



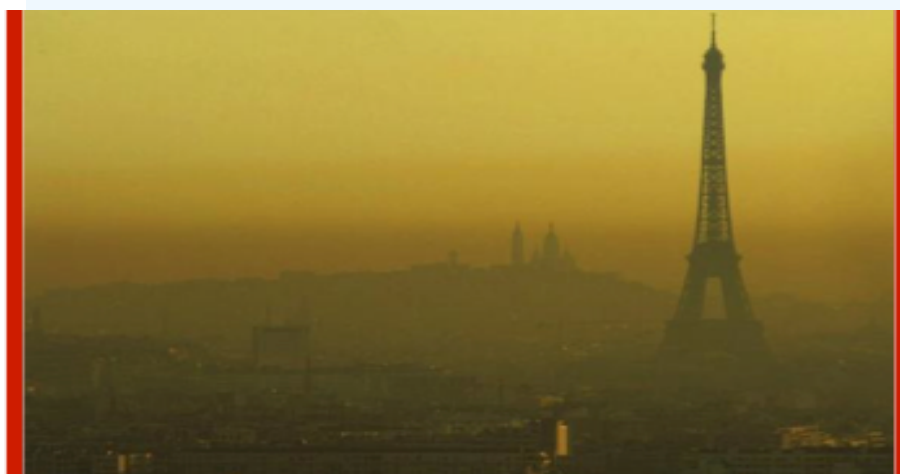
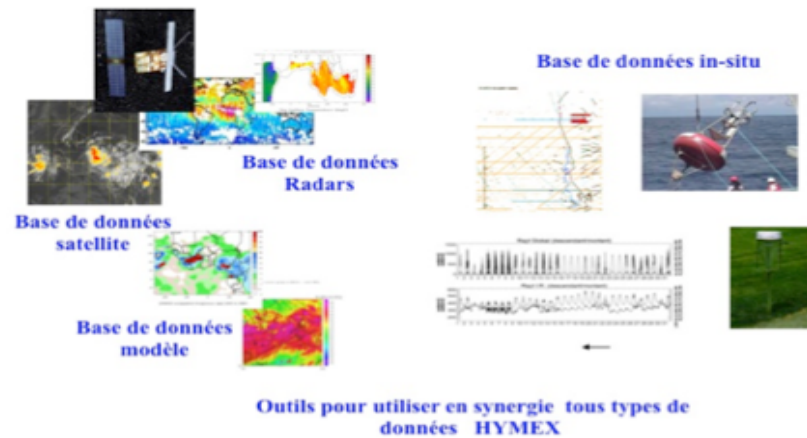
AERIS

DATA AND SERVICES FOR ATMOSPHERE

Nicole Papineau



Why AERIS?



- Processes studies
- Climatology analyses
- Modeling validation
- Data assimilation



