

Dear Authors and Visitors of the session!

Please, find attached the time slots, when you can discuss the works of authors in an online discussion. If some of the authors do not present in chat, you can contact them later directly per e-mail using the option "contact authors" when you open their abstracts.

Best regards,
See you online,
Your conveners

Application of Biomarkers 16:15-16:40

Abstract number Author / Key words

EGU2020-8200	<i>Salas</i> / Amino acids; amino sugar analysis
EGU2020-17791	<i>Gorka</i> / High throughput lipid analysis
EGU2020-19596	<i>Gonzalez-Perez</i> / Pyrolysis CSIA biomarker identification
EGU2020-22358	<i>Brown</i> / VOC analysis in soil
EGU2020-12719	<i>Joshi</i> / Root exudates; application of P ¹⁸ O ₄
EGU2020-18526	<i>San-Emeterio</i> / Phospholipid fatty acids; organic matter turnover
EGU2020-9150	<i>Böckle</i> / Fluxomics; Anabolic and catabolic processes in soil microbial communities

Nutrient cycling 16:40-16:55

EGU2020-3243	<i>Tian</i> / Extreme precipitation; N acquisition by grasses vs. microorganisms
EGU2020-6271	<i>Fujii</i> / Urea uptake in flooded forests; permafrost
EGU2020-2221	<i>Daly</i> / N ₂ O and CO ₂ fluxes; source partitioning; priming; nitrification; denitrification

Priming effect 16.55-17:15

EGU2020-11990	<i>Hayakawa</i> / Glucose concentration and priming intensity; SOC storage
EGU2020-14449	<i>Ge</i> / Soil resource C/N vs. microbial C/N stoichiometry and priming
EGU2020-22306	<i>Liu</i> / C/N of stable and labile compounds and priming patterns
EGU2020-5775	<i>Karhu</i> / Microbial carbon use efficiency; SOM priming; glucose addition; different soil C/N

Carbon cycling 17:15-18:00

EGU2020-5530	<i>Vinsova</i> / Origin and fate of SOC in Arctic ecosystems
EGU2020-10528	<i>Najera</i> / SOC dynamics; freeze/thaw; dry/rewet; ¹³ C/ ¹⁴ C double labelling
EGU2020-12072	<i>Dijkstra</i> / Respiration; response to glucose addition; roots; biomes
EGU2020-22169	<i>Hagmann</i> / Root exudates activate soil enzymes
EGU2020-8246	<i>Gonzalez-Perez</i> / Effect of pH and vegetation cover on SOM structure
EGU2020-11168	<i>Almeida</i> / Biochemistry of plant litter affects POM vs. MOM formation
EGU2020-19738	<i>Zhao</i> / Effect of C accessibility on microbial cell membrane formation
EGU2020-3537	<i>Spohn</i> / Dark CO ₂ fixation
EGU2020-19705	<i>Jiang</i> / Loss of available SOM in afforestations; warming
EGU2020-6814	<i>Zhao</i> / Grazing and allocation of photosynthetic C
EGU2020-10898	<i>Angst</i> / Soil texture and microbial activity; C transfer from litter to SOM
EGU2020-7121	<i>Meyer</i> / C stabilization in microbial biomass and necromass; role of N deficiency
EGU2020-20216	<i>Dufour</i> / Composition of LMWOC; microbial activity and community composition