

Soil Health Conference

Provisional Agenda



17th July 2024

Crowne Plaza Royal Victoria, Sheffield, S4 7YE

09:30 Arrival and Registration in the Lobby. Refreshments in the Grand Lounge

10:00 Welcome: Tony Juniper (tbc)

Session 1 Chair: Eleanor Reed

10:15 – 10:35 Mapping major soil groups across England using ALC-associated soil data and open-access environmental covariates; developing the analysis pipeline. Sabine Reinsch, UKCEH

10:35 – 10:55 Conservation of soil biodiversity: Our international commitments. Cairo Robb

10:55 – 11:15 Potential for a Soil Reuse and Storage system in England. Angeliki Kourmouli, Defra

11:15 - 11:45 Refreshments in the Grand Lounge

Session 2 Chair: James Hughes

11:45 - 12:05 A Review of Agricultural Land Take to Development: When, Where and Why? Tom Burke and Arthama Lakhanpall, ADAS

12:05 – 12:25 Healthy eating for soil microbes: Evaluation of stoichiometry of organic amendments on microbial biomass C storage. Fiona Fraser, SRUC

12:25 – 12:40 Speaker tbc

12:40 – 13:00 Refining a functional assay to test for soil antimicrobial resistance. Marco Benucci and Edward Haynes, FERA

13:00 – 14:00 Lunch in the Grand Lounge

Session 3 Chair: tbc

14:00 – 14:15 A comparison of metabarcoding and tRFLP data for soil microbial monitoring. Helen Hipperson, University of Sheffield

14:15 – 14:35 Developing a System to Describe Land Management for Evaluation of Environmental Impacts. Louise Erskine, Harper Adams University

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14:35– 14:55 Soils on National Nature Reserves: 12 years of the Natural England Long Term Monitoring Network. Matthew Shepherd, Natural England

14:55 – 15:15 Terrestrial Natural Capital and Ecosystem Assessment (tNCEA): Soil monitoring. Elena Vanguelova, Forest Research

15:15-15:45 Refreshments in the Grand Lounge

Session 4 Chair: Matthew Shepherd

15:45 – 16:05 NCEA England Ecosystem Survey (TBC). Natural England

16:05 - 16:25 Developing a Soil Health Indicator for England. Maddie Harris, JNCC

BSSS Members to move to the Waverley Room for the BSSS AGM

16:30-17:30 BSSS AGM – BSSS members only

16:30-17:15 Interactive facilitated discussion (comments submitted via slido &/or microphone).

- 1) What are the priority evidence gaps that need addressing to fulfil the government's soil health targets and ambitions?
- 2) How can we make best use of existing available data and evidence to help progress soil health?
- 3) What mechanisms are needed to deliver soil health, through better land management, land use and decision making

17:15 - 17:30 Conference final remarks

17:30-19:00 Drinks Reception in the Assembly Room

Slido

Throughout the event, we will be collating audience questions and feedback via Slido, please use the following link or QR code, using the code: 2032141. We will also be accepting questions and comments from the audience via a roving microphone. [Natural England Soil Health Conference 2024 \(sli.do\)](#)

