BLLAST Project website

BLLAST Operation Center website

Data / Metadata management

SEDOO - SErvice DOnnées OMP

+

Yves Meyerfeld, LA

+

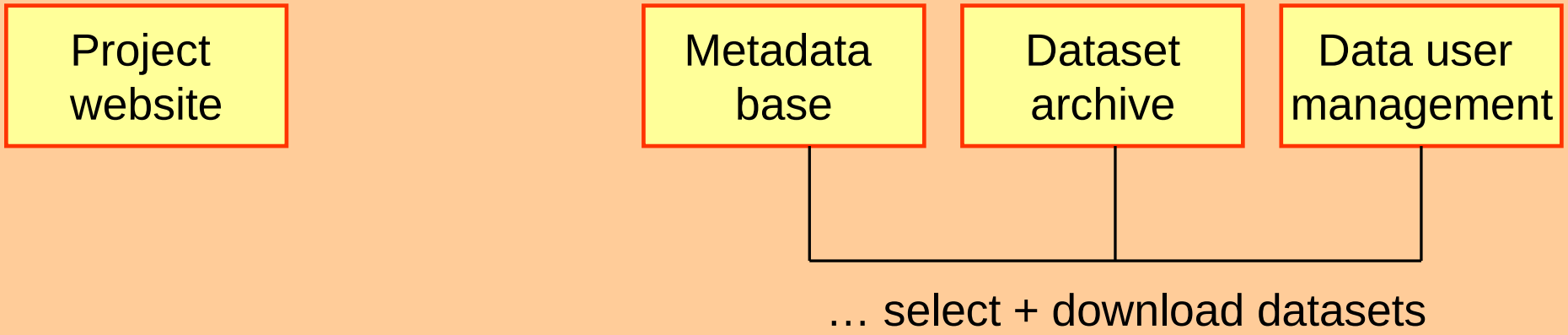
Active participation of all the BLLAST scientists !!

SEDOO team activities in BLLAST

Project website	BOC website	Metadata base	Dataset archive	Data user management

SEDOO team activities in BLLAST

Set up the online tools to …



Laurence Mastrorillo

SEDOO team activities in BLLAST

Set up of online tools to …

BOC website

… meet the operational / real time needs for the airborne and ground-based observations during the field campaign