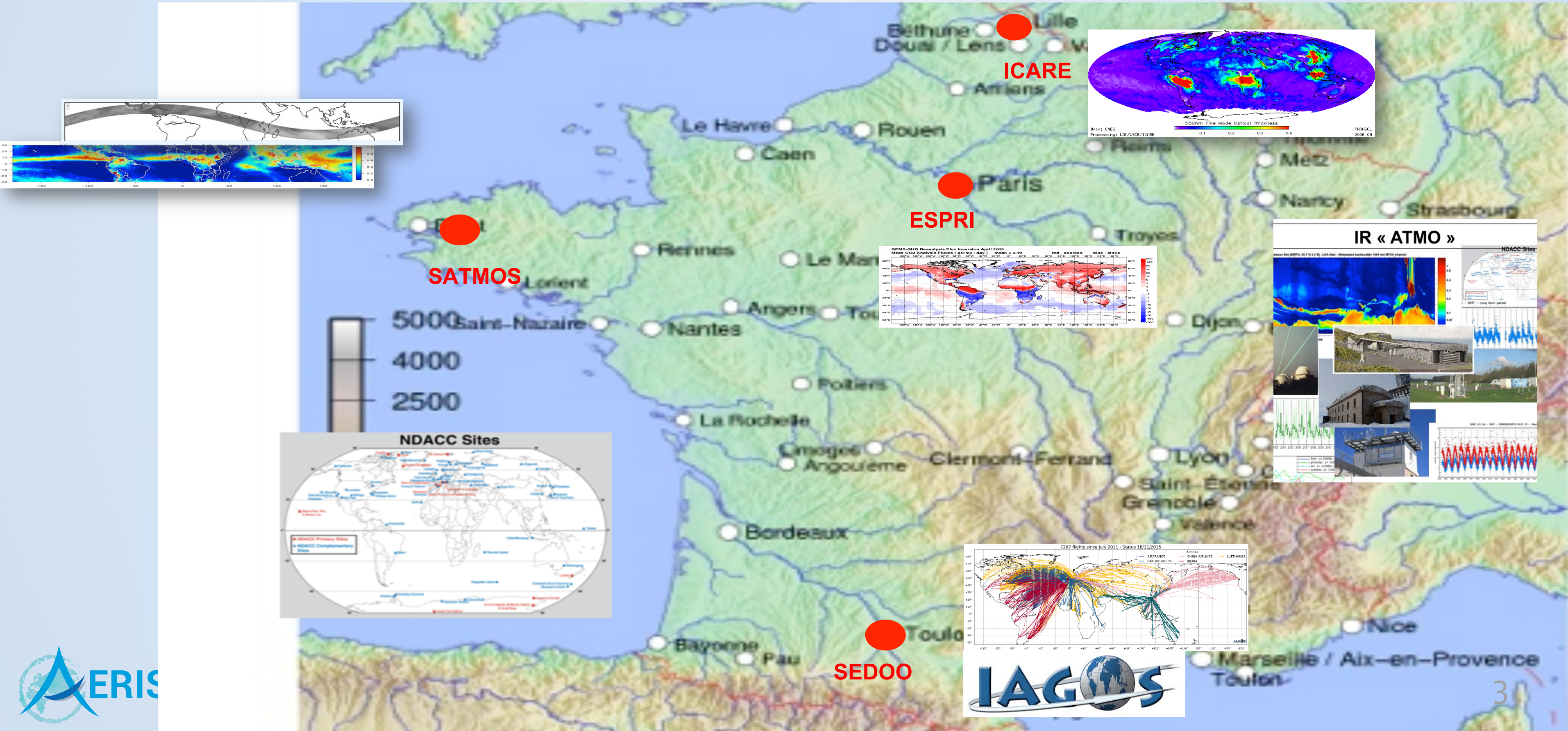
Need to :

- Have more integrated facilities
- Simplifying data access and services



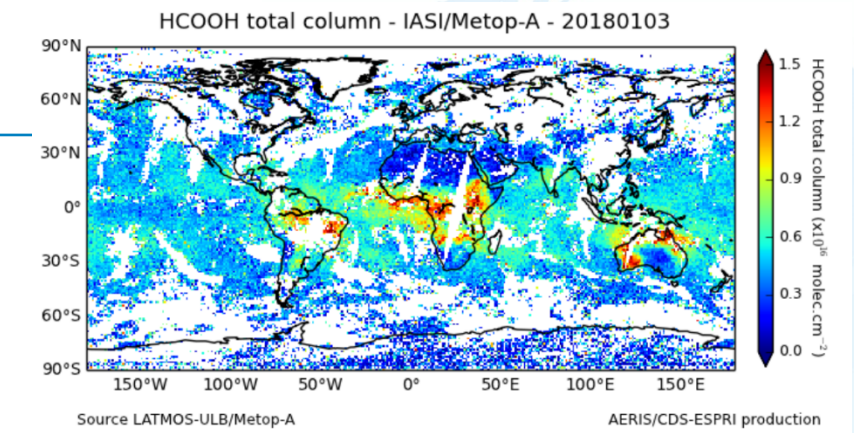
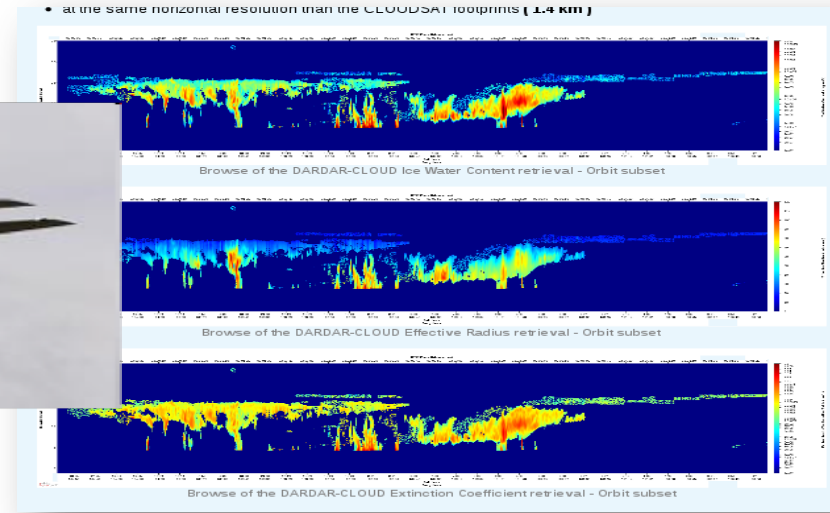
For all type of observations : satellite, ground based observations, campaigns, balloons

