

OPTIMISE Toulouse Workshop 20th to 22nd November 2017

Field visit to ICOS site and RTK GPS demo on Tuesday afternoon

W&BP goal

Bring together the achievements of OPTIMISE for Final Report and publications all objectives

W&BP outputs

Detailed report on completion of OPTIMISE objectives for inclusion in Final Report to be submitted to COST. Plus review of final work on 3 papers currently being written for submission to an international scientific journal and publication of OPTIMISE BUS on Action website

We will use the Toulouse workshop:

- as preparation for the OPTIMISE Final Report which requires the mapping of activities and outputs (with explicate links to evidence i.e. urls, ppts, publication etc) to the objectives we proposed in the MoU.
- a review of where we are at and if anything still needs to be done to complete OPTIMISE objectives
- an update on STSMs over the duration of the Action and no previously presented
- a presentation on OPTIMISE BUS
- a demonstration of a RTK GPS system by Emlid

The local organiser (Jean-Louis Roujean) will organise a field trip to 2 ICOS sites, weather permitting.

Draft programme for OPTIMISE Toulouse 20th to 22nd November

Monday 20/11/2017		
Morning	Travel to Toulouse	
12:00 or 13:00 to 14:00 Buffet lunch		
Afternoon 14:00 to 18:00 Training and STSM presentations		
14:00 – 14:10	Aladair Mac Arthur	Intro to OPTIMISE
14:00 – 14:20	Jean-Louis Roujean	Introduction to science at host institute
14:20 – 14:30	Radek Juszcak	Summary of Training and STSMs carried out since start of Action (Skype)
14:30 – 14:50	Julia Kelly	Testing the performance of a UAV thermal camera
14:50 -15:10	Laura Mihai	Laboratory based radiometric characterization and calibration protocol for the APEX imaging spectrometer system
15:10 – 15:30	Peiqi Yang	Reflectance, fluorescence and photosynthesis in vertically heterogeneous canopies (mSCOPE)
15:30 – 15:50	Nastassia Vilfan	The relation between leaf spectral reflectance, fluorescence and photosynthesis (Fluspect-CX)
15:50 – 16:20	John Atherton	Drone flights and supporting measurements over the BIFoR FACE experiment, September 2017
Open floor discussion		
Evening meal Meet with Jean-Louis at Capitole Square		
Tuesday 21/11/2017, 09:00 to 10:30, Working Group 1		
WG1	Andy Hueni	Overview of WG1 and aims and objectives
WG1 D1:	S. Wittenberghe	Best practice metadata set (outcome of Luxembourg workshop)
WGD2	A. Hueni	SPECCHIO Updates: Spatial capabilities, hosting by Geoscience Australia, OPTIMISE Training School Data

WG1 D3	TBD or A. Hueni	Wireless sensor to database dataflow	
WG1 D4	A. Hueni	Data preprocessing and metadata augmentation	
WG1 D4 (cont)	Roland Mosimann/Patrick Wigger	Student project, CS Track FHNW Software-Interface for FloX/RoX device	
WG1 D5	A. Hueni (very short presentation):	Spectral Database API for and implementation of biogeochemical modeling algorithm	
Open floor discussion			
10:30 to 11:00 coffee			
Tuesday 21/11/2017, 11:00 to 12:00 WG2			
	Denis Nikolaev	External expert-company talking about rtk gps for UAV	
Tuesday 21/11/2017 12:00 -13:00 Buffet Lunch			
13:00 to 18:00	Field trip to ICOS core sites	Incl Dmitriy Ershov & Denis Nikolaev from Emlid RTK GPS demo	
Wednesday 22/11/2017 WG2 09:00 to 10:30			
09:00 – 09:20	Enrico Tomilleri	Overview of WG2 and aims and objectives	
09:20 – 09:40	Enrico Tomilleri	Flux tower footprint tool	
09:40 – 10:00	Enrico Tomilleri	Thermal UAV sensing	
	Alasdair Mac Arthur	Piccolo spectrometer system concept and developments	
10:30 to 11:00 coffee			
	Christiaan van der Tol	Overview of WG3 and aims and objectives Skype	
	Javier Pacheco	Linking optical information and plant physiology in manipulation experiments	
	Andy	SPPECHIO update	
	Javier	3 papers status review and Action SI (if needed)	
	Alasdair	Discussion on work to be completed before end of Action	
Open floor discussion			
12:30 to 14:30 Buffet lunch			

Suggested hotels Hotel Phoenicia

Hotel de France

Hotel Riquet

Hotel Castellane

Hotel du Taur

Hotel Victor Hugo

Hotel Sainte Claire

Hotel Ours Blanc