



BLLAST working meeting

14 and 15 May 2018
Palma de Mallorca

Transition, Surface heterogeneity and mountain
plain circulation



Photo credit : Solène Derrien

Organized and hosted by Universitat de les Illes Balears



Universitat
de les Illes Balears

Monday, 14th May 2018

Note that talks should not exceed 15 min, to leave plenty of time for discussion.

9h15 Introduction : Maria A. Jimenez and Marie Lothon

Transitional boundary layer

9h30 - Andrew Seidl (*University of Bergen*)

[Investigating the effects of External Forcings with the CLASS model](#)

10h00 - Erik Nilsson (*University of Uppsala*)

[Convective eddy motions in rapid transitions to near-surface stable stratification: a large-eddy simulation study](#)

10h30 - Omar El Guernaoui (*University of Bergen*)

[Revisiting the scaling for the afternoon/evening transition of the convective boundary layer](#)

11h00-11h30: Coffee break

11h30 - Line Baserud (*University of Bergen*)

[Flux retrieval from SUMO profiles](#)

12h00 – Marie Lothon (*University of Toulouse*)

[A statistical analysis of BLLAST airplane turbulence measurements during the transition](#)

Room for discussion

Lunch 13h00-14h00

Surface Heterogeneity

14h00 - Oscar Hartogensis (*University of Wageningen*) :

[ScinDi: Disaggregation of Scintillometer Fluxes](#)

14h30 Vicente Garcia-Santos (*University of Valencia*)

[SUBPIXEL campaign: Heterogeneity effects of land surface temperature from coarse \(1000 m\) to finer \(2 m\) spatial resolutions](#)

15h00 - Gemma Simó (*University of Illes Balears*)

[Observed atmospheric and surface variability on heterogeneous terrain at the hectometre scale](#)

15h30-16h00: Coffee break

16h00 - Fabienne Lohou (*University of Toulouse*) :

[MOSAI : A proposed project on surface/atmosphere process representativity and representation, based on long term network observations and dedicated field experiments](#)

16h30 - Joan Cuxart (*University of Illes Balears*)
Evapotranspiration in semi-arid region

17h00 - Belen Martí (*University of Illes Balears*)
The BOU tethered balloon: a low-cost profiling system for monitoring the lower ABL over complex terrain.

17h30-18h00: Room for discussion

Diner together (20h)
(see end of programme for directions)

Tuesday, 15th May 2018

Mountain circulation and stable boundary layer in complex terrain

9h30 - Maria Antonia Jiménez (*University of Illes Balears*)
The influence of the Aure valley in the evolution of the ABL in Lannemezan.

10h00 - Jesús Yus Díez, Mireia Udina, Maria Rosa Soler (*University of Barcelona*)
Turbulence regimes classification during BLLAST

10h30 - Josep Ramon Miró (*University of Illes Balears*)
Cerdanya-2017: presentation and preliminary results

11h00-11h30: Coffee break

11h30 - Carlos Róman Cascón (*University Complutense de Madrid, Univ. of Toulouse*) :
Some preliminary results on analysis of anabatic and catabatic winds, and impact on CO2

12h00 - Mélodie Hulin, François Gheusi, Marie Lothon (*University of Toulouse*):
Detection of plain-mountain circulation from long series of data

12h30 - Daniel Martinez (*University of Illes Balears*)
The Cerdanya Cold Pool Experiment 2015 (CCP15): a study on the valley wind system and cold air pooling within the largest Pyrenean valley

13h00-14h15: Lunch

Afternoon 14h15 to 16h30

Small group(s) working session on specific topics identified along the meeting

Sunday 13th of May

The local organizer, Maria Antonia Jiménez Cortes, proposes an excursion in the old town of Palma de Mallorca on Sunday afternoon, the 13th of May, for those who arrive ahead of time.

Interested people will meet at 15h30 on Sunday at Plaza de España. Plaza de España is a big square in front of the bus/train station (the bus from the Airport stops here). We will meet close to the big statue of Jaume I, placed in the center (<https://goo.gl/maps/AaPrCtF6HFS2>), and go for a 2- or 3-hour tour.

Please contact Maria Antonia to let her know that you plan to participate !



Diner on Monday night, 14th of May, 20h

Bar Mavi

<https://barmavisl.wordpress.com>
C/ 31 de Desembre, 29
07003 Palma de Mallorca (Illes Balears)
971 29 00 05

Localisation:

<https://goo.gl/maps/gUWZAE6rHm72>

How to get there from the workshop place:

https://maps.app.goo.gl/?link=https://goo.gl/maps/9qsqThUVcoA2?utm_source%3Dapp-invite%26mt%3D8%26pt%3D9008%26utm_medium%3DSIMPLE%26utm_campaign%3Ds2e-ai%26ct%3Ds2e-ai&apn=com.google.android.apps.maps&amv=703000000&isi=585027354&ibi=com.google.Maps&ius=comgoogle.mapsurl&utm_source=app-invite&mt=8&pt=9008&utm_medium=SIMPLE&utm_campaign=s2e-ai&ct=s2e-ai&invitation_id=493454522602-cece9e88-a145-47cc-a64b-ce315c76a93a