**Dr Vanessa Bailey** Pacific Northwest National Laboratory, USAvanessa.bailey@pnnl.gov

Soil scientist (lab and field research) who’s work integrates the physical, chemical, and biological systems of soil to study the role of microorganisms in the C cycle, and how changes in freshwater availability (drought or flood) perturb the terrestrial C balance.

**Dr Eleonor Blyth** Centre for Ecology and Hydrology, UK emb@ceh.ac.uk

Land surface modeller (Joint UK Land Environment Simulator, JULES) with expertise in modelling of the land surface interactions with the atmosphere. The soil-atmosphere interactions are an important part of the JULES model and several changes and improvements have been made recently.

**Prof Claire Chenu** AgroParisTech, Franceclaire.chenu@inra.fr

Soil scientist (lab and field research) with research focus on soil organic matter including: processes that explain the persistence of organic matter in soils in the long term, controls on mineralization at the scale of the microbial habitat and effect of agricultural practices on soil C stocks.

**Dr Bogdan Chojnicki** Poznan University of Life Sciences, Poland bogdan.chojnicki@gmail.com

Micrometeorologist (field research) with expertise on chamber and eddy covariance techniques application at field conditions. The measurements of ecosystem-atmosphere mass (H2O/CO2/CH4) and heat exchange. Manipulative experiments at wetlands.

**Dr Joanna Clark** University of Reading, UK j.m.clark@reading.ac.uk

Environmental scientist (lab, field, modelling) with expertise in understanding impacts of environmental change on C and water cycling in terrestrial ecosystems. Specific interests is in the controls on dissolved organic carbon (DOC) dynamics in organic soils, specifically peatlands and forests.

**Dr Marta Dondini** University of Aberdeen, UKmarta.dondini@abdn.ac.uk

Soil carbon modeller with research focus on the application of process-based models to study the effect of land-use and climate change on the soil C cycle. She develops, evaluates and parameterises numerical models, using direct measurements on soil C and greenhouse gas emissions.

**Prof Jennifer Dungait** Rothamsted Research, UKjennider.dungait@rothamsted.ac.uk

Biogeochemist working on optimising soil C dynamics in agricultural soils for C sequestration, soil health and quality to support the development of environmentally-benign farming systems. She uses 13C/15N isotope mass spectrometry for tracing and quantifying C and N dynamics in soils and water.

**Prof Ruth Falconer** Abertay University, UK r.falconer@abertay.ac.uk

Computational modeller working on modelling and visualisation of complex systems, using sustainability and nexus approaches to support decision making. Application areas include urban and rural sustainability, microbial dynamics and carbon turnover in soils and precision agriculture.

**Dr Andreas Heinemeyer** SEI University of York, UK ah126@york.ac.uk

Ecosystem ecologist (field and modelling) with interest in plant-soil C cycling and soil respiration components. He also uses models for predicting C accumulation and turnover under different management and climate scenarios. He works in arable, forest and peatland areas, mainly in the UK.

**Dr Davey Jones** Bangor University, UK d.jones@bangor.ac.uk

Soil/plant scientist (field, lab and modelling) focusing on C and N fluxes in plant-microbial-soil systems, C sequestration in agricultural systems, understanding the factors regulating C cycling and greenhouse gas emissions, and modelling nutrients dynamics in the plant-soil-microbial ecosystems.

**Dr Jörg Kaduk** University of Leicester, UK j.kaduk@le.ac.uk

Geoscientist focusing on global C cycle modelling. He is particularly concerned with the understanding and modelling of the feedbacks connecting ecological, biogeochemical and climatological processes as well as anthropogenic change and their effects on various spatial and temporal scales.

**Prof Guy Kirk** Cranfield University, UK g.kirk@cranfield.ac.uk

Soil scientist (field, lab, modelling) with research focus on physical, chemical and biological processes in soils, quantifying soil properties and functions, and modelling soil systems at scales from microbial to the continental.

**Prof Rob MacKenzie** University of Birmingham, UK a.r.mackenzie@bham.ac.uk

Atmospheric scientist with expertise in computer simulation of air quality at urban and regional scales, and the effects of vegetation on atmospheric composition. Director of the Birmingham Institute of Forest Research (BIFoR) hosting Free-Air Carbon dioxide Enrichment (FACE) facility.

**Dr Martin Maier** Freiburg University, Germany martin.maier@bodenkunde.uni-freiburg.de

Forest engineer with expertise in soil physics and chemistry. His work focuses on understanding of gas transport mechanisms in natural soils by combining the traditional field soil science with modern high-tech analysis.

**Dr Fernando Moyano** University of Göttingen, Germany fmoyano@uni-goettingen.de

Biogeochemist (modelling) with research focus on response of soil organic matter to environmental change in diverse ecosystems, effects of moisture and temperature on decomposition processes, belowground connections with aboveground processes, and modelling of C stocks and fluxes.

**Dr Emilia Urbanek** Swansea University, UKe.urbanek@swansea.ac.uk

Soil scientist (lab and field) with research focus on soil C dynamics under restricted water availability especially in water-repellent soils, physical C protection and hydrological isolation of C from decomposing microorganisms in soil aggregates.

**Dr Nadezda Vasilyeva** Dokuchaev Soil Science Institute, Russianadezda.vasilyeva@gmail.com

Soil scientist (lab, modelling) with experimental expertise in soil organic C stabilization processes and sensitivity to climate change. Her current research interests include modelling of nonlinear dynamics in complex self-organizing systems and feedbacks in biospheric processes.

**Dr Will Wieder** NCAR & University of Colorado, USA wwieder@ucar.edu

Experimental soil biogeochemist, currently his work focuses on modelling ecosystem- to global-scale terrestrial biogeochemical cycles. He is interested in evaluating and improving Earth System models by incorporating ecological theory and observations.

**Dr Matthew Wilkinson** Forest Research, UK matthew.wilkinson@forestry.gsi.gov.uk

Forest C measurement scientist with research focus on understanding the C & GHG balance of woodland and forestry, including the effects of climate, phenology and management. He is has managed the Alice Holt Carbon Flux site for several years.

**Dr Donatella Zona** University of Sheffield, UK D.zona@sheffield.ac.uk

Modeller of biogeochemical cycles with interests in climate change effects on ecosystem functioning, mechanisms allowing tundra to adjust to the environmental stress, challenges of integrating different scales and approaches to understand the patterns and controls on CO2 and CH4 fluxes in the Arctic.