BLLAST operation center website, metadata and data bases

SEDOO - SErvice DOnnées OMP

Jean-Luc Boichard
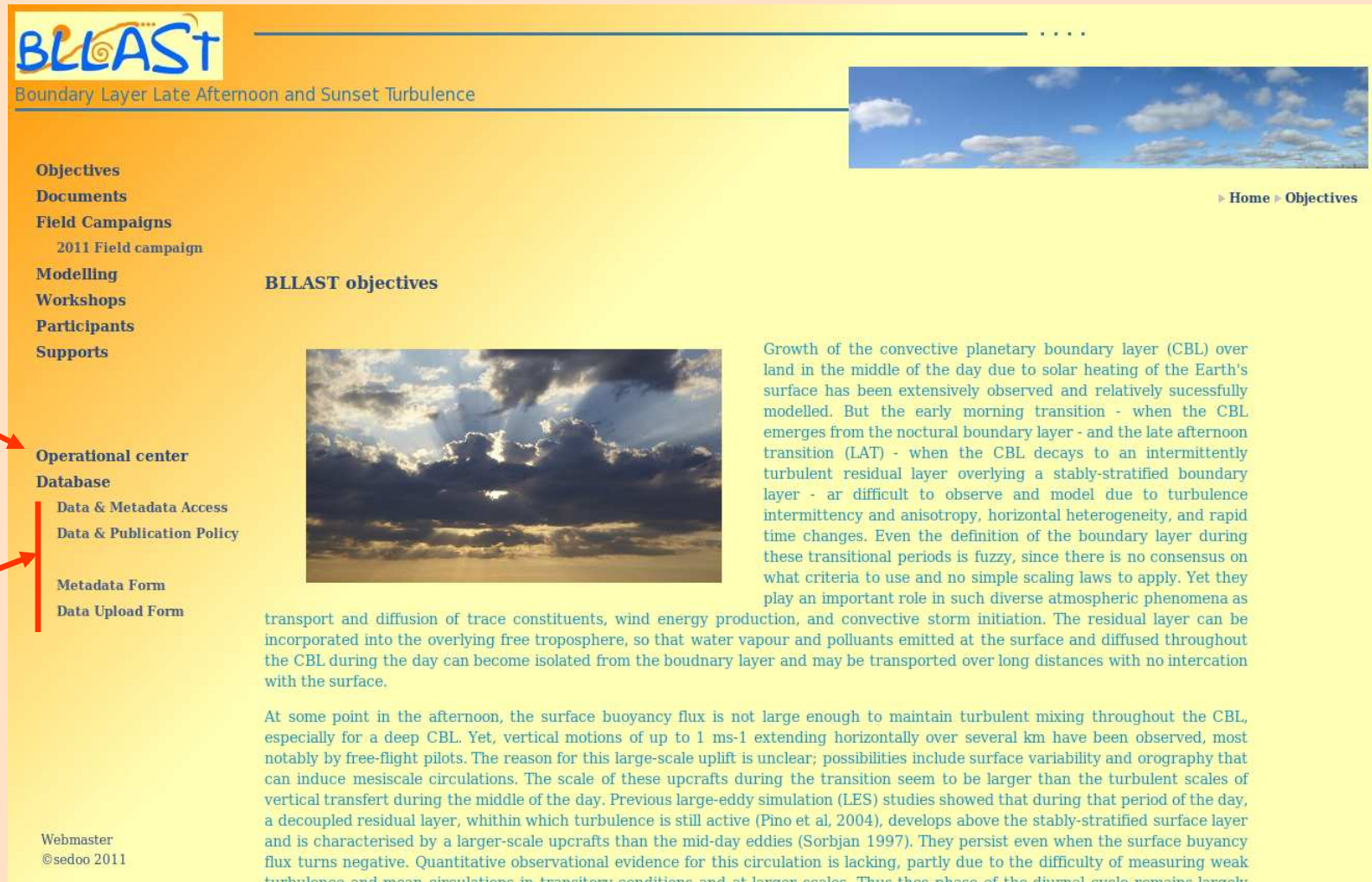
Bayero Barry

Laurence Mastrorillo

<u>Laurence Fleury</u>

and Yves Meyerfeld, **LA**

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

BOC

Database pages

Coming soon: **a BLLAST photo gallery**
Marie Lothon collects the pictures!

