MC5 and Final Conference Programme: 26-28 September 2022, Menemen - Izmir, Turkey
INTERNATIONAL AGRICULTURAL RESEARCH AND TRAINING CENTER

DATE-TIME	TOPIC	Chairing / Speaker
Monday, 26 September		
13:00-13:30	**Introduction**	**Martin Schlerf**
13:30-14:00	**Keynote I:** *Optical remote sensing of crop trait characteristics from ground measurements to satellites*	**Marie Weiss (online)**
14:00-15:15	**WG4 s e s s i o n**	**WG4 Leaders**
14:00-14:15	*Update WG4 activities*	Andy Andy Hueni & Laura Mihai
14:15-14:30	Propagating Sentinel-2 Top-of-Atmosphere Radiometric Uncertainty into Land Surface Phenology Metrics Using a Monte Carlo Framework	Lukas Graf
14:30-14:45	Spectral and Radiometric calibration of ASD spectrometers	Dessislava Ganeva or Andy Hueni
14:45-15:00	Spectral Calibration: Spectral Response Function Shape Estimation for the high spectral resolution spectroradiometers	Laura Mihai
15:00-15:15	SPECCHIO Uncertainty Support	Andy Hueni
15.15-15.45	**Coffee break**	
15:45-16:15	**Keynote II:** *Detecting Xylella fastidiosa in a machine learning framework using Vcmax and the leaf biochemistry quantified with airborne hyperspectral imagery*	**Carlos Camino**
16:15-18:00	**WG3 s e s s i o n**	**WG3 Leaders**
16:15-16:30	*Update WG3 activities*	Miriam Machwitz & Uwe Rascher
16:30-16:45	Comparison of thermal data obtained by UAV and handheld cameras under different water conditions	Eyüp Selim Köksal
16:45-17:00	Experimental setup for allelopathic effect assessment of plant extracts on crops	Dainis Jakovels
17:00-17:15	Guideline for the synergistic optical sensor use or stress detection in agriculture	Eko Chakhvashvili
17:15-17:30	Crop water stress quantification from thermal infrared satellite observations	Florian Werner
17:30-17:45	Synergy between TROPOMI sun-induced chlorophyll fluorescence and MODIS spectral reflectance for understanding the dynamics of gross primary productivity at integrated carbon observatory system (ICOS) ecosystem flux sites	Hamadou Balde
17:45-18:00	Exploring the potential of radiative transfer models for detection of leaf area index and sun-induced fluorescence for peatland canopy	Anshu Rastogi
18:30-22:00	**Izmir Dinner**	
Tuesday, 27 September		
09:00-11:45	**WG1 s e s s i o n**	
09:00-09:15	*Update WG1 activities*	**WG1 Leaders**
09:15-09:30	Unvealing the full spectrum of SIF using a data driven retrieval to exploit solar Fraunhofer lines	Paul Näthe
09:30-9:45	Regional-to-continental photosynthesis productivity estimation from Sentinel satellites	Pablo Reyes Muñoz
9:45-10:00	An express method for flux footprint heterogeneity estimation	Egor Prikaziuk
10:00-10:30	**Coffee beak**	
10:30-10:45	Comparison of leaf and canopy red and far-red sun-induced fluorescence under heat and drought conditions	Sebastian Wieneke
10:45-11:00	Characterizing Sun-Induced Fluorescence spatial heterogeneity based on Sentinel-2 surface reflectance	Mª Pilar Cendrero-Mateo
11:00-11:15	Emulation of Solar-Induced Fluorescence from spaceborne PRISMA imagery using Neural Networks and airborne HyPlant data	Miguel Morata
11:15-11:30	Sun-induced fluorescence as a tool for assessing the climate manipulation impact on gross primary production of peatland vegetation communities	Michal Antala
11:30-11:45	*Short impulse talks for posters (2 min. each): A. Belen, J. Pacheco, Z. Un Nisa, N. Wang, Q. Wan*	Poster authors
11:45-13:00	**Lunch**	
13:00-16:10	**WG2 s e s s i o n**	
13:00-13:15	*Update WG2 activities*	**WG2 Leaders**
13:15-13:30	Sentinel-2 time series for crop phenology - a comparison with in-situ measurements	Claudio Silva
13:30-13:45	Sentinel-2 data for mapping the seasonality of vegetation	Zhanzhang CAI
13:45-14:00	Within-season crop phenology prediction from Sentinel-2 green LAI time series	Eatidal Amin
14:00-14:30	**Coffee beak**	
14:30-14:45	EOdal: A Unified Open-Source Framework for Earth Observation Data Analysis	Lukas Graf
14:45-15:00	Modelling barley's phenological parameters and biomass with Phenocam data	Dessislava Ganeva
15:00-15:15	Mapping LAI with laser scanning over structurally diverse crops	Benjamin Brede
15:15-15:30	*Poster shortly presented (2 min. each): L.S. Haenchen, O. Rozenstein*	Poster authors
15:30-16:10	**Keynote IIIa:** *Robust techniques with field-scale satellite-imaging systems for accurate ET mapping*	**Richard G. Allen (online)**
	Keynote IIIb: *Employing thermal-based field-scale ET mapping on Google Earth Engine via OpenET, EEFlux and ECOSTRESS*	**Ayse Kilic (online)**
16:10-18:00	**Excursion to experimental site, remote sensing – irrigation management field experiment,**	
	Menemen irrigation district, farmers' fields	
18:30-22:00	**Dinner in Foça town**	
Wednesday, 28 September		
7:30-8:30	SENSECO running event	
9:30-12:00	**Management Committee Meeting (for MCs) I Individual working group activity (for non-MCs)**	**Chairs & Core Group Members**
	SENSECO Paper writing discussions (Young SENSECOs, all)	**Veronica Sobejano Paz &**
		Erekle Chakhvashvili
12:00-13:00	**Lunch**	
	Final discussions / travel home / visit to beach	
14:30	**Çeşme-Alaçatı towns**	
Thursday, 29 September		
9:00-	Efes Historical place	
	Kuşadası beach and town	

List of posters

WG1 session:

Ana B. Pascual Venteo	Retrieval Models of Crops Traits for the Incoming CHIME mission: a validation study with PRISMA Data
Javier Pacheco	Spatial scaling challenge
Zaib Un Nisa	Actual Evapotranspiration Estimation and Validation over a Mediterranean Rotational Cropping system without Radiometric Surface Temperature
Na Wang	Understanding the physiological and non-physiological variations in UAV-based SIF response to water stress in sugar beet
Quanxin Wan	From the Lab to the Farm: Factors Influencing Temperature Measurements from Miniaturized Thermal Infrared (TIR) Cameras

WG2 session:

Offer Rozenstein	Generating Up-to-Date Crop Maps Optimized for Sentinel-2 Imagery in Israel
Lorenz S. Hänchen	Effects of variability in sensor-surface geometry of sun-synchronous orbit satellites for estimating long-term trends of land surface temperature in complex mountainous terrain