Four Centers for Data access and services

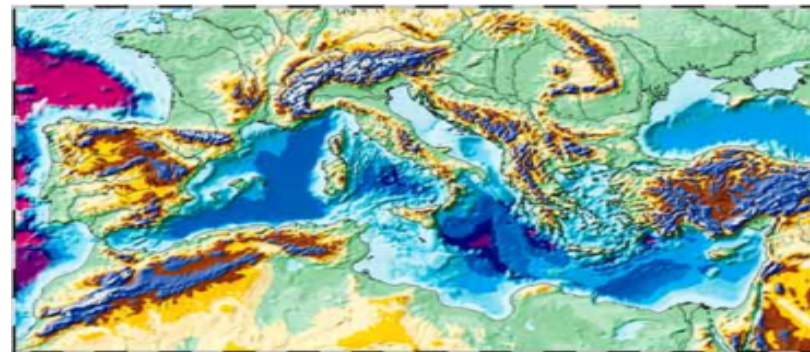


AERIS

Campaign support
tools

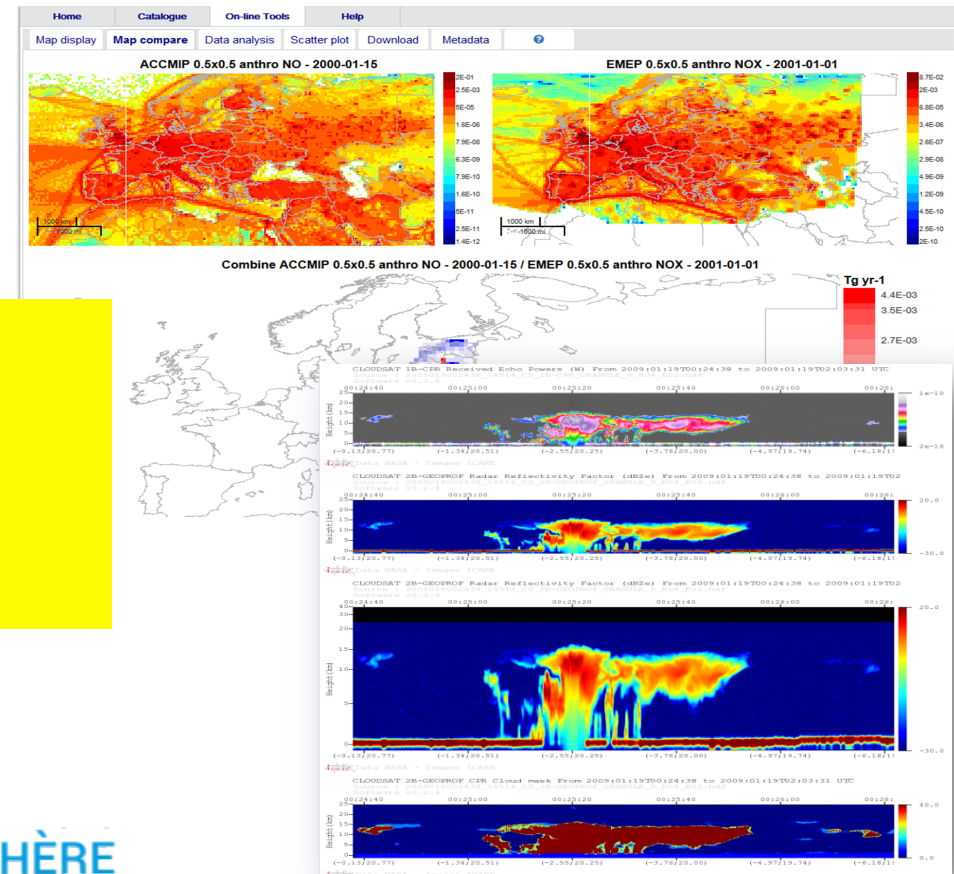


MIMOSA ARLETTY GIRAFE
REPROBUS
Radiative transfert codes



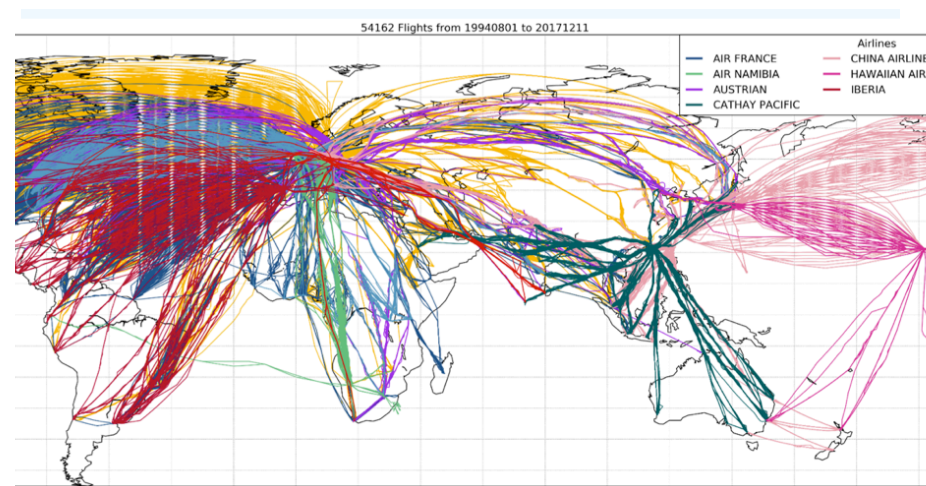
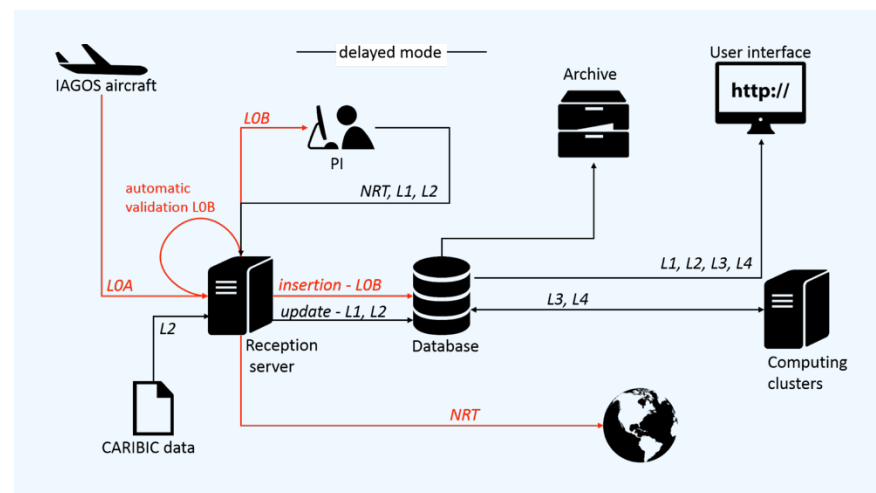
