

3rd EUSO Stakeholders Forum

WORKING GROUPS MEETINGS

15-17 NOVEMBER (ONLINE)

Please click below to register for the WEBEX sessions:

<https://ec.europa.eu/eusurvey/runner/EUSOFORUM2023>

For troubleshooting during the day of the event, please contact diana.simo-es-vieira@ec.europa.eu



The banner features a dark, textured background with a satellite dish icon on the left. The title 'Third EUSO Stakeholders Forum' is prominently displayed at the top. Below the title, two event periods are listed: '15-17 November 2023' for 'Online Working groups meeting' and '21-23 November 2023' for 'European Soil Mission Week Madrid, Spain'. At the bottom, the Twitter handle '#EUSO' and the website 'https://esdac.jrc.ec.europa.eu/euso' are provided, along with the 'EU SOIL OBSERVATORY' logo.

Third EUSO Stakeholders Forum

15-17
November 2023
Online Working groups meeting

21-23
November 2023
European Soil Mission Week Madrid, Spain

 **#EUSO**

 <https://esdac.jrc.ec.europa.eu/euso>

EU SOIL
OBSERVATORY

AGENDA

All times are Central European Summer Time

Wednesday 15th November 2023

9:20 – 9:30 Welcome to EUSO Stakeholders Forum (Arwyn Jones - European Commission)

09:30 – 12:30 WG Soil erosion

Moderators: Panos Panagos/ Diana Vieira, JRC European Commission

Scope: New developments in the EU towards advanced soil erosion monitoring

09:30 – 09:50 The Soil monitoring Law (M. Barbero, DG ENV - European Commission)

09:50 – 10:10 The Mission “A Soil Deal for Europe” and the new challenges for research in soil conservation (L. Sanchez Alvarez, DG AGRI - European Commission)

10:10 – 10:45 Soil Erosion research challenges in Soil Mission projects

- SOIL O-LIVE, AI4SoilHealth (P. Borrelli, University Tre Roma)
- BENCHMARKS (C. Vazquez Martin, Wageningen University)

10:45 – 11:05 EUropean SEDiments collaboration (EUSEDcollab) database (F. Matthews, KU Leuven)

11:05 – 11:20 The costs of sediments removal (P. Panagos, JRC, European Commission)

11:20 – 11:40 Launch for a proposal of data collection on plot measured data (D. Vieira, European Commission)

11:40 – 11:55 Modelling gully erosion at regional to global scales: recent advancements, pathways & pitfalls (M. Vanmaercke, KU Leuven)

11:55 – 12:10 From regional to parcel scale: mapping cover crops in Europe (A. Fendrich, LSCE, Paris-Saclay)

12:10 – 12:20 A piping erosion susceptibility map of Europe - preliminary results (A. Bernatek-Jakiel, Jagiellonian University)

12:20 – 12:30 Sum up of the major achievements of Soil Erosion WG: GloREDa, Multiple soil erosion processes, Special Issue (P. Panagos, JRC, European Commission)

14:00 – 17:00 WG Soil carbon MRV

Moderators: Cristina ARIAS-NAVARRO / Elise VAN EYNDE (European Commission JRC)

Scope: How can R&I support the EU Commission's proposal for C removal certification?

Opening

14:05 - 14:15 Serenella SALA (Head of the Land Resources and Supply Chain Assessments Unit, European Commission JRC)

Key notes:

14:15 – 14:40 EU Commission's proposal for C removal certification – Christian HOLZLEITNER (Head of Unit for Land Economy and Carbon Removals, Directorate-General for Climate Action, European Commission)

14:40 – 15:00 Design of a high-resolution and dynamic soil organic carbon monitoring system for agricultural soils – Claire CHENU (INRAE)

JRC work on SOC:

15:00 – 15:15 SOC MRV framework from the JRC perspective – Emanuele LUGATO (European Commission JRC)

15:15 – 15:30 Assessing Soil Organic Carbon Changes in European Croplands and Grasslands – Daniele DE ROSA (European Commission JRC)

15:20 – 15:40 Q&A

Outcomes from R&I projects:

15:40 – 15:50 MRV4SOC (Monitoring, Reporting and Verification of Soil Organic Carbon and Greenhouse Gas Balance) – Marta GÓMEZ GIMÉNEZ (GMV)

15:50 – 16:00 MaRViC (Developing and testing a framework for the design of harmonized, context-specific Monitoring, Reporting and Verification systems for soil Carbon and greenhouse gas balances by Agricultural activities) – Greet RUYSSCHAERT (ILVO)

16:00 – 16:10 Q&A

16:10 – 16:20 ESA WORDSOILS (Soil Organic Carbon Monitoring System for SOC prediction and the lessons learnt from validation case studies) – Maria Julia YAGÜE (GMV)

16:20 – 16:30 ORCASA (International review of current MRV initiatives for soil carbon stock change assessment and associated methodologies) – Gerard HEUVELINK (ISRIC)

16:30 – 16:40 Q&A

Closing

16:40 – 17:00 EUSO WG highlights and roadmap - Cristina ARIAS-NAVARRO / Elise VAN EYNDE (European Commission JRC)

Thursday 16th November 2023

09:30 – 12:30 WG Soil pollution

Moderators: Piotr Wojda/Diana Vieira/Felipe Yunta, JRC European Commission

Scope: Characterising Soil Pollution better through the Soil Monitoring & Resilience Directive

