

**FIRST LIAISE CONFERENCE AND DETERMINING EVAPOTRANSPIRATION CROSSCUT WORKSHOP**  
**Lleida, Spain 27-29 March 2023**

**DAY1 - MONDAY 27 MARCH 2023**

	27/03/23	8:15	Registration		
-	27/03/23	8:50	WORKSHOP WELCOME		
<b>OBSERVATIONS - Surface and Boundary Layer conditions (LIAISE)</b>					
No.	Day	Time	Name	Affiliation	Title
1	27/03/23	9:20	Siegmann, Bastian	Forschungszentrum Jülich - Germany	Measuring solar-induced chlorophyll fluorescence (SIF) across scales as a proxy of photosynthetic activity – First results from the LIAISE field campaign in July 2021
2	27/03/23	9:40	Mol, Wouter	Wageningen University - The Netherlands	High resolution spatiotemporal variability of solar irradiance and water vapour at La Cendrosa
3	27/03/23	10:00	Jimenez, Maria A.	Universitat de les Illes Balears - Spain	Characterisation of the marine-air intrusion Marinada in the eastern Ebro subbasin
4	27/03/23	10:20	Vis, Gijs	Technical University Delft - The Netherlands	Spatial temperature measurements using DTS in the LIAISE field campaign
5	27/03/23	10:40	Wrenger, Burkhard	University of Applied Sciences and Arts Ostwestfalen-Lippe - Germany	Temperature and Wind Profiles Taken by an UAV during the LIAISE Campaign
	27/03/23	11:00	<b>POSTER pitches + COFFEE BREAK</b>		
6	27/03/23	12:00	Canut, Guylaine	CNRM Météo-France, CNRS - France	What turbulent processes in the lower atmosphere are observed over a irrigated surface during the LIAISE campaign?
7	27/03/23	12:20	Lothon, Marie	Laboratoire d'Aérodologie, CNRS, Université de Toulouse - France	Variability of boundary layer vertical structure over the strong surface discontinuity of LIAISE
8	27/03/23	12:40	Udina, Mireia	Universitat de Barcelona - Spain	Exploring WRF irrigation parameterization impact on the lower atmosphere and precipitation during LIAISE-2021
9	27/03/23	13:00	Ouaadi, Nadia	Centre d'Etudes Spatiales de la Biosphère (CESBIO), CNRS - France	Intercomparison of high spatial resolution surface soil moisture products derived from microwave data
10	27/03/23	13:20	Kim, Ed	NASA-GSFC - USA	FINE-resolution soil moisture observations during LIAISE
11	27/03/23	13:40	Zribi, Mehrez	Centre d'Etudes Spatiales de la Biosphère (CESBIO) - France	Analysis of GLORI airborne GNSS-R data for Soil Moisture estimation
	27/03/23	14:00	<b>LUNCH BREAK</b>		
<b>OBSERVATIONS - Evapotranspiration (LIAISE - GEWEX-dET)</b>					
No.	Day	Time	Name	Affiliation	Title
12	27/03/23	15:30	Cuxart, Joan	Universitat de les Illes Balears - Spain	ET: spatial variability of EC values depending on the state of the surface
13	27/03/23	15:50	Martinez-Villagrasa, Daniel	Universitat de les Illes Balears - Spain	The role of WPL correction in determining the latent heat flux through the eddy-covariance method at the rainfed site of Els Plans
14	27/03/23	16:10	Oliver-Manera, Jordi	Institut de Recerca i Tecnologia Agroalimentàries (IRTA) - Spain	Estimation of transpiration using sap flow sensors calibrated with whole canopy transpiration measurements
15	27/03/23	16:30	Moonen, Robbert	Utrecht University - The Netherlands	Investigating diurnal ecosystem scale H2O and CO2 isotope fluxes in an irrigated semi-arid environment during the LIAISE 2021 field campaign.
16	27/03/23	16:50	Martí, Belén	CNRM, Météo-France/CNRS, GMMME, Toulouse, France - France	Estimation of latent and sensible heat flux through similarity theory in semi-arid conditions
	27/03/23	16:50 - 17:20	<b>END DAY1</b>		

