

Second EUSO Stakeholders Forum

24-26 October 2022

Please click below to register for the WEBEX sessions:

<https://ec.europa.eu/eusurvey/runner/EUSOFORUM2022>



AGENDA

All times are Central European Summer Time

Monday 24th October 2022

13:30 – Opening of Webex Room

14:00-17:30 – Towards healthy soils in the EU

Moderators: Arwyn Jones/Anne Maréchal, European Commission JRC

Scope: Towards healthy soils in the EU

14:00 – 14:10 Welcome and scope

Alessandra Zampieri, European Commission JRC, Director Sustainable Resources

14:10 – 14:30 EU Soil Strategy: towards a Soil Health Law

Mirco Barbero, DG ENV

14:30 – 14:50 Soil Health Institute

Cristine Morgan, Chief Scientific Officer, Soil Health Institute

14:50 – 15:10 EU Mission: A Soil Deal for Europe: 100 living labs and lighthouses to lead the transition towards healthy soils by 2030

Orsolya Frizon-Somogyi, European Commission DG AGRI

15:10 – 15:30 Carbon farming in the EU

Valeria Forlin, DG CLIMA

15:30- 15:40 Break

15:40 – 16:20 Zero Pollution Monitoring and Outlook Report

15:40 – 16:00 Rainer Baritz, European Environment Agency

16:00 – 16:20 Jann Martinsohn, European Commission JRC

16:20 – 16:45 Soil and water carbon banks

Martin Kováč, Slovak State Secretary

16:45 – 17:05 TBC

TBC, Representative of the Czech presidency

17:05 – 17:20 EUSO activities update

Arwyn Jones, European Commission JRC

17:20 – 17:30 Discussion and Questions from the Audience

17:30 – Closing remarks

Tuesday 25th October 2022

09:30 - 12:30 – Core EUSO objective: supporting research and innovation

Moderators: Cristina Arias-Navarro/Arwyn Jones, JRC European Commission

Scope: EUSO engagement with Horizon Europe research projects (Soil Mission)

09:30 - 9:40 Introduction

09:40 – 9:50 What's next for the Mission "A Soil Deal for Europe"

Paola Alejandra Eulalio, DG AGRI

9:50 - 10:10 SMS

Katharina Helming, ZALF and Peter Tramberend, Umweltbundesamt

10:10 – 10:30 PREPSOIL

Niels Halberg, Aarhus University

10:30-10:50 ORCASA

Suzanne Reynders, INRAE

10:50 – 11:00 Break

11:00 - 11:20 Soil O-live

Antonio Jose Manzaneda Avila, University of Jaen

11:20 – 11:40 AI4SoilHealth

Mogens Humlekrog Greve, AU

11:40 - 12:00 BENCHMARKS

Rachel Creamer, WUR

12:00 – 12:20 SOIL4AFRICA

Mary Steverink-Mosugu, ISRIC

12:20 - 12:30 Interactions with EUSO, panel discussion

14:00-17:15 – Soil Health Districts

Moderators: Anne Maréchal / Elise van Eynde, European Commission JRC

Scope: To explore the usefulness of soil health districts and the potential of living labs in supporting the implementation of the EU soil strategy 2030

14:00 – 14:05 Welcome

14:05 – 14:25 Exploring the concept of Soil Health Districts to achieve soil health in the EU

Luca Montanarella/Arwyn Jones, European Commission JRC

14:25 – 14:50 US Soil Conservation Districts – origin, vision, objectives and governance

Tim Palmer, National Association of Conservation Districts, USA

14:50 – 15:15 Soil Health Living Labs and their role in supporting implementation of EU soil strategy

Paola Alejandra Eulalio, DG AGRI

15:15 – 15:20 Break

15:20 – 15:40 Living Labs in the PREPSOIL project

Giulia Campodonico, Head of Projects ENoLL

15:40– 16:00 Initiative Sols Vivants

Anne-Sophie Leroy, Earthworm

16:00 –16:20 Living labs/lighthouses in Sweden: Farming in Balance

Lena Holm, Farming in Balance

16:20 – 16:40 A soil-based Living Lab integrating the supply chain for Belgium

Marc Rosiers, European landowners' organization

16:40 – 17:00 A country pilot of farmers and stakeholders upscaling soil health implementation on farms