http://boc.sedoo.fr

Date selection

Product selection

- **Operational during the field campaign**
- **Final version online**
  testimonial view
  investigation tool
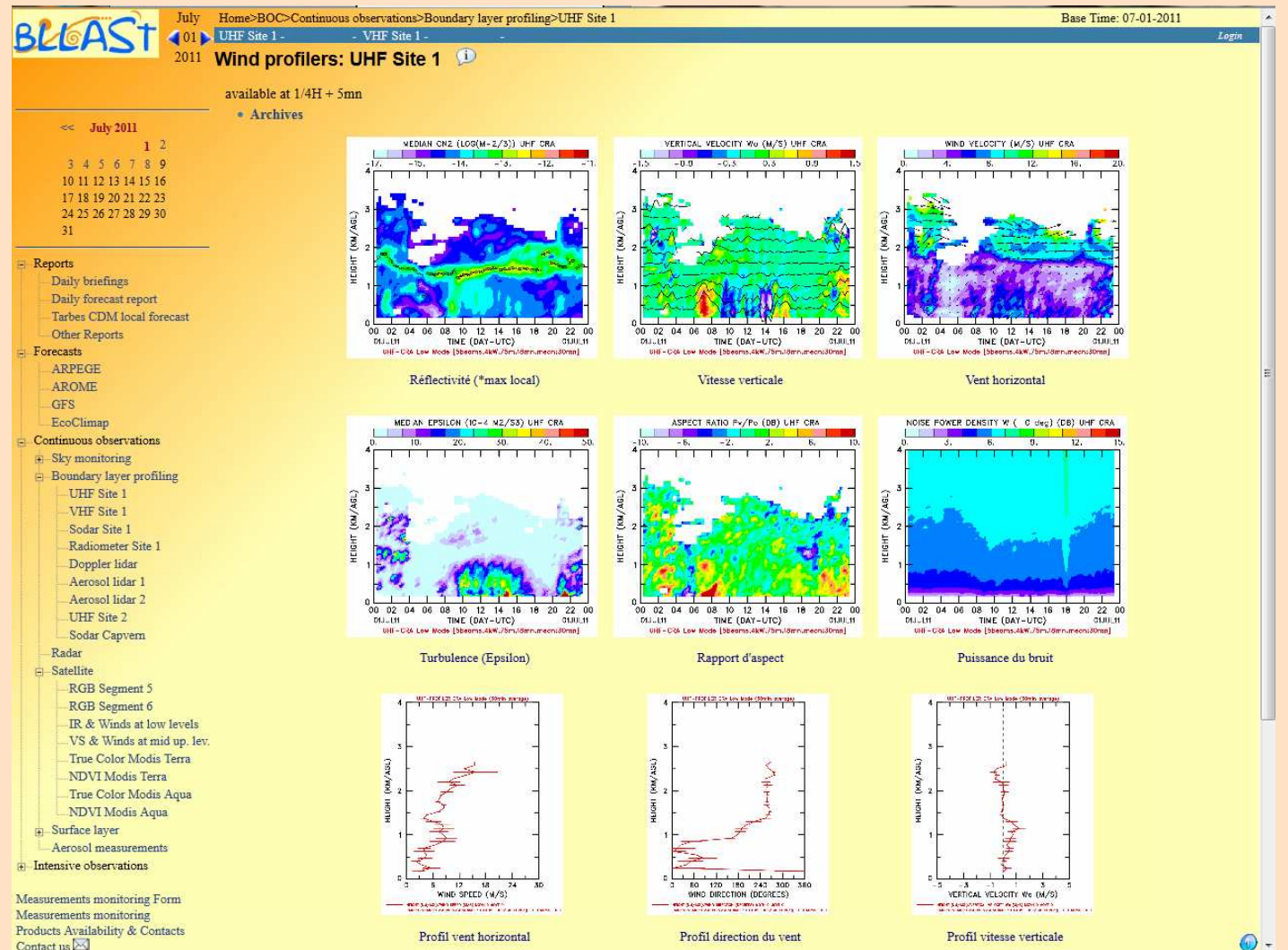
Adding **new quick looks** possible but
- the file naming convention has to be strictly respected
- standard display only
Please contact: Jean-Luc.Boichard@obs-mip.fr

Doodle form

New information about instrument status
- fill the doodle form
- mail to: Jean-Luc.Boichard@obs-mip.fr