**DAY2 - TUESDAY 28 MARCH 2023**

**OBSERVATIONS - Evapotranspiration (LIAISE - GEWEX-dET) - continued**

No.	Day	Time	Name	Affiliation	Title
18	28/03/23	9:00	<b>Altava-Ortiz, Vicent</b>	Servei Meteorològic de Catalunya - Spain	Calculation of reference evapotranspiration using different Penman-Monteith equation approximations and radiation parameterizations
19	28/03/23	9:20	<b>Girona, Joan</b>	Institut de Recerca i Tecnologia Agroalimentàries (IRTA) - Spain	Heat waves effects on an apple orchard evapotranspiration evaluated by a weighing lysimeter.
20	28/03/23	9:40	<b>Jomé, Mathilde</b>	Laboratoire d'Aérodologie, CNRS, Université de Toulouse - France	Using Artificial Neural Network to estimate surface convective fluxes.
21	28/03/23	10:00	<b>Le Page, Michel</b>	Centre d'Etudes Spatiales de la Biosphère (CESBIO) - France	Assessment of evapotranspiration over a vineyard during the LIAISE campaign
22	28/03/23	10:20	<b>Cristóbal, Jordi</b>	Institut de Recerca i Tecnologia Agroalimentàries (IRTA) - Spain	Estimating daily evapotranspiration using the SEN-ET modelling framework during the LIAISE field campaign (Leida, 2021)
23	28/03/23	10:40	<b>Gómez-Giráldez, Pedro J.</b>	CSIC-EBD - Spain	Estimation of evapotranspiration through remote sensing in a Juniper tree ecosystem at the Doñana National Park
	28/03/23	11:00	<b>POSTER pitches + COFFEE BREAK</b>		
24	28/03/23	12:20	<b>Company, Jaume</b>	University of the Balearic Islands - Spain	Surface energy fluxes retrieval using a two-source energy balance model to improve water resources in a Mediterranean insular region: Preliminary results
25	28/03/23	12:40	<b>Quintanilla, Manuel</b>	Institut de Recerca i Tecnologia Agroalimentàries (IRTA) - Spain	Assessment of transpiration in different almond production systems with two-source energy balance models using high-resolution aerial imagery
26	28/03/23	13:00	<b>Bellvert, Joaquim</b>	Institut de Recerca i Tecnologia Agroalimentàries (IRTA) - Spain	Analysis and forecast of crop's water demand in the irrigation districts of Lleida: estimation of remote sensing ET through Copernicus-based Inputs
27	28/03/23	13:20	<b>Altés, Víctor</b>	Department of Environment and Soil Sciences, Universitat de Lleida // isardSAT - Spain	Drainage Dynamics and Irrigation Management in the Algèrri-Balaguer Irrigation District (Lleida, NE Spain)
28	28/03/23	13:40	<b>Paolini, Giovanni</b>	isardSAT - Spain	Classifying Irrigation System at Field-level using Remote Sensing Data and Machine Learning
	28/03/23	14:00	<b>LUNCH BREAK</b>		

**MODELING-OBSERVATIONS - Integrated Studies (LIAISE - GEWEX-dET)**

No.	Day	Time	Name	Affiliation	Title
29	28/03/23	15:30	<b>Hartogensis, Oscar</b>	Wageningen University - The Netherlands	LIAISE-NL: understanding evapotranspiration over complex terrain by integrating processes, scales and methodologies
30	28/03/23	15:50	<b>Aguirre Correa, Francisca</b>	Pontificia Universidad Católica de Chile - Chile	Evaporation and atmospheric boundary layer dynamics over a shallow salt-water lagoon in the Altiplano Desert
31	28/03/23	16:10	<b>Mangan, Mary Rose</b>	Wageningen University - The Netherlands	Evapotranspiration Controls across Spatial Scales of Heterogeneity: a LIAISE Data- and Modeling Study
32	28/03/23	16:30	<b>González Armas, Raquel</b>	Wageningen University - The Netherlands	Water and carbon turbulent land-atmospheric exchange across scales: from leaf to canopy to field scale
33	28/03/23	16:50	<b>Castellnou Ribau, Marc</b>	Catalan Fire Service, Universitat de Lleida, Wageningen University - Spain	ABL and Pyroconvection: 2021 Fire Season Case Study in NE Ibèria Peninsula
34	28/03/23	17:10	<b>Best, Martin</b>	UK Met Office - United Kingdom	Comparison of modelled and observed boundary layer structure for temperature and humidity
35	28/03/23	17:30	<b>Lohou, Fabienne</b>	Laboratoire d'Aérodologie, CNRS, Université de Toulouse - France	Measure and simulate turbulent fluxes over heterogeneous land surfaces: the MOSAI project
	28/03/23	17:50	<b>END DAY2</b>		

