



Argo Information Centre

jcommops

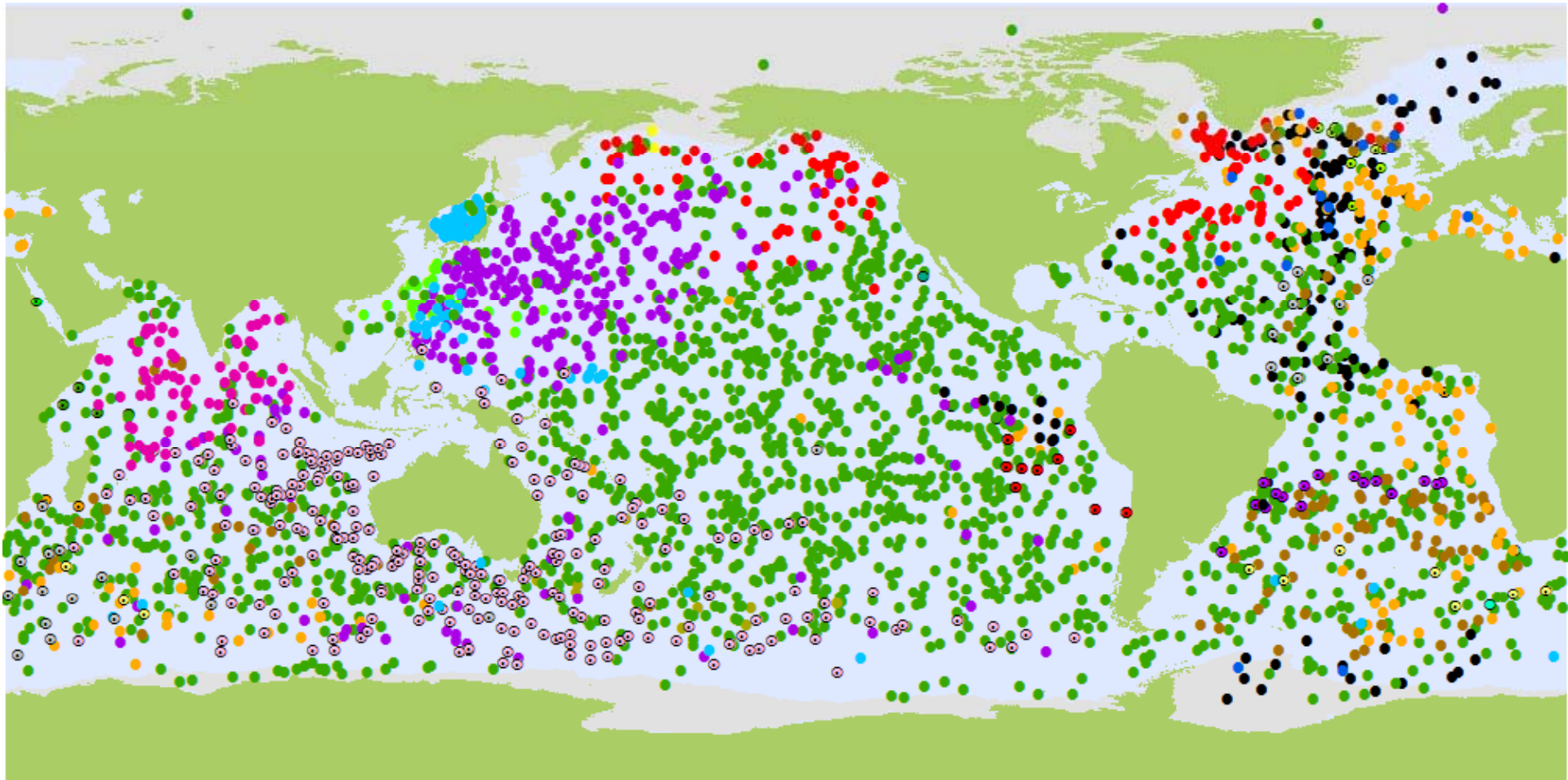


Argo Information Centre & EuroArgo Users

EuroArgo User Workshop#3

June 2010

<http://argo.jcommops.org>

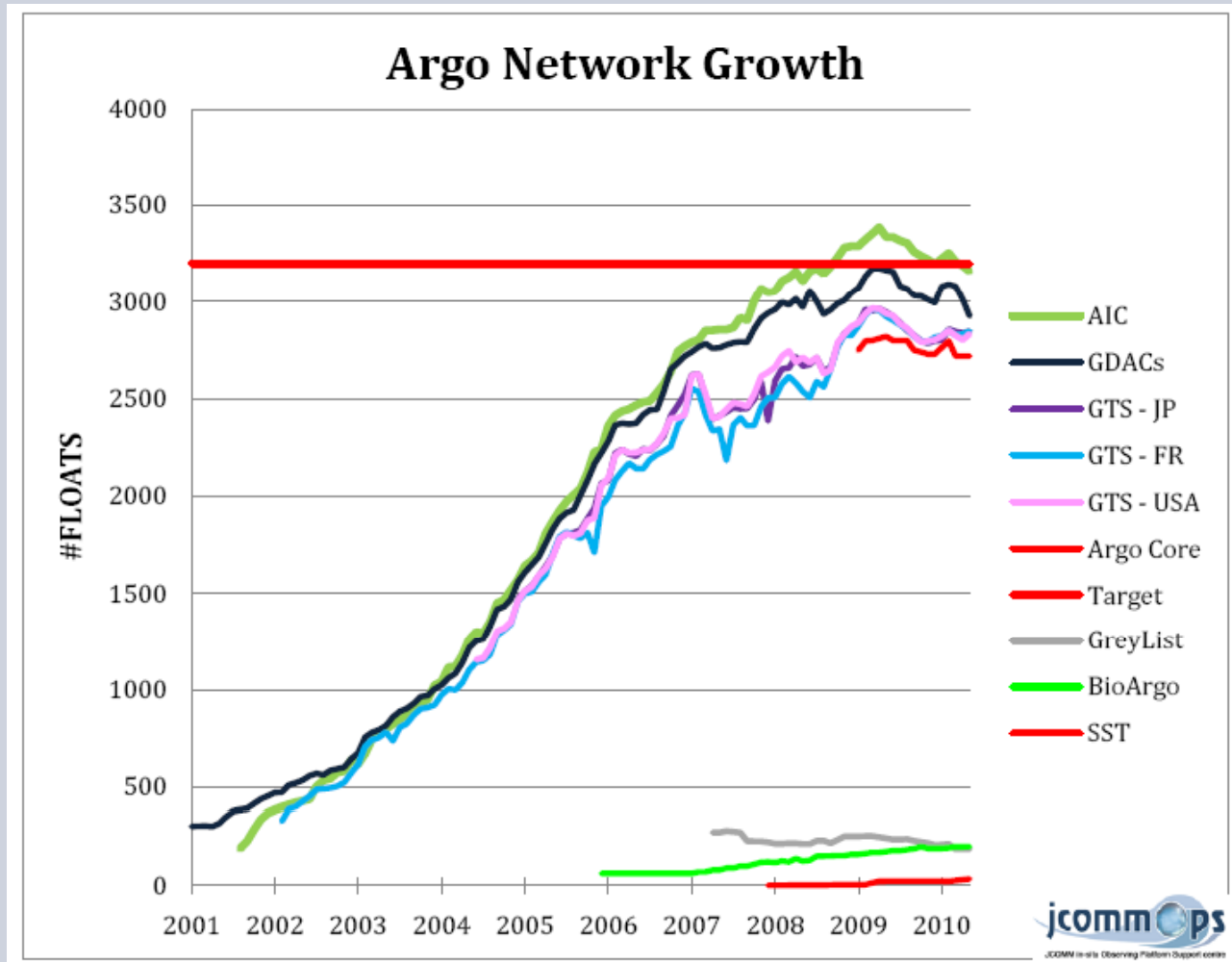


3161 Argo Floats

