

AGENDA 19.July.2017

Tuesday (24 October)

8:00 - 9:00	Registration	
9:00 - 9:10	Welcome	
9:10 - 10:10	Leaf-Level Photosynthesis	Tracy Lawson (University of Essex) Photosynthesis and stomatal behavior in dynamic light
10:10 - 11:20		Tom Sharkey (MSU) Understanding Carbon Export from the Calvin-Benson Cycle Using Gas Exchange and Fluorescence
11:20 - 11:50		Coffee Break
11:50 - 13:00		Bernard Genty Chlorophyll Fluorescence and Photosynthesis in Plants : The basics
13:00 - 14:00		Lunch
14:00 - 15:20		Wanne Kromdijk (UIUC) Bioengineering for future crop improvement, exploiting interactions between photoprotection and photosynthetic gas exchange
15:20 - 15:50		Coffee Break
15:50 - 17:00		Tom Avenson (LI-COR) LI-6800 - Latest Advancements in Photosystem Instrumentation
17:00 - 19:00		Poster Session [incl. Catering]

Wednesday (25 October)

8:00 - 9:00	Registration	
9:00 - 10:10	Ecosystem	Joe Berry (Carnegie) What we are learning from solar induced chlorophyll fluorescence retrievals from space
10:10 - 11:20		Caroline Nichol (Univ. of Edinburgh) In-situ measurements of PRI and the link to remote sensing in boreal ecosystems
11:20 - 11:50		Coffee Break
11:50 - 13:00		Luis Guanter (GFZ) and Christian Frankenberg (Caltech) Monitoring terrestrial photosynthesis through the remote sensing of sun-induced fluorescence
13:00 - 14:00		Lunch
14:00 - 15:20		Martin Jung (MPI Jena) Some challenges of upscaling flux-tower GPP to the globe
15:20 - 15:50		Coffee Break
15:50 - 17:00		George Burba (LI-COR) Latest Advancements in Ecosystem Instrumentation
17:00 - 18:00		Transfer to dinner (boat)
18:00 - 21:00	Workshop Dinner (boat trip)	

Thursday (26 October)

8:00 - 9:00	Registration	
9:00 - 10:10	Ecosystem ET	Christopher Neale (Daugherty Water for Food Global Institute, University of Nebraska) Evapotranspiration estimates through remote sensing - verification using flux tower data
10:10 - 11:20		Penelope Serrano Ortiz (Univ. of Granada) Eddy Covariance technique as a tool to quantify water use efficiencies at the ecosystem level
11:20 - 11:50		Coffee Break
11:50 - 13:00		Kosana Suvocarev (Univ. of Arkansas) and Francesc Castellvi Sentis (Univ. of Lleida) The surface renewal method and its application for GHG measurements over irrigated crops
13:00 - 14:00	Lunch	
14:00 - 14:15	Bridging the Systems (OPTIMISE COST Action ES1309)	Karolina Sakowska (UCSC) Optimise Cost Action ES1309, "Innovative optical Tools for proximal sensing of ecophysiological processes"
14:15 - 14:30		Luis Alonso (Univ. of Valencia) Dynamics of photoprotection mechanisms through passive measurement of SIF, reflectance and transmittance at a leaf scale
14:30 - 14:45		Andreas Burkart (FZ Jülich) Measuring sun-induced-fluorescence with the FloX - from the scientific problem towards a market ready product
14:45 - 15:00		Mapi Cendrero-Mateo (FZ Jülich) HyScreen: Hyperspectral Ground Imaging System for reflectance and fluorescence
15:00 - 15:20		Alasdair Mac Arthur (Univ. of Edinburgh) State-of-the-art of UAV remote sensing - earth observation from drones: challenges and opportunities for ecosystem research
15:20 - 15:50		Coffee Break
15:50 - 16:05		Andreas Hueni (Univ. of Zurich) SPECCHIO Spectral Information System
16:05 - 16:20		Albert Porcar-Castell (Univ. of Helsinki) FAST 2017 (Fluorescence Across Space and Time): A comprehensive multiscale campaign to investigate the links between plant photosynthesis and measured fluorescence. Campaign scope and teaser
16:20 - 16:35		Giulia Tagliabue (UNIMIB) Summary of ESA Fluorescence Explorer (FLEX) field campaigns aiming at linking fluorescence and photosynthesis
16:35 - 16:50		Anatoly Gitelson (TIIT) A convergence on a narrow range of light use efficiency in C3 and C4 crops: Is it a proof of the concept of an optimization of resource allocation and the functional convergence hypothesis in vegetation?
16:50 - 17:05	Javier Pacheco-Labrador (MPI Jena) Retrieving photosynthetic parameters and essential biodiversity variables from SCOPE inversion. A multiple-constrain approach	
17:05 - 17:15	Closing	