**WORKSHOP DINNER @ La Masia (<https://www.restaurantlamasia-lleida.com/es/>)  
c/democràcia, 16 - 25007 Lleida**

**DAY3 - WEDNESDAY 29 MARCH 2023**

**MODELING-OBSERVATIONS - Integrated Studies (LIAISE - GEWEX-dET) - continued**

No.	Day	Time	Name	Affiliation	Title
36	29/03/13	9:00	<b>Guerrero Calzas, Iciar</b>	Servei Meteorològic de Catalunya - Spain	Sensitivity of WRF model simulations to high-resolution static fields: Leaf Area Index and Vegetation Fraction
37	29/03/13	9:20	<b>Bech, Joan</b>	Universitat de Barcelona - Spain	An overview of precipitation observations and related microphysical processes during the LIAISE-2021 field campaign
38	29/03/13	9:40	<b>LUNEL, Tanguy</b>	CNRM - Météo-France, CNRS - France	Importance of irrigation representation in atmospheric files used for offline surface modeling
39	29/03/13	10:00	<b>Calvet, Jean-Christophe</b>	CNRM - Météo-France - France	Representing irrigation in the ISBA model
40	29/03/13	10:20	<b>Barella-Ortiz, Anaïs</b>	Observatori de l'Ebre - Spain	Simulating irrigation over the Ebro basin using the LIAISE-Ebro-Irrig-Sim (LE-IS) dataset at 1 km resolution
41	29/03/13	10:40	<b>Verhoef, Anne</b>	University of Reading - United Kingdom	The response of land surface models to changing soil parameters is dominated by the description of soil infiltration
42	29/03/13	11:00	<b>Collignan, Julie</b>	Laboratoire de Météorologie Dynamique, IPSL, Ecole Polytechnique, CNRS - France	Identifying and quantifying the effect of climatic and non-climatic drivers on river discharge in Europe
	29/03/13	11:20	<b>WORKSHOP CLOSING REMARKS + COFEE BREAK</b>		
	29/03/13	12:00	<b>LIAISE WORKING GROUP BREAKOUTS</b>		
	29/03/13	13:30	<b>LUNCH BREAK</b>		
	29/03/13	14:30	<b>LIAISE WORKING GROUPS PLENARY MEETING</b> summary discussions, wrap up, next steps		
	28/03/23	15:30	<b>END DAY3</b>		

POSTER PITCHES					
OBSERVATIONS - Surface and Boundary Layer conditions (LIAISE)					
No.			Name	Affiliation	Title
P1	27/03/23	11:00	Cuxart, Joan	Universitat de les Illes Balears - Spain	Special measurements in the LIAISE campaign area after the end of the 2021 Long Observation Period
P2	27/03/23	11:00	Belaid, Mohamed Ibrahim	Institut de Recerca i Tecnologia Agroalimentàries (IRTA) - Spain	Effect of hailnets above orchard canopies on the spectral signature of vegetation
P3	27/03/23	11:00	Wrenger, Burkhard	University of Applied Sciences and Arts Ostwestfalen-Lippe - Germany	UAV Based Imaging Activities during the LIAISE Campaign 2021
P4	27/03/23	11:00	Capo, Julie	CNRM - Météo-France, CNRS - France	High frequency atmospheric soundings from the LIAISE field campaign
OBSERVATIONS - Evapotranspiration (LIAISE - GEWEX-dET)					
No.			Name	Affiliation	
P5	28/03/23	11:00	Hartogensis, Oscar	Wageningen University - The Netherlands	Evapotranspiration methods inter-comparison at LIAISE
P6	28/03/23	11:00	Canut, Guylaine	CNRM - Météo-France, CNRS - France	Surface energy balance and thermodynamic measurements over a mobil platform on Lake Ivars during the LIAISE field campaign.
P7	28/03/23	11:00	Mangan, Mary Rose	Wageningen University - The Netherlands	First Results of Optical-Microwave Scintillometer Measurements for Open Water Evaporation
P8	28/03/23	11:00	Groh, Jannis	Forschungszentrum Jülich, Leibniz Centre for Agricultural Landscape Research - Germany	Interactions between the atmosphere and the land surface at night under semi-arid conditions
P9	28/03/23	11:00	Bozorgi, Mahsa	Institut de Recerca i Tecnologia Agroalimentàries (IRTA) - Spain	Estimation of Evapotranspiration Using SEBAL Algorithm and Landsat-8 Data - A Case Study in a Mediterranean pistachio orchard
P10	28/03/23	11:00	Jomé, Mathilde	Laboratoire d'Aérodologie, CNRS, Université de Toulouse - France	How to evaluate the representativity of reference long-term surface flux measurements in an heterogeneous landscape ?
MODELING-OBSERVATIONS - Integrated Studies (LIAISE - GEWEX-dET)					
No.			Name	Affiliation	
P11	28/03/23	11:00	Pedruzo-Bagazgoitia, Xabier	ECMWF - Germany	Exploring the IFS current and future performance at the surface-boundary layer system over a highly heterogenous land-surface
P12	28/03/23	11:00	Jimenez, Maria A.	Universitat de les Illes Balears - Spain	LIAISE-1st mesoscale model intercomparison: what have we learned?
P13	28/03/23	11:00	Mercader Carbó, Jordi	Servei Meteorològic de Catalunya - Spain	Diagnosing the reference evapotranspiration for prediction purposes using the operational version of the WRF-ARW model in the Meteorological Service of Catalonia
P14	28/03/23	11:00	Naz, Bibi S.	Forschungszentrum Jülich - Germany	Evaluation of multimodel high-resolution simulations to quantify uncertainties in hydrologic states and fluxes over the Iberian Peninsula.
P15	28/03/23	11:00	Martí, Belén	CNRM - Météo-France, CNRS, GMME - France	Simulation of surface processes at LIAISE sites using a Land Surface Modelling approach
P16	28/03/23	11:00	Garcia-Santos, Vicente	University of Valencia - Spain	Remote Sensing and Modeling Tools to Study Trends and Extreme Events Associated with Climate Change in the Iberian Mediterranean Basin