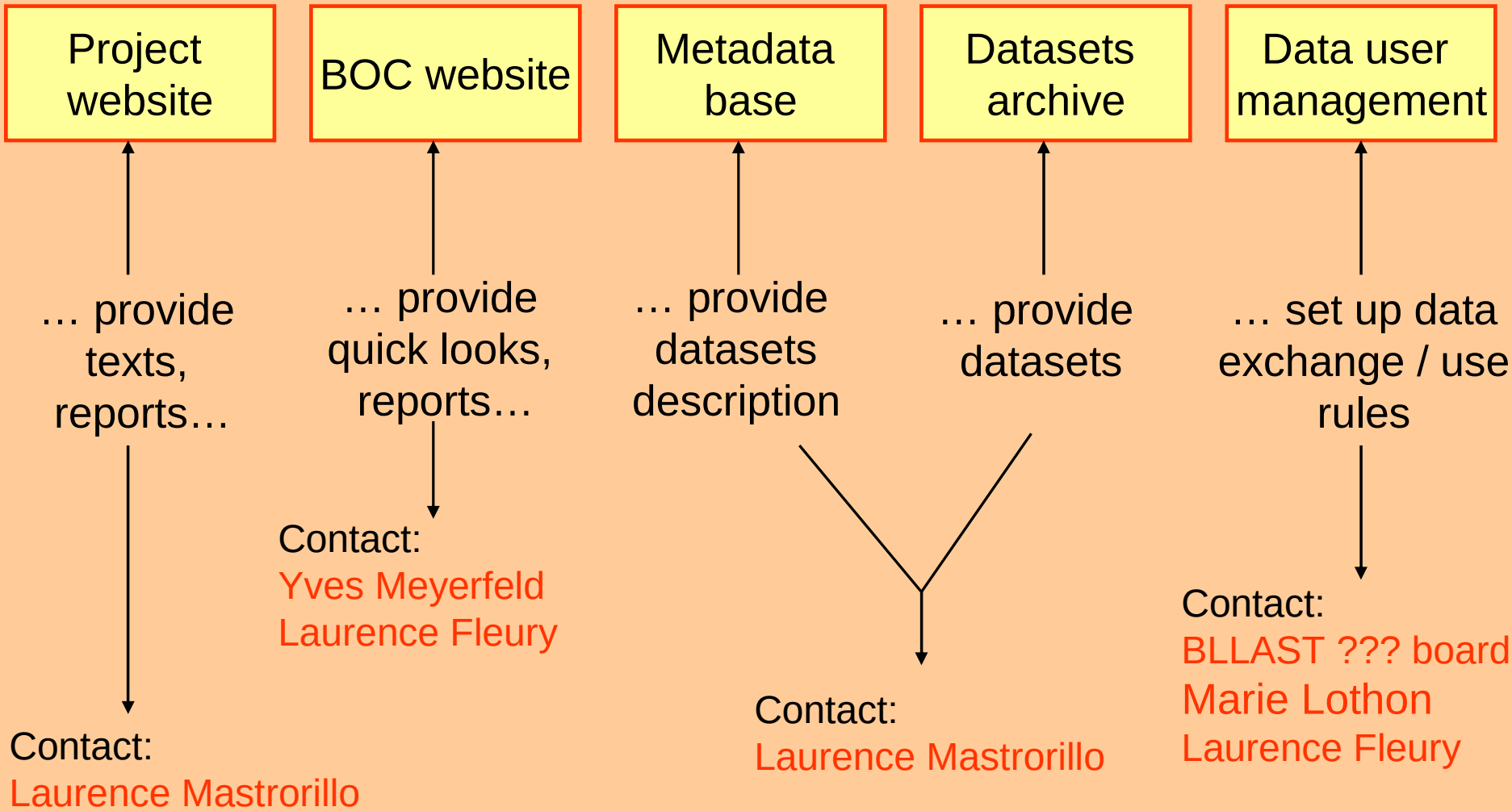
+

… provide a testimonial view on the campaign and an investigation tool through the different situations

Jean-Luc Boichard

SEDOO team activities in BLLAST

Your participation is needed to …



BOC website - **http://boc.sedoo.fr**

Quick looks of operational and BLLAST observations, forecast and analysis model outputs, briefing reports …

News

Date selection

Products selection

http://boc.sedoo.fr/observation/profiler/uhf/index.en.php?current=20110223

BLLAST February 19 2011

Home>Campain>Continuous observations>Boundary layer profiling>Wind Profilers>UHF Site 1 Base Time: 02-19-2011

UHF Site 1 - - VHF Site 1 - -

Wind profilers: UHF Site 1

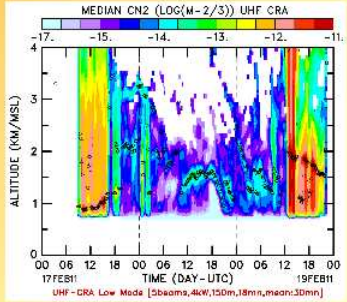
available at 1/4H + 5mn

- **Archives**

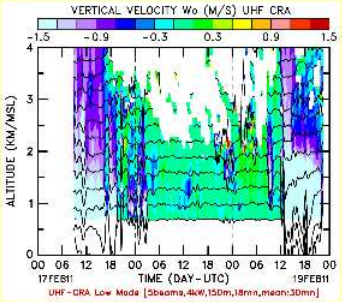
BOC Info

- Reports
  - Daily briefings
- Forecasts
  - ARPEGE
  - AROME
  - Tarbes CDM local forecast
- Continuous observations
  - Surface layer
    - Basic meteorological variables
    - Turbulence Surface stations
    - Radiation
    - Microbarometers
    - Scintillometers
  - Boundary layer profiling
    - Wind Profilers
  - Sky monitoring
- Intensive observations
  - Balloons
  - Smokes and aerosols
  - Lidars
  - Unmanned Aerial Vehicles
  - Aircrafts