Sophie Gardette, Director, APAD (Association pour la promotion d'une Agriculture Durable)

17:00 – 17:15 Closing remarks

Wednesday 26th October 2022

09:30-12:30 – Developing the EUSO Knowledge Base (Part 1)

09:30-12:30 Parallel Session 1a: Soil pollution

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

Scope: Support to Clean Soil Monitoring & Outlook Report

09:30-09:35 Introduction

Piotr Wojda, JRC

09:35-09:50 Soil Pollution Outlook High Level Synthesis Report

Piotr Wojda, JRC

09:50 – 10:50 Diffuse and point source Pollution

09:50-10:05 Phosphorus losses and heavy metals diffuse pollution

Panos Panagos, JRC

10:05-10:20 Pesticides

Violette Geissen, WUR

10:20-10:35 Contaminated sites

Natalia Rodriguez Eugenio, FAO

10:35-10:50 Remediation technologies overview and IMPEL Water and Land Remediation Project

Marco Falconi, IMPEL

10:50-11:00 Break

11:00-11:30 – Pecha Kucha Lightning

A series of 3-minute-presentations making an impact on the topics of soil pollution, soil remediation or contaminants of emerging concern.

11:30 – 12:15 Emerging Pollutants

11:30-11:45 PFAS

Julie Lions, BRGM

11:45-12:00 Watchlist

Diana Vieira, JRC

12:00-12:15 Other emerging pollutants

Felipe Yunta, JRC

12:15-12:30 Conclusions: Piotr Wojda, JRC European Commission

Wednesday 26th October 2022

09:30-12:30 – Developing the EUSO Knowledge Base (Part 1)

09:30-12:30 – Parallel Session 1b: Soil data integration

Moderators: Calogero Schillaci/Marc van Liedekerke, JRC European Commission

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

09:30 - 09:45 Introduction

Marc Van Liedekerke, JRC

09:45 – 12:30 Activities of EUSO Data Integration Technical Working Group

09:45 - 10:00 Subgroup-1: EU-projects data

Christine Le Bas, INRAE

10:00 - 10:15 Subgroup-2: Data for EU Soil Monitoring and Indicators

Antonio Bispo, INRAE

10:15 - 10:30 Subgroup-3: Data from EJP

Maria Fantappie', CREA

10:30 - 10:45 Subgroup-4: Data from Literature

Calogero Schillaci, JRC

10:45 - 11:00 Subgroup-5: The creation of a hub with EU country soil data

Fenny van Egmond, WUR

11:00 - 11:10 Break

11:10-11:25 Integration of data, information and knowledge from new EU soil-related projects

Marie-Jose Amaral, REA

11:25-11:40 ESDAC 2.0

Panos Panagos, JRC

11:40-11:55 Establishing a soil data exchange partnership

Ester Miglio/Simone Sala, Varda AG

11:55-12:20 Discussion

12:20-12:30 Next steps & Conclusions

Wednesday 26th October 2022

09:30-12:30 – Developing the EUSO Knowledge Base (Part 1)

09:30 – 12:30 Parallel Session 1c: Soil monitoring

Moderators: Arwyn Jones/Daniele de Rosa, JRC European Commission

Scope: how to achieve further soil monitoring integration in the EU?

09:30 - 09:50 Welcome and soil monitoring in EUSO

Arwyn Jones/Anne Maréchal, JRC

09:50 - 10:10 Soil monitoring: a spatial and temporal variability problem

Daniele De Rosa, JRC

10:10 - 10:30 Indicators and thresholds for monitoring soil health

Rainer Baritz, European Environment Agency

10:30 - 10:50 Soil monitoring in EJP Soil

Antonio Bispo, INRAE

10:50 - 11:05 Break

11.05 - 11.25 Monitoring and upscaling soil derived GHG emissions with process-based models

Clemens Scheer, Karlsruhe Institute of Technology (KIT)

11:25 - 11:45 Enhanced spatial soil health indicators with the synergy of Earth Observation technologies and artificial intelligence architectures to support national and European policies

Nikiforos Samarinis, Aristotle University of Thessaloniki (AUTH)

11:45 - 12:00 Dynamic Soil Properties

Francine Lheritier, USDA-NRCS

12:00 - 12:25: Discussion

12:25 - 12:30: Next steps for the TWG on monitoring

Wednesday 26th October 2022

14:00-17:00 – Developing the EUSO Knowledge Base (Part 2)

14:00 – 17:00 Parallel Session 2a: Soil carbon

Moderators: Cristina Arias-Navarro/Elise Van Eynde, European Commission JRC

Scope: How to develop a harmonized MRV framework of SOC stock changes?