Database tools: data upload page

Upload Form

Datasets	Data to upload
Aircraft	
Piper-Aztec core meteorological in-situ measurements	[_____] Parcourir...
Piper-Aztec high-frequency and raw measurements	[_____] Parcourir...
Piper Aztec Turbulence	[_____] Parcourir...
Sky Arrow	[_____] Parcourir...
Balloons	
Radiosoundings	
Frequent soundings Site 2	[_____] Parcourir...
GRAW UC Davis	[_____] Parcourir...
GRAW Univ Bonn	[_____] Parcourir...
MODEM Radiosoundings	[_____] Parcourir...
Tethered balloons	
Tethered balloons Bonn Site 2	[_____] Parcourir...
Tethered balloons CNRM Site 1	[_____] Parcourir...
Tethered balloons LA Site 2	[_____] Parcourir...
Tethered balloons UTAH site 2	[_____] Parcourir...

Status

41 expected datasets

27 datasets provided to the db

→ Recovering ratio : **66%**

+ bonus:

3 COST UAVs datasets

Many formats

- Selfdescriptive: Netcdf…
- ASCII + ReadMe / pdf file
- For some instrument types: same format for all the representers.

BLLAST data policy:

Quality controlled data must be submitted **by 31st December 2011**. For datasets corresponding to a **second-level processing and quality control,** a second deadline is set to **30 June 2012**.

Database tools: metadata form

Please **complete the metadata** before / while providing data
(about 10 – 15 minutes)

Bllast Metadata Registration

Contact informations

Point of contact	
Organisation name	
Individual name	
E-mail	
Responsable party role	Point of contact ▾

Identification

Resource title

Resource abstract

Geographic Location

Plateform type
-- level1 -- ▾ ▾

Plateform name

Geographic bounding box

North Bound Latitude	
East Bound Longitude	
South Bound Latitude	
West Bound Longitude	

Sites

Among the 27 provided datasets: 9 without metadata information.

→ users have to download data to access information

→ unregistered users can't get any information

→context of DOI set up

Digital Object Identifier set up

- DOI: usual for publications

  increasing use for datasets

  (cf. **DataCite gateway:** 500 000 references)

- Dataset is **referenced** in Datacite as soon as it is provided.
- Dataset DOI **can be cited in publications**, listed in the references.
- Datacite displays very few information but the **URL of the metadata** (of no use if they are not filled…)

- DOI is composed of a numerical prefix (delivered by INIST to SEDOO - done) / an **alphabetic code to be defined** by the BLLAST scientists (e.g.: bllast.instrumentshortname ?)

www.datacite.org

DataCite Content Service Alpha

Metadata URL

doi:10.1594/PANGAEA.683833

This page represents DataCite's metadata for *doi:10.1594/PANGAEA.683833*. For a landing page of this dataset please follow http://dx.doi.org/10.1594/PANGAEA.683833

Citation	Georgopoulos, Dimitrios; Zervakis, Vassilis (2008): Hydrology dataset based on 111 CTD stations in the North Aegean Sea during June 1998 from the project INTERREGAEGEAN. PANGAEA - Data Publisher for Earth & Envi Science. http://dx.doi.org/10.1594/PANGAEA.683833 [BIBTEX] [RIS]

Descriptions

Abstract	The combination of two research projects offered us the opportunity to perform a comprehensive study of the seasonal evolution of the hydrological structure and the circulation of the North Aegean Sea, at the northern the eastern Mediterranean. The combination of brackish water inflow from the Dardanelles and the sea-bottom relief dictate the significant differences between the North and South Aegean water columns. The relatively highly saline South Aegean waters enter the North Aegean through the dominant cyclonic circulation of the basin. In the North Aegean, three layers of distinct water masses of very different properties are observed: The thick surface layer is occupied mainly by Black Sea Water, modified on its way through the Bosphorus, the Sea of Marmara and the Dardanelles. Below the surface layer there is warm and highly saline water originating i Aegean and the Levantine, extending down to 350-400 m depth. Below this layer, the deeper-than-400 m basins of the North Aegean contain locally formed, very dense water with different i/S characteristics at each sub circulation is characterised by a series of permanent, semi-permanent and transient mesoscale features, overlaid on the general slow cyclonic circulation of the Aegean. The mesoscale activity, while not necessarily imp enhancing isopycnal mixing in the region, in combination with the very high stratification of the upper layers, however, increases the residence time of the water of the upper layers in the general area of the North Aegean result, water having out-flowed from the Black Sea in the winter, forms a separate distinct layer in the region in spring (lying between "younger" BSW and the Levantine origin water), and is still traceable in the water colu summer.