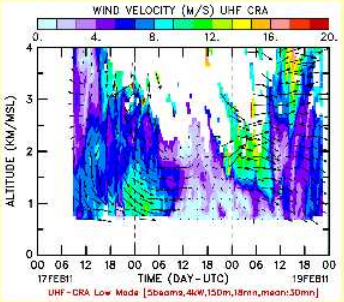
Products Availability & Contacts
Contact us



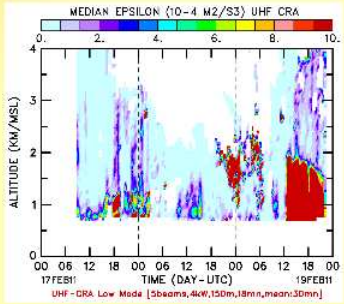
Réflectivité (*max local)



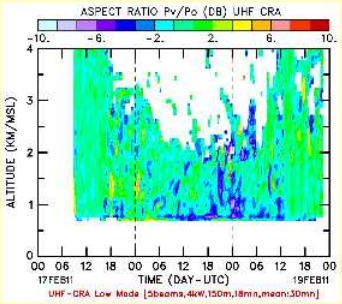
Vitesse verticale



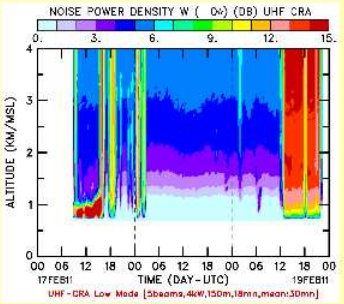
Vent horizontal



Turbulence (Epsilon)



