



September 27, 2021

01:30PM	Invited speaker : Oskar Frankin (International Institute for Applied Systems Analysis - IIASA, Austria)		
02:00PM	Photosynthesis and Fluorescence Convener: Anja Krieger-Liszkay	Using satellite fluorescence data to constrain the gross primary productivity in a land surface model	Fabienne MAIGNAN
		Mechanisms of non-photochemical quenching in plants	Anja KRIEGER-LISZKAY
		Understanding the non-photochemical quenching of plants, a mutant approach in drought stress conditions	Lucas LEVERNE
03:00PM	N, P and K use efficiency Convener: Nicolas Delpierre	CO ₂ removal from enhanced weathering by stimulated ecosystem productivity	Daniel GOLL
		Breaking down the effects of potassium on GPP using processed based modelling	Ivan CORNUT
		Post-flowering biotic and abiotic stresses impact nitrogen use efficiency and seed filling in Arabidopsis thaliana	Fabien CHARDON
04:00PM	Break		
04:20PM	Water use efficiency Convener: Philippe Ciais	A systems approach to decipher drought response in maize	Mélanie BLEIN-NICOLAS Yacine DJABALI
		Diagnosing vegetation water stress from land surface temperature observations across tropical America	Julia GREEN
05:20PM	End of the day		

September 28, 2021

09:30AM	Development and Growth Convener: Olivier Loudet	Modelling the functioning of a mixture of oilseed rape and faba bean - from plant scale to plot scale	Laurène PERTHAME
		How sugars regulate plant architecture ?	Catherine RAMEAU
		Coupling root growth and local carbon balance within functional-structural root models	Frédéric REES
10:30AM	Break		
10:50AM	Multi-scale modelling Convener: Michael Hodges	Modelling water use efficiency across Europe	Ronny LAUERWALD
		Understanding key stress responses in plants: kinetic modelling of hydrogen peroxide and antioxidant metabolism	Graham NOCTOR
		Towards the integration of cellular scales in individual plant models	Anne GOELZER
11:50AM	Round table		
12:30PM	End of the meeting		