09:30 – 09:40 Opening: EUSO and Soil Pollution

09:40 – 10:00 The upcoming European Soil Monitoring Law: An effective instrument for the protection of terrestrial ecosystems? – Pia Kotschik (German Environment Agency)

10:00 – 10:20 'Global Soil Partnership and its soil indicators in the assessment of soil pollution and sustainable soil management. - Sergejus Ustinov (FAO)

10:20 – 10:40 What does the new Soil Monitoring Law mean for industry – Speaker (NICOLE)

10:40 – 10:50 Break

10:50 – 11:05 Soil pollution indicators at EUSO Soil Health dashboard – Felipe Yunta and Elise Van Eynde (JRC European Commission)

11:05 – 11:20 The use of remote sensing in soil pollution: Monitoring of the mercury mining site Almadén implementing remote sensing technologies – Thomas Schmid (Department of Environment, CIEMAT)

11:20 – 11:35 The state of the management of contaminated sites in Slovakia and its public awareness - Elena Bradiakova (Slovakian Environment Agency - SAZP)

11:35 – 11:50 H2020 SPRINT – Occurrence data of pesticide residues in different media – soil, water, crop, indoor dust, air, sediment - Vera Silva (Wageningen University)

11:50 – 12:10 Discussion (Q&A)

12:10 – 12:30 Closing

14:00 – 17:00 WG Soil Monitoring & Awareness

Moderators: Arwyn Jones / Timo Breure, JRC European Commission

Scope: How can citizen science support soil monitoring in the EU?

14:00 – 14:15: Opening

14:15 – 14:30: Choosing active engagement in soil health: the role of citizen science – Francisco Sanz, Fundacion Ibercivis, (ES)

14:30 – 14:45: Review of past citizen science projects on soils - Taru Sanden, Austrian Agency for Health and Food safety (AT)

Q & A

15:00 – 15:15: SOil funDamentals (SOD), soil health benchmarking using the Countryside Survey monitoring and experience with other tools, UKSO and mySoil app – David Robinson, Center of Ecology and Hydrology (UK)

15:15 – 15:30: Overview of the GROW project – Mel Woods, University of Dundee (UK)

15:30 – 15:45: Overview of the ECHO project - Tanja Mimmo, University of Bolzano (IT)

Q & A

16:00 – 16:15: The HeavyMetalCytizen project - Rebecca Hood-Notowny, BOKU (AT)

16:15 – 16:30: The SoilPlastic App – Minagris project, Mia Sol Guggiari Dworatzek, Austrian Agency for Health and Food safety (AT)

Q & A

16:30 - 16:45: Military soil degradation in agricultural land in Ukraine (Vitalii Lebed, (National Scientific Center, Kharkiv, Ukraine)

16:45 – 17:00 Closing remarks (Arwyn Jones and Timo Breure, JRC European Commission)

Friday 17th November 2023

09:30 – 12:30 – WG Soil data integration

Moderators: Cristiano Ballabio / Panos Panagos/ Calogero Schillaci, JRC European Commission

Scope: Integration of relevant EU-wide data in EUSO/ESDAC

9:30 – 9.40 The Data Harmonisation WG and special focus on Soil Mission outputs (C. Ballabio, JRC - European Commission)

9.40 – 10.05 The Soil-Wise project – Development of a data infrastructure for EU Soil Observatory (P. Ilias - ILVO, T. Řezník, Masaryk University)

10.05 – 10.15 The proposal for data flows from Soil mission projects to EUSO (P. Panagos, JRC – European Commission)

10.15 – 12.00 The roadmap for data distribution for the Soil Mission, PRIMA & EJP-Soil Projects:

BENCHMARKS (C. Le Bas, INRAE)

AI4SoilHealth (T. Hengl, OpenGeoHub – V. Mornar, University of Zagreb)

SOIL O-LIVE (A. Manzaneda Avila, University of Jaen)

ECHO (I. Rodero, Quanta labs)

MARVIC (H. Xu, ILVO)

EJP-SOILI (M. Fantappie)

PRIMA projects: SOILS4MED, C. Zucca and SHARInGMED S. Saia

12.00 – 12.20 Discussion and Feedback (all)

12.15 – 12.30 Q & A (all)

14:00 – 17:00 – WG Soil Biodiversity

Moderators: Alberto Orgiazzi, JRC European Commission

Scope: To promote soil biodiversity monitoring and conservation in EU

14:00 – 14:15 Opening

14:15 – 14:45 Soil Biodiversity and Soil Health in Agroecosystems – Marcel van der Heijden (Agroscope)

14:45 – 15:05 Distribution of soil microbes across Europe - Maëva Labouyrie (University of Zurich)

15:05 – 15:30 Distribution of soil eukaryotes across Europe – Julia Königer (University of Vigo)

15:30 – 15:55 Distribution of antibiotic biosynthesis and resistance genes across Europe - Olesya Dulya (University of Tartu)

15:55 – 16:00 Break

16:00 – 16:25 SOB4ES Project - Maria Briones (University of Vigo)

16:25 – 16:50 BIOservisES Project - Raul Zornoza Belmonte (University of Cartagena)

16:50 – 17:00 Conclusions and way forward