

ICOS-CH Contributions to 5th ICOS Science Conference 2022, Utrecht and online

Tuesday, 13th September

Lunch Poster Sessions / Poster Session 3

Poster, 13:00-14:00	Empa	Pascal Rubli, Simone Baffelli, Stuart K. Grange, Christoph Hueglin, Andrea Fischer, Lukas Emmenegger	258 Operation of the ICOS-Cities urban CO2 sensor network in Zurich, Switzerland
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Wednesday, 14th September

Parallel Session 8			
Oral, 11:03	ETH Zurich	Lukas Hörtnagl, Mana Gharun, Werner Eugster, Nina Buchmann, Ankit Shekhar, Susanne Burri	129 The carbon cost of critical heat days at a subalpine coniferous forest in Switzerland
Lunch Poster Sessions / Poster Session 7			
Poster, 13:30-14:30	Uni Basel	Stavros Stagakis, Christian Feigenwinter, Roland Vogt, Markus Kalberer	46 Using urban Eddy Covariance observations to inform a dynamic high-resolution urban CO2 flux model
Parallel Session 10			
Oral, 15:24	Uni Basel	Konstantinos Politakos, Stavros Stagakis, Giorgos Kogxylakis, Christian Feigenwinter, Matthias Roth, Nektarios Chrysoulakis	57 Five years of urban eddy covariance CO2 emissions correlated with dynamic shifts in urban structure and traffic regulations in the city center of Heraklion, Greece
Parallel Session 13			
Oral, 16:30	Empa	Dominik Brunner, Ivo Suter, Stephan Henne, Lukas Emmenegger	191 Simulation of urban CO2 at building resolving scale with GRAMM/GRAL
Parallel Session 14			
Oral, 16:48	Empa	Martin K. Vollmer, Stefan Reimann, Lukas Emmenegger, Matt Rigby, Stephan Henne	141 Annual Kigali Index (AKI): A New Measurement-Based Policy Tool for Verifying the Global Phase-Down of HFC
Evening Poster Sessions / Poster Session 10			
Poster, 18:00-19:30	ETH Zurich	Luana Krebs, Susanne Burri, Mana Gharun, Liliana Scapucci, Nina Buchmann	198 Constraints on ecosystem respiration using below- and above-canopy eddy covariance and forest-floor CO2 flux measurements in a subalpine coniferous forest
Poster, 18:00-19:30	ETH Zurich	Liliana Scapucci, Luana Krebs, Susanne Burri, Nina Buchmann	157 Quantifying understory and soil respiration fluxes in a mixed deciduous forest in Switzerland

Thursday, 15th September

Parallel Session 21

Oral, 13:30	ETH Zurich	Ankit Shekhar, Lukas Hörtnagl, Nina Buchmann, Mana Gharun	158 Increased forest resistance to extreme atmospheric dryness: a case study of two characteristic Swiss forests
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Parallel Session 22

Oral, 13:30	Empa	Stuart K. Grange, Simone Baffelli, Christoph Hueglin, Pascal Rubli, Andrea Fischer, Lukas Emmenegger	260 Operation of the ICOS-Cities urban CO ₂ sensor network in Zurich, Switzerland
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Parallel Session 23

Oral, 15:30	Empa	Sara M Defratyka, James L France, Rebecca E Fisher, Dave Lowry, Julianne M Fernandez, Semra Bakkaloglu, Camille Yver-Kwok, Jean-Daniel Paris, Philippe Bousquet, Zach Weller, Joe von Fischer, Emily Luetschwager, Tim Arnold, Chris Rennick, Jon Helmore, Randolph Morales, Dominik Brunner, Euan G Nisbet	87 Controlled release experiment to verify mobile vehicle-based measurements of methane, ethane and $\delta^{13}\text{CCH}_4$
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