

# BLLAST Newsletter - April 2011

*by M. Lothon, F. Lohou and Pierre Durand*

## **Strategy and preparation of the field-experiment:**

Ongoing experimental plans:

Pierre Durand and Fabienne Lohou have sent the updated aircraft and ground deployment strategy respectively. They are accessible at <http://bllast.sedoo.fr/campaigns/2011/> on BLLAST website.

We also included the Temporary Restricted Area that is under request for the UAV operations.

A first version of the field-experiment document should be available by mid-May, based on those contributions and others.

A new instrumental resource planned: we hope to be able to install a 25 m tower within the forest that is between site 1 and site 2, with a sonic anemometer, a licor (Li 7500) and radiation sensors.

## **EUFAR BLLATE 1 and BLLATE 2 projects accepted !**

EUFAR proposals of projects BLLATE (Boundary Layer Late Afternoon Transition Experiment) 1 and 2, submitted by David Pino and Jordi Vilà-Guerau de Arellano, have been accepted! EUFAR supports 25 flight hours of the Sky Arrow and 16 flight hours of the Piper Aztec.

(Reminder: in addition, the French programme LEFE is supporting 25 more flight hours of the Piper Atzec, and the Observatoire Midi-Pyrénées & Météo-France are supporting 15 more flight hours of the Sky Arrow.)

## **But no smoke...**

Due to uncertainty and budget pressure, we unfortunately had to give up the smoke release experiment, which is a disappointment. However, we recommend this experiment to be part of the experiment on the diurnal cycle, that will take place in Lindenberg in 2012. Note that all groups interested in participating to this 2012 experiment are welcome, and should contact Frank Beyrich ([Frank.Beyrich@dwd.de](mailto:Frank.Beyrich@dwd.de)).

## **Reminder : Field Experiment Coordinators and contacts**

General coordination	M. Lothon
Surface	F. Lohou
Aircraft operation	P. Durand
Tethered Balloons	E. Pardyjak
Radiosoundings	D. Legain
Radiation	G.-J Steeneveld
Microbarometers	C. Yagüe
Lidar	A. Dabas
UAVs	J. Cuxart & J. Reuder
Modelling	F. Couvreur & D. Pino
Data center and web site	L. Fleury
Computer hardware	E. Bargain
Logistic	Y. Bezombes

## **Reminder and status of the supports:**

- E. Pardyjak obtained an invited physicist position from Observatoire Midi-Pyrénées, University of Toulouse (2 months covering the field campaign)
- D. Pino obtained a one-month invited associate professor position at University of Toulouse (1-month position)
- French CNR-INSU LEFE program supports BLLAST for 25 k€ (soundings, tethered balloons, Piper Aztec operations)
- The Observatoire Midi-Pyrénées data center (SEDOO) works and supports the BLLAST web site, field catalog (BOC) and data base
- Météo-France supports BLLAST with significant surface instrumentation, consumables and complementary fundings.
- EUFAR proposals of the related projects BLLATE 1 and BLLATE 2 submitted by D. Pino and J. Vila Guerau de Arellano have been officially accepted (25 flight hours for the Sky Arrow, and 16 flight hours for the SAFIRE Piper Aztec)
- The NSF proposal submitted by E. Pardyjak has unfortunately not been accepted. However, this does not put into question his group's participation to BLLAST field experiment, but reduces the instrumental set up.
- There is a significant contribution of each participating group, who all bring their own (very important !) bricks to the project's budget and realisation.

**BLLAST logo:**

BLLAST logo is the following ! :



Boundary Layer Late Afternoon and Sunset Turbulence

Thank you all for your numerous and nice contributions !!!

**BLLAST web site:**

Check <http://blast.sedoo.fr/> and send us your inputs to improve the web site, fill it with more science, details and ideas --- all welcome !

All principal investigators will be contacted by the SEDOO team for the BLLAST Operational Center to integrate Quick Looks of their measurements during the experiment.