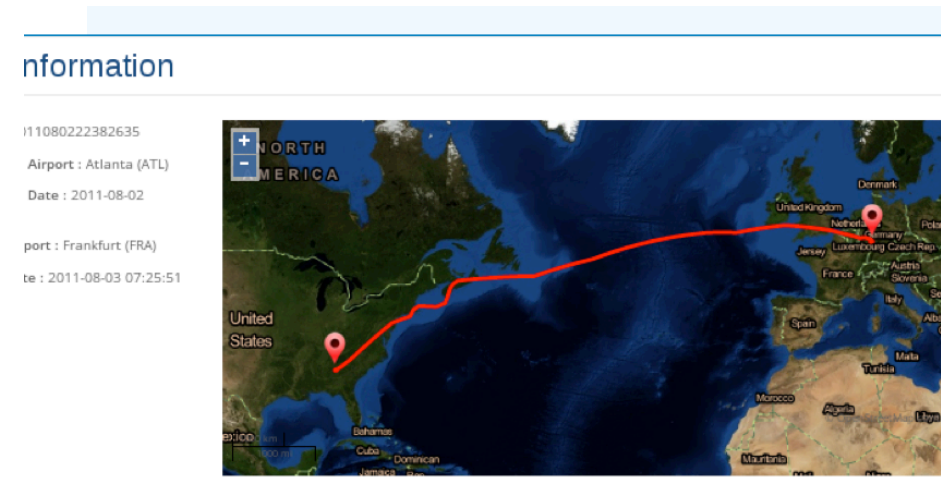
ECCAD UPAC
GEISA

Satellite co-locations
Visualisation tools



IAGOS: a major project for AERIS

- France involved in IAGOS Data base for a long time
- Strong support of CNRS, CNES, Univ. Sabatier, Meteo France
- Ether... AERIS a chance for IAGOS data base



AERIS Catalogue

?

