Eddy Covariance flux measurements intensive course, online 24.-16.11.2021

Draft schedule (small adjustments possible)

	Wednesday 24.11.2012: The Eddy Covariance (EC) Method	
09:00	Opening and aims of the course	Christian Brümmer, Gregor Feig, Mari Bieri
09:15	Getting-to-know-each-other: 2-min 2-slide introduction round by each participant	Mari Bieri
10:00	South African Observation Network: EFTEON	Gregor Feig
10:30	Tea Break	
10:45	Introduction to Eddy Covariance	Christian Brümmer
11:15	From raw data to quality assured fluxes, Part I	Oksana Rybchak, Pascal Wintjen, Christian Brümmer
12:00	Lunch break	
13:00	From raw data to quality assured fluxes, Part II	Oksana Rybchak, Pascal Wintjen, Christian Brümmer
13:45	Gap filling of EC data sets	Antje Lucas-Moffat
14:15	Students' Q&A session	All lecturers
15:00	Students' project time	
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18:00	Evening get-together with drinks (voluntary participation!) & short presentation of funding opportunities for studying/working in Germany	Mari Bieri

	Thursday 23.11.2021: EC data handling and visualization	
09:00	Instruments session – setting up an EC tower	Gregor Feig, Kerneels Jaars, Amukelani Maluleke, Humbelani Thenga, Christian Brümmer
10:00	Working with cleaned flux data on model evaluation	Mohau Mateyisi
10:30	Tea Break	

10:45	Using R: working with cleaned flux data	Mohau Mateyisi
12:00	Lunch break	
13:00	Session on students' projects - processing - filtering - screening - gap filling - data handling - plotting	All lecturers
14:15	Students' Q&A session	All lecturers
15:00	Students' project time	

Friday 26.11.2021: EC Applications

09:00	Case studies on EC measurements in South African systems (Kimberly, Skukuza, Karoo clusters)	Amukelani Maluleke, Humbelani Thenga, Oksana Rybchak, TBC
10:15	Northern hemisphere croplands	Frederik Schrader (TBC)
10:30	Tea Break	
10:45	Northern hemisphere grasslands on organic soil	Liv Sokolowsky (TBC)
11:00	Non-CO_2 EC applications	Pascal Wintjen (TBC)
11:15	Case studies continues	TBC
12:00	Lunch break	
13:00	Remote sensing application using data from African EC towers for validating GPP products	TBC
13:30	Wrapping up - individual questions - specific consulting - Q&A continues	All lecturers
14:30	Closing of course and virtual celebrations	
15:00	End of three-day session	

TBA (~2 hour meeting at a later date): Student projects hand-in session

09:00	Presentation and discussion on completed student projects (approximately two hour session)	All lecturers