Rapport d'aspect

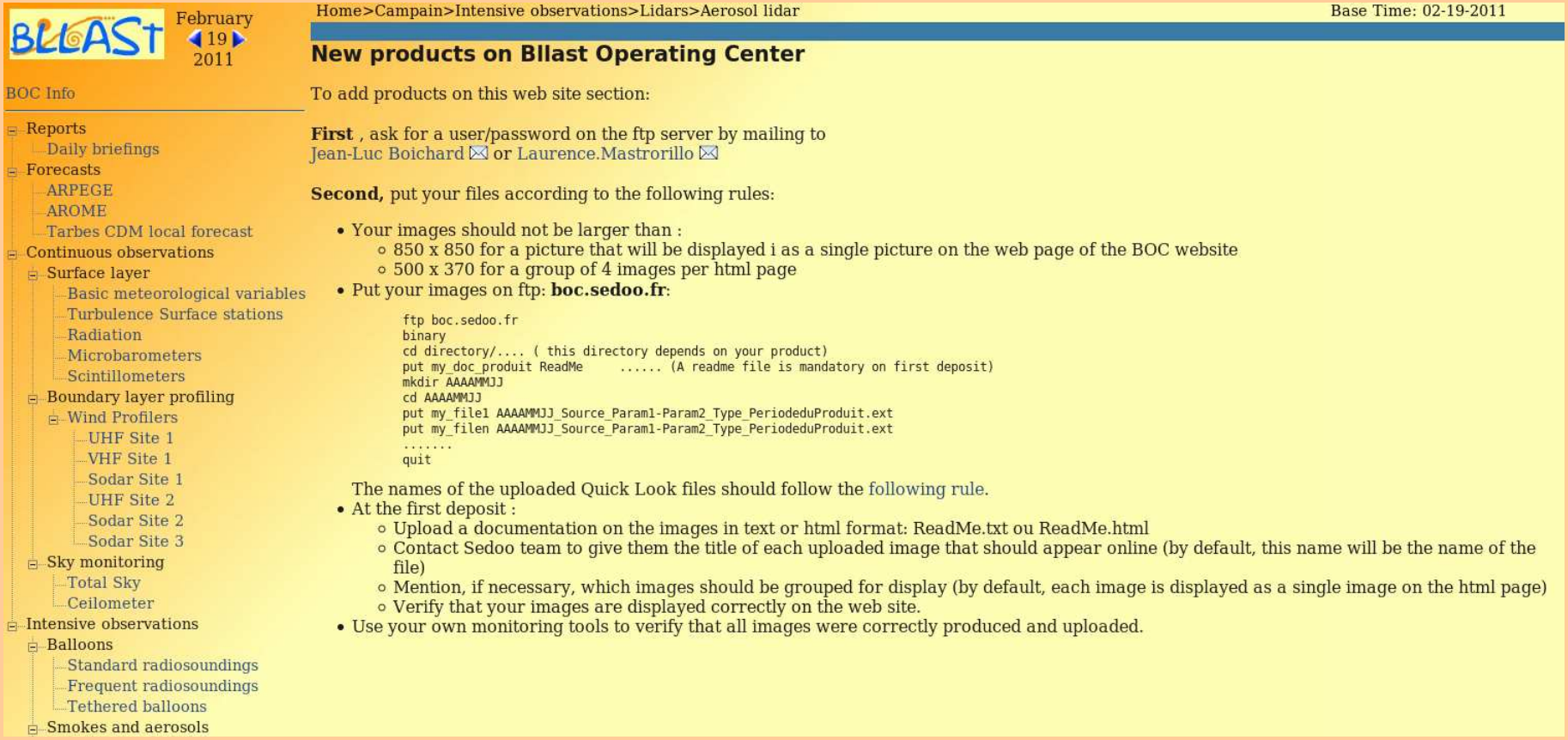


Puissance du bruit

Providing products

- products to be fetched on a website → please contact us and indicate product address and features (type, display options, frequency…)

- quick looks that you make → please read the guidelines, respect naming conventions [AAAAMMJJ_Source_Parameter_Type_Frequency.ext], use ftp deposit site and … contact us !



BLLAST February 19 2011

BOC Info

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    - Radiation
    - Microbarometers
    - Scintillometers
  - Boundary layer profiling
    - Wind Profilers
      - UHF Site 1
      - VHF Site 1
      - Sodar Site 1
      - UHF Site 2
      - Sodar Site 2
      - Sodar Site 3
  - Sky monitoring
    - Total Sky
    - Ceilometer
- Intensive observations
  - Balloons
    - Standard radiosoundings
    - Frequent radiosoundings
    - Tethered balloons
  - Smokes and aerosols

Home>Campain>Intensive observations>Lidars>Aerosol lidar — Base Time: 02-19-2011

New products on Bllast Operating Center

To add products on this web site section:

First , ask for a user/password on the ftp server by mailing to
Jean-Luc Boichard ✉ or Laurence.Mastrorillo ✉

Second, put your files according to the following rules:

- Your images should not be larger than :
  - 850 x 850 for a picture that will be displayed i as a single picture on the web page of the BOC website
  - 500 x 370 for a group of 4 images per html page
- Put your images on ftp: **boc.sedoo.fr**:

```
ftp boc.sedoo.fr
binary
cd directory/.... ( this directory depends on your product)
put my_doc_produit ReadMe     ..... (A readme file is mandatory on first deposit)
mkdir AAAAMMJJ
cd AAAAMMJJ
put my_file1 AAAAMMJJ_Source_Param1-Param2_Type_PeriodeduProduit.ext
put my_filen AAAAMMJJ_Source_Param1-Param2_Type_PeriodeduProduit.ext
.......
quit
```

The names of the uploaded Quick Look files should follow the following rule.