14:00 – 14:10 Welcome

Luca Montanarella/Cristina Arias-Navarro, JRC

14:10 – 14:20 Carbon farming in the EU

Valeria Forlin, DG CLIMA

14:20 – 14:30 The role of the CAP in promoting carbon farming

Nicola di Virgilio, DG AGRI

14:30 – 15:45 Q&A

14:45 – 14:55 CIRCASA legacy to ORCaSa

Jean-François Soussana/Suzanne Reynders, INRAE

14:55 – 15:05 EJP Soil: Road4Schemes project

Martinh Thorsøe, AU

15:05 – 15:20 Q&A

15:20 – 15:30 SOC monitoring using LUCAS

Daniele de Rosa, JRC-EUSO

15:30 – 15:40 Innovative monitoring technologies

Eric Ceschia / Ahmad Albitar, CNRS CESBIO

15:40 – 15:55 Q&A

15:55 – 16:05 Carbon payments by Soil Capital

Romain Boulet, Soil Capital

16:05– 16:15 KP4SoilCarbon Knowledge Platform

Emilie Vrot/Carla Biscotti, CIRAD/VIZZUALITY

16:15 – 16:30 Q&A

16:30– 16:50 Establishment of the EUSO Soil carbon MRV Technical working group

Cristina Arias-Navarro/Elise Van Eynde, JRC European Commission

16:50 – 16:55 Next steps and conclusions

Luca Montanarella, JRC European Commission

Wednesday 26th October 2022

14:00-17:00 – Developing the EUSO Knowledge Base (Part 2)

14:00 – 17:00 Parallel Session 2b: Soil erosion in relation to land degradation, climate change & food security

Moderator: Panos Panagos/ Diana Vieira, JRC European Commission

Scope: What should the EU do to halt soil erosion?

14:00 – 14:05 Welcome / brief presentation of the activities of the WG

Panos Panagos/Diana Vieira, JRC

14:05 – 14:30 Policy implications of multiple concurrent soil erosion processes in European farmland

P. Borrelli, Roma Tre University, and EUSO WG members

14:30 – 15:35 June workshop on “Soil Erosion in the EU”

14:30 – 14:40 Challenges for sediments

Nejc Bezak, University of Ljubljana

14:40 – 14:50 Challenges in small scale erosion monitoring

M. Biddoccu, CNR Italy

14:50 – 15:00 Challenges in Landslides research

N. Tavoularis, Regional Authority of Attica

15:00 – 15:10 Soil erosion and Climate change

J. Eekhout, CSIC Spain

15:10 – 15:20 Young scientists in soil erosion and soil conservation

D. Evans, Cranfield University

15:20 – 15:35 Summary of the June workshop on “Soil Erosion in the EU”

Panos Panagos/Diana Vieira, JRC

15:35 – 15:45 Break

15:45 – 17:00 Launch of two initiatives of the WG: a) Sediments database b) estimating costs of sediment removal

15:45 – 16:05 EUSEDcollab: new opportunities presented by a collaborative database of monitored sediment yields from across the research community

F. Matthews, KULeuven/JRC

16:05 – 16:15 Can we evaluate the cost of off-site erosion? Insights from Normandy (France)

E. Patault, ALTEREO

16:15 – 16:25 Cost of soil erosion for Luxembourg: focus on sediment management

G. Fourvel, Luxembourg Environment Agency

16:25 – 16:35 Costs and management of sediments removal in reservoirs

C. Auel, Münster University of Applied Sciences

16:35 – 17:00 Renewal of membership, next steps & conclusions