↗

✎

🔍

>_ Mots-clés

Intervalle temporel

Zones géographiques

Plateformes

Niveaux

Collections

☐ AATSR

1

🗃

☐ ACTRIS-FR

6

🗃

☐ BAOBAB

6

🗃

☐ CALIPSO

3

🗃

☐ CARBO

8

🗃

☐ CEDRES

15

🗃

☐ CLOUDSAT

1

🗃

☐ ECCAD

9

🗃

☐ EUROCHAMP

3

🗃

☐ GEO SATELLITES

8

🗃

☐ GEOPHYSICS PRODUCTS

1

🗃

☒ GEWEX

1

🗃

☒ Cloud Assessment

☐ GMOS

1

🗃

☐ IAGOS

5

🗃

☐ IASI

5

🗃

☐ IIR

1

🗃

☐ INDAAF

5

🗃

Filtre

Niveau 3

Produit nuageux Gewex pour l'instrument AIRS-LMD

Niveau 3

Produit nuageux Gewex pour l'instrument ATSR-GRAPE

Niveau 3

Produit nuageux Gewex pour l'instrument CALIPSO-GOCCP

Niveau 3

Produit nuageux Gewex pour l'instrument CALIPSO-GOCCP_3D

Niveau 3

Produit nuageux Gewex pour l'instrument CALIPSO-ST

Niveau 3

Produit nuageux Gewex pour l'instrument HIRS

Niveau 3

Produit nuageux Gewex pour l'instrument ISCCP

Votre panier

🛒

ACCÈS AUX DONNÉES

ACTIVITÉS

APPEL À PROJETS

ORGANISATION

CONTACTS

+

-



Produit nuageux Gewex pour l'instrument ATSR-GRAPE

🔗

✕

</>

Description

Produit nuageux Gewex pour l'instrument ATSR-GRAPE

Contacts

Point de contact

👤 Claudia Stubenrauch (LMD/CNRS/UPMC)

stubenrauch@lmd.polytechnique.fr

Point de contact pour les métadonnées

👤 Cathy Boone (AERIS)

Cathy.Boone@ipsl.fr

Extension spatiale

+

-



Téléchargement

Pour télécharger les fichiers de données, ajoutez-les au panier en cliquant sur les différentes années.

ANN.	ANN.	ANN.	ANN.	ANN.	ANN.	ANN.	ANN.	ANN.	ANN.
1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
ANN.	ANN.	ANN.							
2007	2008	2009							

© Charte de données

If the data from the GEWEX Cloud Assessment are used in any publication, we request referencing the article of Stubenrauch et al. 2012. In addition, each dataset used should be specifically referenced (see Table 1 of the article or dataset descriptions for details). We also request to include the following acknowledgment:

