

Carbon

DAY 1 - Wednesday 27th November 2019

13:30 - 15:30			
Timings	Abstract Number	Title	Presenter
13.30-14.00	N/A	Keynote Speaker	Maxine Akhurst
14.00-14.15	67	Rapid mineralization of natural CO ₂ ; a hope for climate mitigation?	Domokos Gyore
14.15-14.30	100	The influence of seagrass on sedimentary characteristics and the role this could play in carbon sequestration in Scottish seagrass meadows	Dani Whitlock
14.30-14.45	114	Carbon metabolism and blue carbon sequestration potential of seagrass beds across Scotland	Irene Olive
14.45-15.00	73	Inputs of leaf and root litter from an advancing arctic treeline species accelerate tundra soil decomposition	Jens Subke
15.00-15.15	74	Tree planting on deep organic soils leads to significantly increased soil respiration and net loss of ecosystem carbon in Scottish heather moorlands	Nina Friggens
15.15-15.30	31	Group Discussion	N/A

DAY 2 - Thursday 28th November 2019

Parallel #2 Relevance 09:45 – 10:45			
Timings	Abstract Number	Title	Presenter
09.45-10.15	N/A	Keynote Speaker: "Gathering evidence: expectations vs. reality"	Katriona Edelman
10.15-10.30	64	Stable isotope study of a natural CO ₂ occurrence in the Pannonian Basin	Dora Cseresznyés
10.30-10.45	13	How water potential shifts drive the physical protection of carbon in soil	Rong Qu

Parallel #2 Relevance Continued 11:15 – 12:15			
11.15-11.30	91	Modeling Dynamics in Solids: From Origin of Life to Modern Challenges	Valentina Erastova
11.30-11.45	33	Interactions between ice shelves, sea ice and primary production in the Southern Ocean	Andrew Twelves
11.45-12.00	25	Quantifying Marine Sedimentary Carbon Resources: a new spatial analysis approach using seafloor acoustic data, imagery, and ground-truthing data in Scotland	Corallie Hunt
12.00-12.15	9	Scotland's blue carbon: understanding the loss of carbon from decaying seaweed	Alasdair O'Dell
Parallel #3 Solutions 14:30 – 16:30			
14.30-15.00	N/A	Keynote Speaker: "Peatland restoration in the era of climate change: a blanket to keep us cool?"	Roxane Andersen
15.00-15.15	84	Highlighting the potential of basalt quarry and demolished concrete fines for low-carbon applications: a regional characterisation study.	CARLA C. CASAS
15.15-15.30	60	Spatiotemporal dynamics of methane and carbon dioxide in an urban river	Chao Gu
15.30-15.45	36	Coastal Blue Carbon Resources: Responding to the Global Climate Emergency	William Austin
15.45-16.00	53	Exploring the Role of Terrestrial Carbon in the Coastal Marine Environment	Craig Smeaton
16.00-16.15	69	The Carbon Balance of Permafrost Ecosystems	Lorna Street
16.15-16.30	N/A	Discussions	