

BG3.27

Latest Developments and Software Tools for Ecosystem and Flux Data Analysis

Convener: Tarek EI-Madany | Co-conveners: Frank Griessbaum, Torsten Sachs

Chat time: Friday, 8 May 2020, 14:00–15:45

Chairperson: Tarek, Frank, Torsten

14:00 – 14:02	Session opening by conveners
14:02 – 14:12	D558 EGU2020-2382 Junbin Zhao , Holger Lange, and Helge Meissner Gap-filling continuously-measured soil respiration data with time-series-based methods
14:12 – 14:22	D558 EGU2020-2382 Ladislav Šigut , Pavel Sedlák, Milan Fischer, Georg Jocher, Thomas Wutzler, Marian Pavelka, and Matthias Mauder Unlocking the potential of eddy covariance data with the R software package openeddy
14:22 – 14:32	D559 EGU2020-3645 Thomas Wutzler , Mirco Migliavacca, and Kendalynn Morris Effective aggregation of gappy replicated time series using INLA
14:32 – 14:42	D560 EGU2020-5652 Gerardo Fratini, Israel Begashaw, Andreas Burkart, John Gamon, Kaiyu Guan, David Johnson, Tommaso Julitta, Gilberto Pastorello, Karolina Sakowska, Mong-Kuen Sun, Lynn Woodford, and George Burba Eddy Covariance Flux Data: Sitting on a Golden Egg
14:42 – 14:52	D561 EGU2020-5660 Felix Nieberding , Gerardo Fratini, Christian Wille, Yaoming Ma, and Torsten Sachs Addressing eddy-covariance flux errors due to uncertainties in open path IRGA operation under harsh environmental conditions on the Tibetan Plateau
14:52 – 15:02	D562 EGU2020-7821 (Solicited) Bart Schilperoort , Karl Lapo, Anita Freundorfer, and Bas des Tombe Untangling fiber optic Distributed Temperature Sensing: Getting the right temperature and getting there smoothly
15:02 – 15:12	D563 EGU2020-9319 Matthias Mauder and the Energy-balance closure correction evaluation team Evaluation of energy balance closure correction methods for multiple eddy-covariance sites in different biomes
15:12 – 15:22	D564 EGU2020-17955 Gianluca Filippa , Edoardo Cremonese, Marta Galvagno, and Mirco Migliavacca The various facets of digital repeat photography fully exploited with the phenopix R package
15:22 – 15:32	D565 EGU2020-18965 Jacob Nelson Water Flux Partitioning for Eddy Covariance Data
15:32 – 15:42	Open discussion
15:42 – 15:45	Concluding remarks