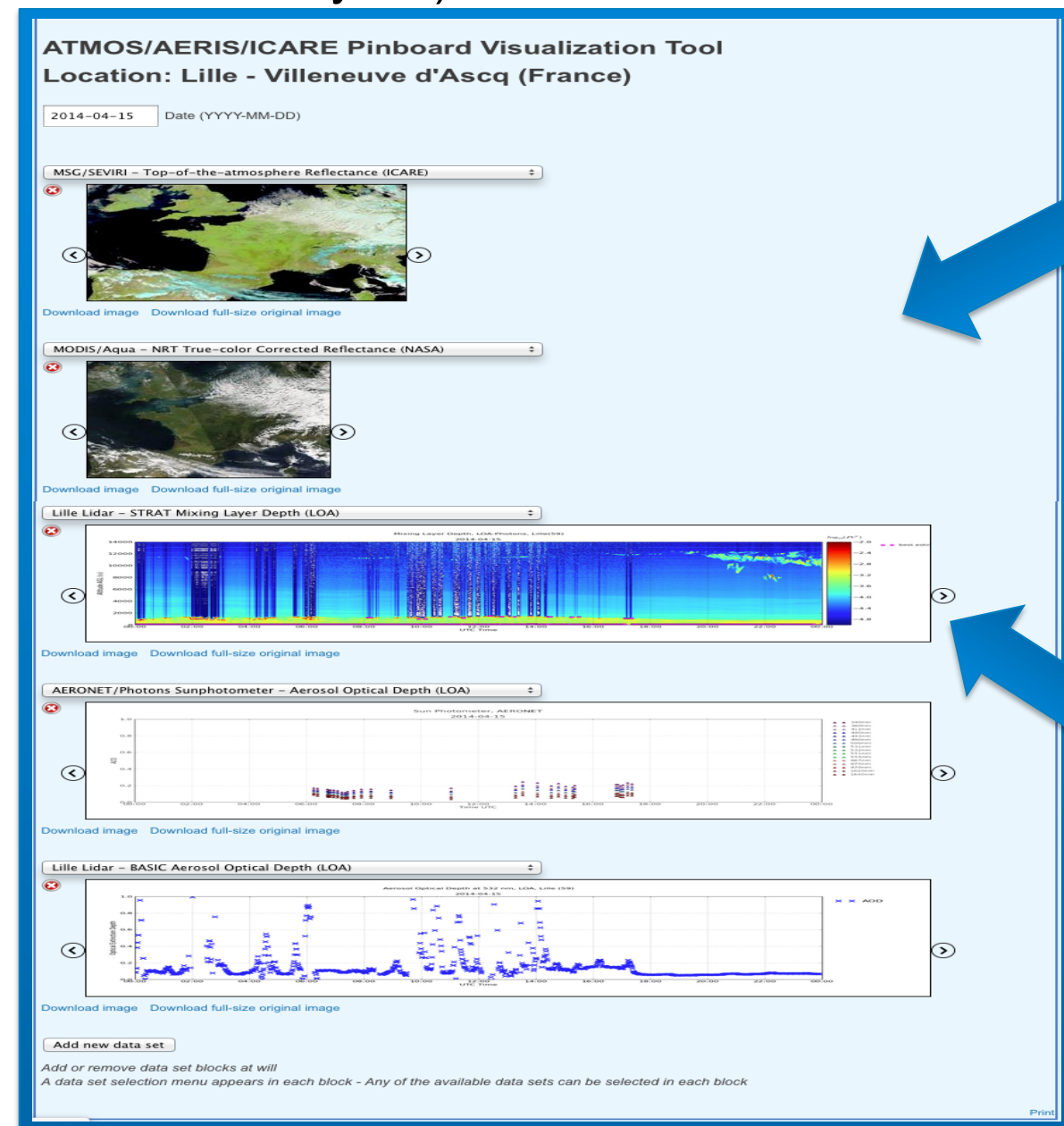
The GEWEX Cloud Assessment data were obtained from the ClimServ Data Center of IPSL/CNRS

Visualisation tools for common use of satellite and ground-based data

Pinboard visualization tool

<http://www.icare.univ-lille1.fr/browse/atmos>

User-driven “pinboard” approach to visualize heterogeneous material available for a given geographic location or region (ground-based observations, satellite observations, model forecasts/analyses)

