <https://forms.gle/16eoj6K4hVMrfhue7>

