

BLLAST workshop 17-18 June Program

Thursday 17 June

Morning

Start: 9 am

- Intro (15 min)

Ongoing works - presentations
30 min per topic which include ~15 min presentation and questions/discussions

- David Pino
Scalar transport and moment during sunset transition
- Harm Jonker and Robert Van Driel
Convective boundary layers driven by non-stationary surface fluxes: LES and mixed-layer model results
- Jordi Vila
Atmospheric surface layer scaling in the afternoon transition (second-order model)
Atmospheric-soil-vegetation dynamics in the afternoon transition.
Afternoon transition in chemistry. What do we need from measurements?
- David Pardyjak
Modeling the decay of the convective boundary layer over heterogeneous terrain

End: 12h15

Afternoon

Start: 14h00

Preparation of the FIELD CAMPAIGN : Sites and tools

(15 to 30 min per topic including presentation and questions/discussions)

- Fabienne Lohou
Presentation of the site of Lannemezan
- Frank Beyrich
Presentation of Lindenberg experimental site and LITFASS
- Jens Bange
First results from UAV turbulence measurements in LITFASS-2009
- Harm Jonker
Analysis of the Dispersion of Smoke released in the Night-time Surface Layer

- Jordi Vilà
small overview of tools (second-order closure, mixed-layer theory, LES)
which can support the BLLAST measurements.

End: 18h00

Friday 18 June

Start: 8h30

Morning:

Preparation of the FIELD CAMPAIGN : Discussion and decisions

Strategy

Intro M. Lothon. Proposition, to start the discussion on

- site : Definite choice.

Refining the strategy, discuss needs and preparation works

- remote sensing
- aircraft operation
- soundings
- surface
- chemistry
- modelling

- Definition of data policy
- Review of the preparatory works.
- Review of the needs

Working groups

- per topic / per tool
- define leaders of working groups.

End: 12h15

Afternoon:

Start: 14h00

- **Continuation of the discussion on the field campaign**
- **fundings**
 - Result of ANR and discussion
 - Next: LEFE, DGF, BQR, EUFAR-TA (?)
 - Up to a EUFAR summer school ?

- **Conferences and publications**

- ISARS 2010: Conference on Boundary Layer remote sensing
- BLT 2010 : Conference on Boundary-Layers and Turbulence
- Review paper
- EOS brief report
- Others ?

End: 17h30

NB: There will be coffee/tea breaks during each half day for about 30 min.