

# AGENDA 20.Oct.2017

## Tuesday (24 October)

8:00 - 9:00	Registration	
9:00 - 9:10	Welcome	
9:10 - 10:10	Leaf-Level Photosynthesis	<b>Tracy Lawson</b> (University of Essex) Photosynthesis and stomatal behavior in dynamic light
10:10 - 11:20		<b>Tom Sharkey</b> (MSU) Understanding Carbon Export from the Calvin-Benson Cycle Using Gas Exchange and Fluorescence
11:20 - 11:50		Coffee Break
11:50 - 13:00		<b>Bernard Genty</b> (CEA) Chlorophyll Fluorescence and Photosynthesis in Plants : The basics
13:00 - 14:00		Lunch
14:00 - 15:10		<b>Wanne Kromdijk</b> (UIUC) Bioengineering for future crop improvement, exploiting interactions between photoprotection and photosynthetic gas exchange
15:10 - 15:40		Coffee Break
15:40 - 17:00		<b>Tom Avenson</b> (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	<b>Joe Berry</b> (Carnegie) What we are learning from solar induced chlorophyll fluorescence retrievals from space
10:10 - 11:00		<b>Christian Frankenberg</b> (Caltech) Remote sensing of solar induced chlorophyll fluorescence from satellites, airplanes and ground-based stations
11:00 - 11:30		Coffee Break
11:30 - 12:10		<b>Luis Guanter</b> (GFZ) Recent advances in global monitoring of terrestrial sun-induced chlorophyll fluorescence
12:10 - 13:00		<b>Anatoly Gitelson</b> (TIIT) Light use efficiency in C3 and C4 crops
13:00 - 14:00		Lunch
14:00 - 15:00		<b>Martin Jung</b> (MPI Jena) Some challenges of upscaling flux-tower GPP to the globe
15:00 - 15:30		Coffee Break
15:30 - 16:40		<b>George Burba</b> (LI-COR) Latest Advancements in Ecosystem Instrumentation
16:40 - 17:00		<b>Karolina Sakowska</b> (UCSC) Optimise Cost Action ES1309, "Innovative optical Tools for proximal sensing of ecophysiological processes"
17:00 - 18:00	Transfer time 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	<b>Christopher Neale</b> (Daugherty Water for Food Global Institute, University of Nebraska) Evapotranspiration estimates through remote sensing - verification using flux tower data
10:10 - 11:20		<b>Penelope Serrano Ortiz</b> (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		<b>Kosana Suvocarev</b> (Univ. of Arkansas) and <b>Francesc Castellvi Sentis</b> (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)	<b>Luis Alonso</b> (Univ. of Valencia) Dynamics of photoprotection mechanisms through passive measurement of SIF, reflectance and transmittance at a leaf scale
14:15 - 14:30		<b>Andreas Burkart</b> (FZ Jülich) Measuring sun-induced-fluorescence with the FloX - from the scientific problem towards a market ready product
14:30 - 14:45		<b>Mapi Cendrero-Mateo</b> (FZ Jülich) HyScreen: Hyperspectral Ground Imaging System for reflectance and fluorescence
14:45 - 15:10		<b>Alasdair Mac Arthur</b> (Univ. of Edinburgh) State-of-the-art of UAV remote sensing - earth observation from drones: challenges and opportunities for ecosystem research
15:10 - 15:40		Coffee Break
15:40 - 16:00		<b>Andreas Hueni</b> (Univ. of Zurich) SPECCHIO Spectral Information System
16:00 - 16:20		<b>Albert Porcar-Castell</b> (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 - 16:40		<b>Giulia Tagliabue</b> (UNIMIB) Summary of ESA Fluorescence Explorer (FLEX) field campaigns aiming at linking fluorescence and photosynthesis
16:40 - 17:00		<b>Javier Pacheco-Labrador</b> (MPI Jena) Retrieving photosynthetic parameters and essential biodiversity variables from SCOPE inversion. A multiple-constrain approach
17:00 - 17:10	Closing	