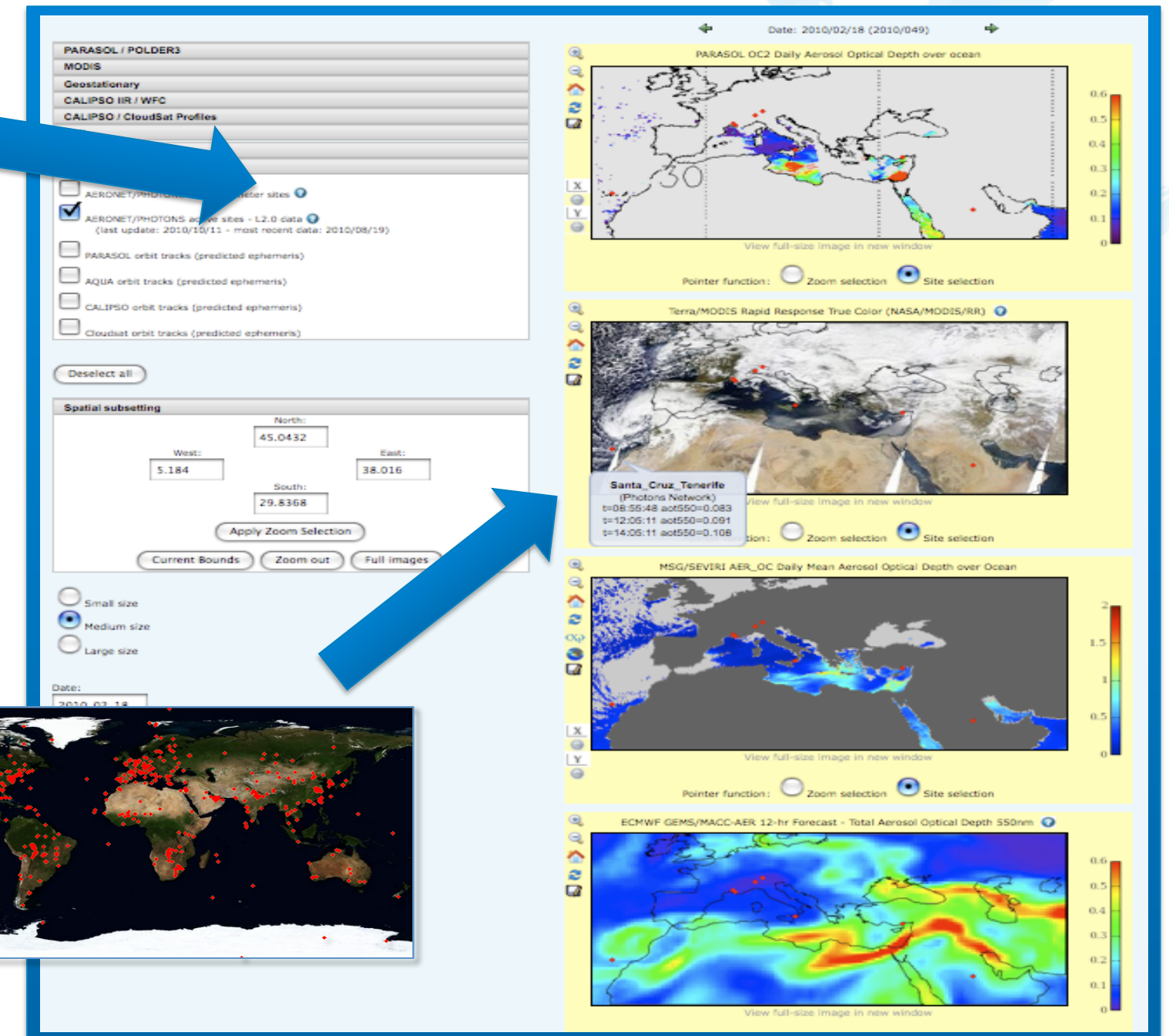


Multi-sensor browse interface

<http://www.icare.univ-lille1.fr/browse>

Designed for direct satellite-to-satellite or satellite-to-model comparison (2D/2D)