- At the first deposit :
  - Upload a documentation on the images in text or html format: ReadMe.txt ou ReadMe.html
  - Contact Sedoo team to give them the title of each uploaded image that should appear online (by default, this name will be the name of the file)
  - Mention, if necessary, which images should be grouped for display (by default, each image is displayed as a single image on the html page)
  - Verify that your images are displayed correctly on the web site.
- Use your own monitoring tools to verify that all images were correctly produced and uploaded.

Contact us?

At present: Jean-Luc.Boichard@obs-mip.fr

Products	Available	Source-Complementary data	Contact
Daily briefings	2 per days		Scientific secretary
ARPEGE	every 3 hours		E. Bazile or Yann Seity
AROME	1 per hour		E. Bazile or Yann Seity
Tarbes CDM local forecast			P. Bornua
Turbulence Surface stations	1 per day		✉
Radiation			G. J. Steeneveld
Microbarometers	1 per day		Carlos Yagüe
Scintillometers	1 per day		Dominique Legain
	1 per day		O. Hartogensis
UHF Site 1	1/4H + 5mn	www.aero.obs-mip.fr/specials/images_uhf.html	✉
VHF Site 1	1/2H + 5mn	www.aero.obs-mip.fr/specials/images_st.html	✉
Sodar Site 1	1 per day		Joan Cuxart
UHF Site 2			
Sodar Site 2	1 per day		Patrick Augustin
Sodar Site 3	1 per day		
Total Sky	H + 5mn	www.aero.obs-mip.fr/spip.php?article354	Solène Derrien
Ceilometer			Dominique Legain
Standard radiosoundings			Solène Derrien
Frequent radiosoundings			Dominique Legain
Tethered balloons			Dominique Legain
			Eric Pardyjak
			Fabienne Lohou
			Dominique Legain
Smoke release			Harm Jonker
Aerosol measurements			Pascal Flament
Doppler lidar			Alain Dabas or Fabien Gibert
Raman lidar			Eric Pardyjak
Aerosol lidar			Patrick Augustin
UAV MASC			Jens Bange
UAV M2AV			Thomas Aschenbrenner
UAV UMARS			Bruno Neininger
UAV Sirius II			Claussen
SUMO 1			Joachim Reuder
SUMO 2			Joachim Reuder
SUMO 3			Joachim Reuder
Multicopter flight			Wrenger et Warmers
Aerosols			Pascal Flament
Piper Aztec	1 pdf file per flight		Pierre Durand
Sky Arrow	1 pdf file per flight		Beniamino Gioli

BOC website contact for each product:

Yves.Meyerfeld@la.obs-mip.fr
or
Laurence.Fleury@obs-mip.fr

Mail to the scientific contact
to be sent in March → define products supply type, frequency…

BLLAST Web site : http://bllast.sedoo.fr/

Home ▸ Participants

- Objectives
- Documents
- Field Campaigns
  - 2011 Field campaign
- Modelling
- Workshops
- Participants
- Supports

- Bllast operational center
- Database

BLLAST participants

LASTNAME	FIRSTNAME	LAB	CITY	COUNTRY
Lothon	Marie	LA	Toulouse	FR
Lohou	Fabienne	LA	Toulouse	FR
Durand	Pierre	LA	Toulouse	FR
Saïd	Frédérique	LA	Toulouse	FR
Campistron	Bernard	LA	Toulouse	FR
Bézombes	Yannick	LA	Toulouse	FR
Derrien	Solène	LA	Toulouse	FR

Contribute by sending texts, images, reports

Database

- Metadata : forms to fill with data description
  - Contribute by choosing which information will be needed : dataset title, abstract, purpose, coordinates, site name, sensor information, measured parameters, temporal extent …
- Data : file system of data files provided by each PI xxx months after the campaign

Example of Metadata froms

Citations

Contact scientifique: marc.pontaud@meteo.fr

Contact technique: bruno.piguet@meteo.fr

Date de Publication (AAAA-MM-JJ): 2004-12-10

Titre du jeux de données

CarboEurope-RegionalExperiment-AIRCRAFTS-AZTEC

Url du jeux de données*

http://medias.obs-mip.fr/carbo/data/AIRCRAFTS/AZTEC

Description du jeux

Résumé

Atmospheric state parameters (T, Humidity, wind) and CO concentation measured onboard SAFIRE's Piper-Aztec.