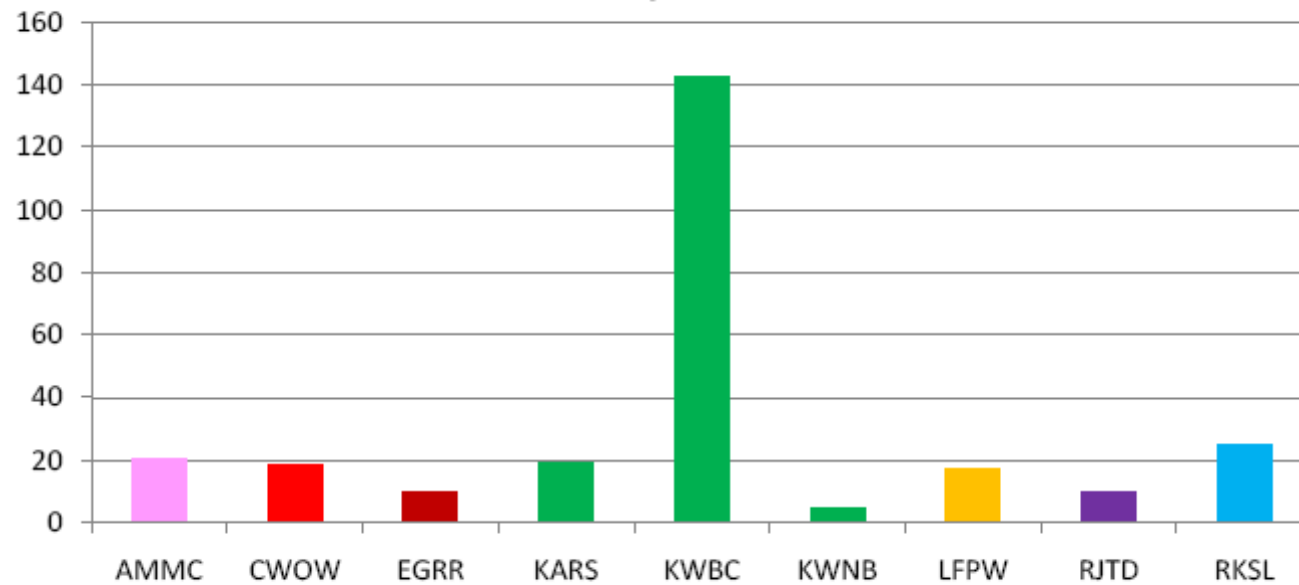
○ ARGENTINA (10)	● CHINA (29)	● GERMANY (142)	● SOUTH KOREA (92)	● NORWAY (0)	● SPAIN (1)
○ AUSTRALIA (254)	● ECUADOR (3)	● INDIA (73)	● MAURITIUS (2)	● POLAND (0)	● UNITED KINGDOM (107)
● BRAZIL (16)	● EUROPEAN UNION (14)	● IRELAND (10)	● MEXICO (1)	● RUSSIAN FEDERATION (2)	● UNITED STATES (1786)
● CANADA (130)	● FRANCE (144)	● JAPAN (294)	● NETHERLANDS (25)	● SAUDI ARABIA (1)	
● CHILE (9)	● GABON (1)	● KENYA (4)	● NEW ZEALAND (9)	● SOUTH AFRICA (2)	