Direct access to AERONET-Europe sunphotometer observations



Contribution to ESFRI Projects



ESFRI Projects

- AERIS the data center for IAGOS
- Important implication in ACTRIS data center



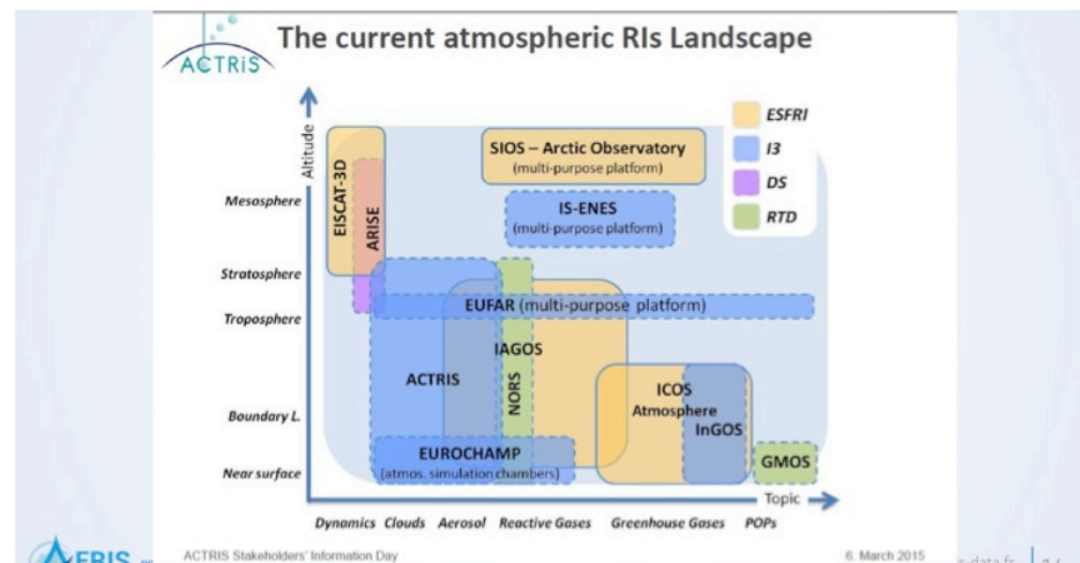
EUROCHAMP, HEMERA, EUFAR

- More recent involment of AERIS

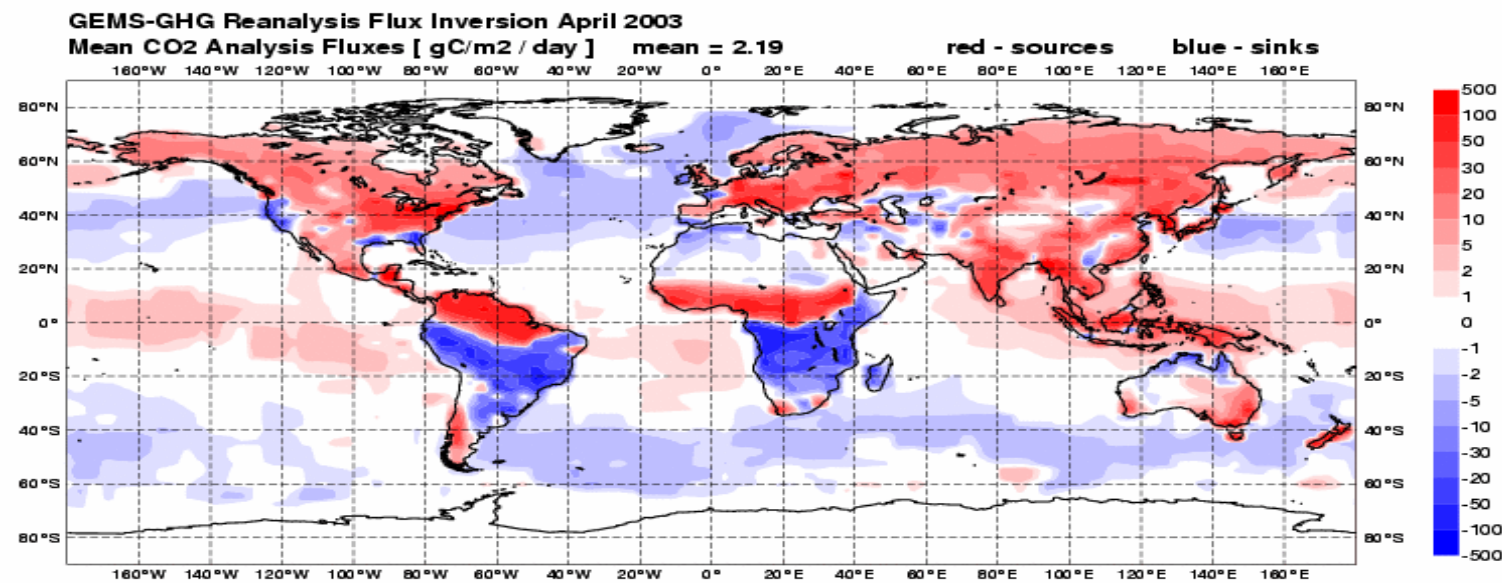


ENVRI+ ENVRI Fair

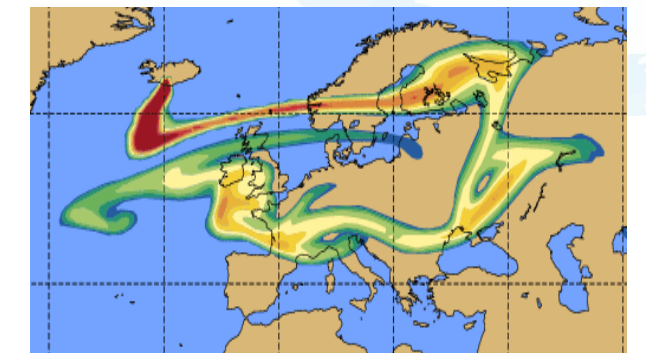
- Importance at UE level to have common rules, for all Environnnement IR



AERIS contribution



➡ Could process data in short delays , to be mobilise in case of crisis(volcano)



➡ Complementary of ESA,EUMETSAT for satellite data which are unique and not produced by space agencies

Contribution for ground based and aircraft data to IAGOS, ACTRIS...

Conclusion



- **AERIS French Data & Services Center for a better visibility in France, Europe and international**
- **AERIS data processing and access to all type of data and services for the scientific community**
Mutualisation of tools, services
- **Strong involvement in Copernicus, ESFRI IR**



Merci de votre attention

www.aeris-data.fr