Objet/But

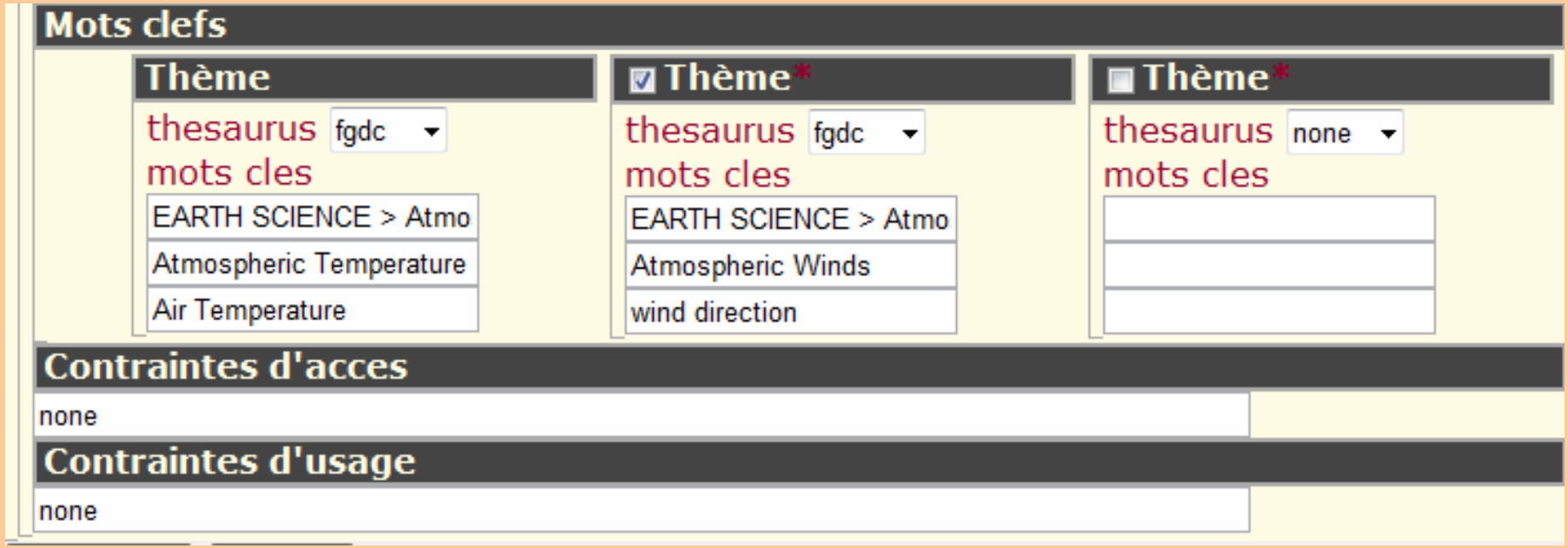
[CO] measured by thermo_environnemental modele 48CTL; Temperature measured by Rosemount E102AL sensor; Pressure measured by rosemount transducer; Position and speed measured by GPS Trimble model xxxjkjhg

Limites temporelles (AAAA-MM-JJ)

Date de Début: 2005-05-01 Date de Fin: 2005-06-30

Limites géographiques du jeu de données (en degré et millièmes)

