Time series analysis and spectral corrections of turbulence data in Eddy Covariance and in EddyPro Advanced

Workshop Location:Technical University of Denmark, Roskilde, Denmark

19Mar2013, Ver 1.0

	Tue, 14. May	Wed, 15 May	Thu, 16. May
09:00 - 09:15	Welcome	Introduction to Integrated EC System [F.Griessbaum]	All spectral information available from EddyPro [G.Fratini]
09:15 - 09:30	Self introduction and LI-COR history		
09:30 - 09:45	The spectral nature of boundary layer turbulence (fluxes and spectra) [A. Ibrom]		
09:45 - 10:00			
10:00 - 10:15		Break	
10:15 - 10:30			
10:30 - 10:45		Overview of EddyPro (history, status and fly-over tour of the GUI) and Description of major EddyPro features [G.Fratini]	Break
10:45 - 11:00	Break		
11:00 - 11:15			Discussion of attendee's issues* [A. Ibrom, G. Fratini]
11:15 - 11:30	Concepts of time series analysis [G.Fratini]		
11:30 - 11:45			
11:45 - 12:00			
12:00 - 12:15	Lunch	Lunch	
12:15 - 12:30			
12:30 - 12:45			Lunch
12:45 - 13:00			
13:00 - 13:15	Introduction to filters in the spectral domains and transfer-functions [A. Ibrom]	Insights (best practices) in usage of EddyPro Advanced [G.Fratini]	
13:15 - 13:30			
13:30 - 13:45			Hands-on: Guided sample data processing [G. Fratini, F. Griessbaum]
13:45 - 14:00			
14:00 - 14:15			
14:15 - 14:30			
14:30 - 14:45	Break	Break	
14:45 - 15:00			
15:00 - 15:15	Sensor imperfections: spectral corrections in eddy covariance [A. Ibrom]	Description of EddyPro outputs (fluxes, QC, footprint, rotations, micromet, turbulence, biomet, etc) [G.Fratini]	Break
15:15 - 15:30			Hands-on: EddyPro training with own or sample datasets [G. Fratini, F. Griessbaum]
15:30 - 15:45			
15:45 - 16:00			
16:00 - 16:15			
16:15 - 16:30			
16:30 - 16:45	Discussion	Discussion	
16:45 - 17:00			

Subject to modifications

** Upcoming questions and questions (also data sets) received prior workshop*