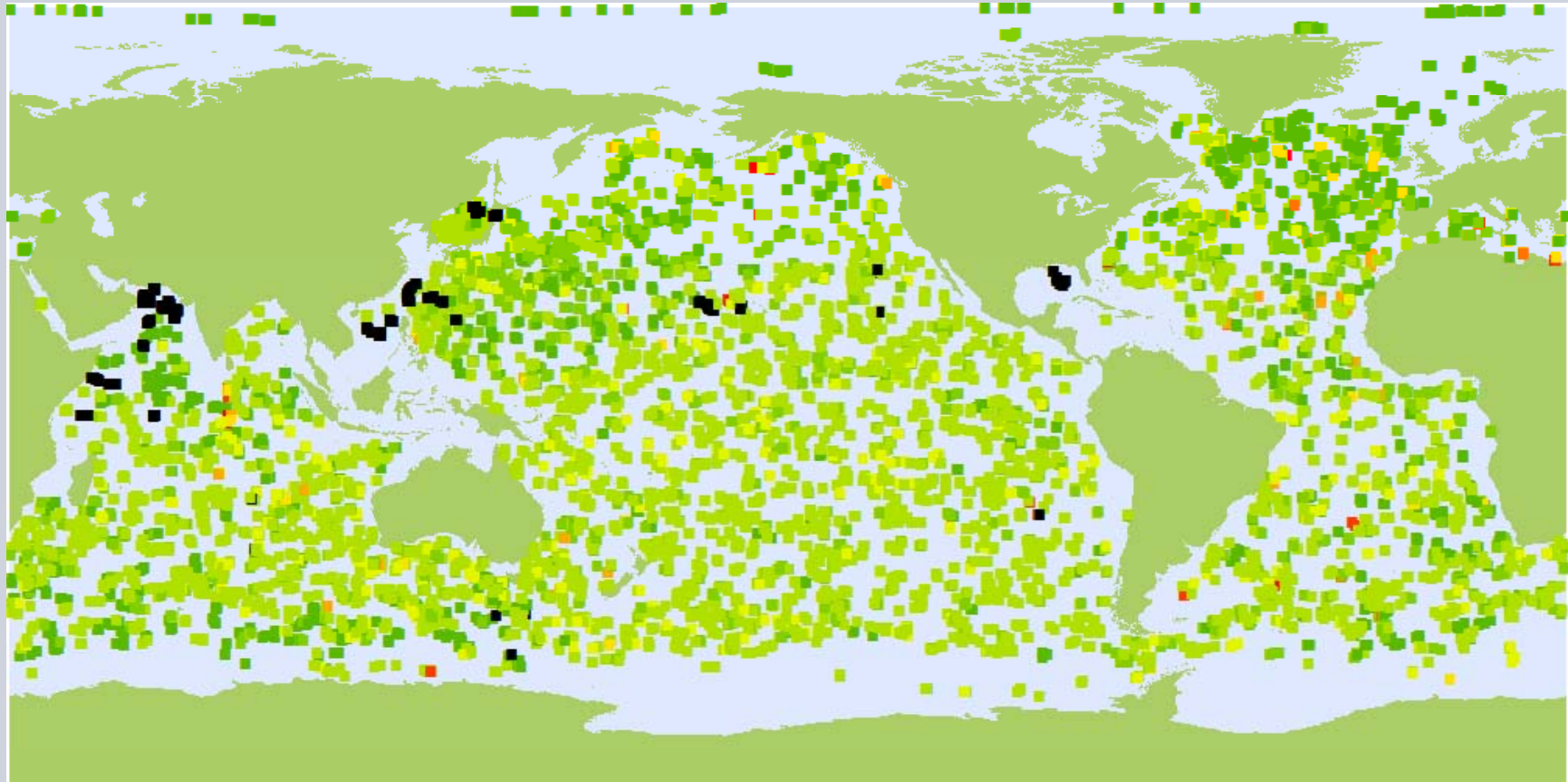
May 2010

Growing involvement of Europe is crucial ...