Longitude Ouest	Longitude Est	Latitude Nord	Latitude Sud
-6.0	2.0	47.0	41.0



http://carboregional.sedoo.fr/

Example of web data access

Data Set's type	5	131/132	Data received at 12/08/2008
AIRCRAFT			4077 files (17351 Mb)
Aztec			64 files (45 Mb)
In-situ_standard_parameters			51 files (24 Mb) received between 05/10/2005 and 13/10/2005
Condor			12 files (21 Mb) received between 10/11/2005 and 06/12/2005
Flasks			1 files (46 Kb) received between 15/11/2005 and 15/11/2005
ISAFoM_Sky-Arrow			3889 files (15051 Mb) received between 11/05/2005 and 10/01/2006
IBIMET_Sky-Arrow			89 files (53 Mb)
In-situ_standard_parameters			88 files (53 Mb) received between 24/11/2005 and 24/11/2005
Fluxes			1 files (430 Kb) received between 13/09/2006 and 13/09/2006
Dimona			35 files (2203 Mb)

Direct access to data files :

Index of /carbo/DATA/2005/AIRCRAFT/Aztec/In-situ_standard_parameters

Name	Last modified	Size	Description
Parent Directory		-	
AZTEC_20050518_01_v1.asc.gz	05-Oct-2005 09:36	528K	
AZTEC_20050519_01_v1.asc.gz	11-Oct-2005 13:41	1.0M	
AZTEC_20050519_02_v1.asc.gz	05-Oct-2005 09:36	941K	
AZTEC_20050520_01_v1.asc.gz	05-Oct-2005 09:36	315K	
AZTEC_20050524_01_v1.asc.gz	05-Oct-2005 09:36	1.2M	
AZTEC_20050525_01_v1.asc.gz	05-Oct-2005 09:36	1.0M	
AZTEC_20050525_02_v1.asc.gz	05-Oct-2005 09:36	1.0M	
AZTEC_20050526_01_v1.asc.gz	05-Oct-2005 09:36	934K	
AZTEC_20050527_01_v1.asc.gz	05-Oct-2005 09:36	1.1M	
AZTEC_20050527_02_v1.asc.gz	05-Oct-2005 09:36	1.0M	
AZTEC_20050601_01_v1.asc.gz	05-Oct-2005 09:36	1.0M	
AZTEC_20050601_02_v1.asc.gz	05-Oct-2005 09:36	1.0M	
AZTEC_20050606_01_v1.asc.gz	05-Oct-2005 09:36	871K	

Data policy agreement purposes

- Data policy is a key issue for an **efficient data exchange** inside the project and beyond it.

- Defining **mutual rights and obligations of data producers / owners and data users**.

- To be set up as early as possible because it may impose constraints to the data management and distribution system

→ First version of the text written in March (M. Lothon, L. Fleury)

→ BLLAST should designate a « board » to discuss, modify and … endorse it

Data policy agreement

Data availability	Quality-controlled data provided within 4? 6? months after data acquisition. Delay for datasets requiring a longer processing time.
Data format	Use of a standard format if any (e.g. Nasa AMES, NetCDF) or simple ascii files (metadata header + tabs 1 column = 1 parameter)
Data users	BLLAST participants during a reserved access period (18 to 24 months after data acquisition ?) Afterwards : open to the scientific community.
User registration during the reserved access period	On line registration or list of authorized persons.
User registration afterwards	On line registration + automatic password ?
Monitoring of BLLAST scientific production	Send publications making use of BLLAST data to the project leaders as soon as they are submitted ?

Data producers' duties

- Quality-controlled data available within the defined period.
- Dataset provided with relevant information and format description and/or read program file.
- The dataset can be updated at any time. The data producer is responsible for providing the best quality version of the dataset to the BLLAST database.

Data users' duties

• Contact the producer of the data in order to offer collaboration (set up of automatic mails *?*)

• Never redistribute data to any other person or institution.

• Never use data for commercial exploitation.

• Sole use of the data for scientific or educational activities.

<u>In case of a publication using BLLAST data:</u>

• Offer joint authorship with the data producer. If co-authorship is not relevant, at least acknowledge the data provider.

• Acknowledge the agencies which have funded BLLAST data collection (sentence to be defined ?) and the data centre.

SEDOO team activities in BLLAST

Your participation is needed to …