Resource type

Collection	Collection of Datasets

Subjects

Campaign	INTERREG-JUNE-1998
Basis	Aegaeo
Project	Invest. of new marine biol. resources in deep waters of Ionian and Aegean Seas (INTERREG)

License	Creative Commons Attribution 3.0 Unported (CC-BY)
Size	117 datasets
Language	eng
Formats	application/zip

Related identifiers

Cites	url:http://www.medit-mar-sc.net/contents/pdf/PDF%20FILES%20vol%203%20numb%201/05-20.pdf
Cites	url:http://www.medit-mar-sc.net/contents/pdf/PDF%20FILES%20vol%203%20numb%201/43-54.pdf
Cites	doi:10.1016/S0967-0637(02)00144-9
Cites	url:http://www.gnest.org/Journal/vol3_No2/pavlidou71-84.pdf
Cites	url:http://www.psp-parlar.de/details_artikel.asp?tabelle=FEBArtikel&artikel_id=738&jahr=2001
Cites	url:http://www.medit-mar-sc.net/contents/pdf/PDF%20FILES%20vol%203%20numb%201/65-78.pdf
Cites	doi:10.1016/j.dsr.2007.11.002

Contributors

HostingInstitution	Centre de Formation et de Recherche sur l'Environnement Marin, Universite de Perpignan

Other metadata formats

x-datacite+xml	http://data.datacite.org/application/x-datacite+xml/10.1594/PANGAEA.683833

PANGAEA®
Data Publisher for Earth & Environmental Science

Data Description

Show Map | Google Earth

Citation:	**Georgopoulos, Dimitrios; Zervakis, Vassilis (2008):** Hydrology dataset based on 111 CTD stations in the North Aegean Sea during June 1998 from the project INTERREGAEGEAN. *Centre de Formation et de Recherche sur l`Environnement Marin, Universite de Perpignan*, doi:10.1594/PANGAEA.683833

Reference(s):

Zervakis, Vassilis; Georgopoulos, Dimitrios (2002): Hydrology and circulation in the North Aegean (eastern Mediterranean) throughout 1997 and 1998. *Mediterranean Marine Science*, **3/1**, 5-19, http://www.medit-mar-sc.net/contents/pdf/PDF%20FILES%20vol%203%20numb%201/05-20.pdf

Krasakopoulou, Evangelia; Zervakis, Vassilis; Souvermezoglou, Ekaterini; Georgopoulos, Dimitrios (2002): North-eastern Aegean sea: an effort to estimate steady-state N & P budgets during September 1998. *Mediterranean Marine Science*, **3/1**, 43-53, http://www.medit-mar-sc.net/contents/pdf/PDF%20FILES%20vol%203%20numb%201/43-54.pdf

Zervakis, Vassilis; Krasakopoulou, Evangelia; Georgopoulos, Dimitrios; Souvermezoglou, Ekaterini (2003): Vertical diffusion and oxygen consumption during stagnation periods in the deep North Aegean. *Deep-Sea Research Part I-Oceanographic Research Papers*, **50(1)**, 53-71, doi:10.1016/S0967-0637(02)00144-9

Pavlidou, Alexandra; Georgopoulos, Dimitrios (2001): Dissolved Oxygen and Nutrients in coastal waters impacted by the Strymon River plume, North Aegean Sea, Greece. *Global Nest*, **3(2)**, 71-84, http://www.gnest.org/Journal/vol3_No2/pavlidou71-84.pdf

Pavlidou, Alexandra; Papadopoulos, V; Zervakis, Vassilis (2001): Hydrology and nutrient - dissolved oxygen distributions in coastal waters affected by the Nestos River plume, north Aegean Sea, Greece. *Fresenius Environmental Bulletin*, **10(11)**, 823-831, http://www.psp-parlar.de/details_artikel.asp?tabelle=FEBArtikel&artikel_id=738&jahr=2001

