



Soil Judging Programme

Wednesday 27 – Sunday 31 July 2022: *Soil Judging Competition*

Welcome to the soil judging competition of the 22nd World Congress of Soil Science (WCSS)! Located on campus at Stirling University this programme comprises three days of classroom and field-based training before beginning the competition phase which will be held over two days at a secret field- site. This programme offers plenty of opportunity to grow your knowledge base, skills, and professional network. For all days there will be lunch provided, breaks with complimentary refreshments, and transport to and from field locations. You can find out more information about the competition at www.22wcss.org or contact us at wcss22@soils.org.uk to register.

27 July 2022 – Day One – 9am- 5pm

Guest Speaker – Scottish Soil Governance: How soils fit into the landscape of Scotland's environmental legislation.

Lecture One – Soils of Scotland: Formation, history, survey, and mapping of soils; where they are and how they are used

Lecture Two – Soil Judging Concepts

Lecture Three- Soil Functionality Concepts: Soil properties, processes, functions, and ecosystem services

Field Trip – Stirling University Soil Pits

28 July 2022 – Day Two – 9am- 5pm

Guest Speaker – Farming in Scotland: National Farmers Union of Scotland

Lecture One – Brown Earths in Scotland: Formation, description, identification, and functionality

Lecture Two – Peat Bogs in Scotland: Formation, description, identification, and functionality

Lecture Three- Podzols in Scotland: Formation, description, identification, and functionality

Field Trip – Flanders Moss and Valley bottom Gleysol

29 July 2022 – Day Three – 9am- 5pm



Soil Judging Programme

Guest Speaker – Climate Change and Carbon Offsetting: Use and misuse of the carbon offsetting concepts

Lecture One – WRB Soil Classification Concepts: Structure, diagnostics, and descriptors

Lecture Two – USDA Soil Classification Concepts: Structure, diagnostics, and descriptors

Lecture Three- Soil Functionality Concepts: Linking soil characteristics to multiple ecosystem functions and services

Field Trip – Forest Podzols and soil formation factors at Dumyat

30 and 31 July 2022 – Day Three and Four – 9am- 4pm

Soil Judging Competition – Field Location