Pavlidou, Alexandra; Papadopoulos, V; Hatzianestis, I; Sklivagou, E; Zervakis, Vassilis (2002): Hydrology and pollution assessment in a coastal Estuarine system. The case of Strymonikos Gulf (North Aegean Sea). *Mediterranean Marine Science*, **3/1**, 65-78, http://www.medit-mar-sc.net/contents/pdf/PDF%20FILES%20vol%203%20numb%201/65-78.pdf

Karageorgis, Aristomenis P; Gardner, Wilford; Georgopoulos, Dimitrios; Mishonov, Alexey V; Krasakopoulou, Evangelia; Anagnostou, Christos L (2008): Particle dynamics in the Eastern Mediterranean Sea: A synthesis based on light transmission, PMC, and POC archives (1991-2001). *Deep-Sea Research Part I-Oceanographic Research Papers*, **55(2)**, 177-202, doi:10.1016/j.dsr.2007.11.002

Abstract: The combination of two research projects offered us the opportunity to perform a comprehensive study of the seasonal evolution of the hydrological structure and the circulation of the North Aegean Sea, at the northern extremes of the eastern Mediterranean. The combination of brackish water inflow from the Dardanelles and the sea-bottom relief dictate the significant differences between the North and South Aegean water columns. The relatively warm and highly saline South Aegean waters enter the North Aegean through the dominant cyclonic circulation of the basin. In the North Aegean, three layers of distinct water masses of very different properties are observed: The 20-50 m thick surface layer is occupied mainly by Black Sea Water, modified on its way through the Bosphorus, the Sea of Marmara and the Dardanelles. Below the surface layer there is warm and highly saline water originating in the South Aegean and the Levantine, extending down to 350-400 m depth. Below this layer, the deeper-than-400 m basins of the North Aegean contain locally formed, very dense water with different i/S characteristics at each subbasin. The circulation is characterised by a series of permanent, semi-permanent and transient mesoscale features, overlaid on the general slow cyclonic circulation of the Aegean. The mesoscale activity, while not necessarily important in enhancing isopycnal mixing in the region, in combination with the very high stratification of the upper layers, however, increases the residence time of the water of the upper layers in the general area of the North Aegean. As a result, water having out-flowed from the Black Sea in the winter, forms a separate distinct layer in the region in spring (lying between "younger" BSW and the Levantine origin water), and is still traceable in the water column in late summer.

Project(s): **Invest. of new marine biol. resources in deep waters of Ionian and Aegean Seas** (INTERREG)

Coverage: *Median Latitude:* 40.211214 * *Median Longitude:* 24.783954 * *South-bound Latitude:* 39.050000 * *West-bound Longitude:* 23.730000 * *North-bound Latitude:* 40.830000 * *East-bound Longitude:* 25.990000

Date/Time Start: 1998-06-15T17:00:00 * *Date/Time End:* 1998-06-23T07:10:00

Event(s): **JUNE-1998-EV01** * *Latitude:* 40.750000 * *Longitude:* 25.910000 * *Date/Time:* 1998-06-19T10:20:00 * *Campaign:* INTERREG-JUNE-1998 * *Basis:* Aegaeo * *Device:* CTD/Rosette

JUNE-1998-EV02 * *Latitude:* 40.760000 * *Longitude:* 25.990000 * *Date/Time:* 1998-06-19T09:40:00 * *Campaign:* INTERREG-JUNE-1998 * *Basis:* Aegaeo * *Device:* CTD/Rosette

JUNE-1998-EV02A * *Latitude:* 40.760000 * *Longitude:* 25.990000 * *Date/Time:* 1998-06-19T09:45:00 * *Campaign:* INTERREG-JUNE-1998 * *Basis:* Aegaeo * *Device:* CTD/Rosette

Size: 117 datasets

Database tools: metadata / data access

95 registered users
(cf. bllast diffusion list)

Dataset access monitoring
being set up.

Please report any problem
with the data access tool
or the data format.

Status and 2012 tasks

- The different tools are developed and online.
  Please report any problem or suggestion.

- Planed improvements:
  - **DOI set up**
  - **Data access monitoring**
  - **Photo gallery set up**

- Updates
  - More **metadata and datasets**
  - **New versions** of the datasets already provided
  - New « instrument »: **MODEL** (but volume constraints)
  - New documents, pages in the **BLLAST website**

- User support

- Contact: **laurence.mastrorillo@obs-mip.fr**