Average delays (hours) on GTS, by GTS Centre
May 2010

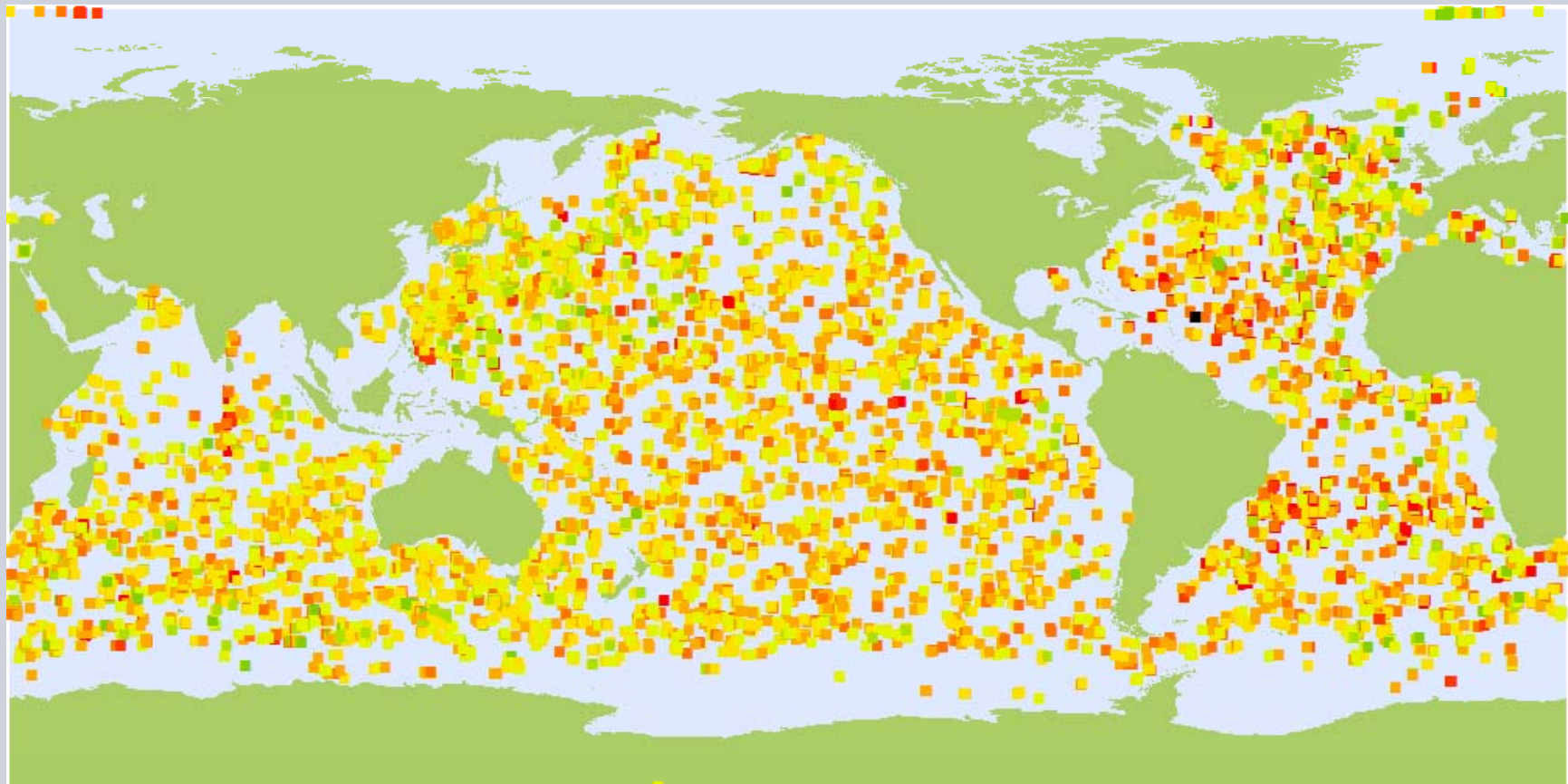




GTS Delays
 $\mu=17h$ $me=15h$
 90.8% reaches GTS within 24h
 8452 Obs.

- Errors
- < 6h
- 7 - 12h
- 13 - 24h
- 25 - 48h
- 49 - 72h
- 73 - 96h
- 97 - 120h
- 121 - 240h
- > 240h

May 2010



GDACs Delays
 $\mu = 74\text{h}$ $me=62\text{h}$
6.9% reaches GDACs within 24h
8132 Obs.

- | | | | |
|-----------|------------|--------------|----------|
| ■ Errors | ■ 13 - 24h | ■ 73 - 96h | ■ > 240h |
| ■ < 6h | ■ 25 - 48h | ■ 97 - 120h | |
| ■ 7 - 12h | ■ 49 - 72h | ■ 121 - 240h | |

May 2010

International Argo Infrastructure



- The AIC was established in 2001 (Toulouse/CLS)
 - TC is an IOC/UNESCO employee funded by Argo national programmes
 - Guidance by the Argo Steering Team in close cooperation with international organizations
- close cooperation with the Argo Project Office (Scripps/San Diego)
- The AIC is the Argo component of JCOMMOPS
- JCOMMOPS: **JCOMM (IOC/WMO) Observing Programme Support Centre**
 - **Argo, DBCP, SOT, OceanSITES**
 - **2 technical coordinators (1 position being renewed for DBCP coordination)**
 - **1 scientific coordinator**
 - **1 software developer**
 - **Students**

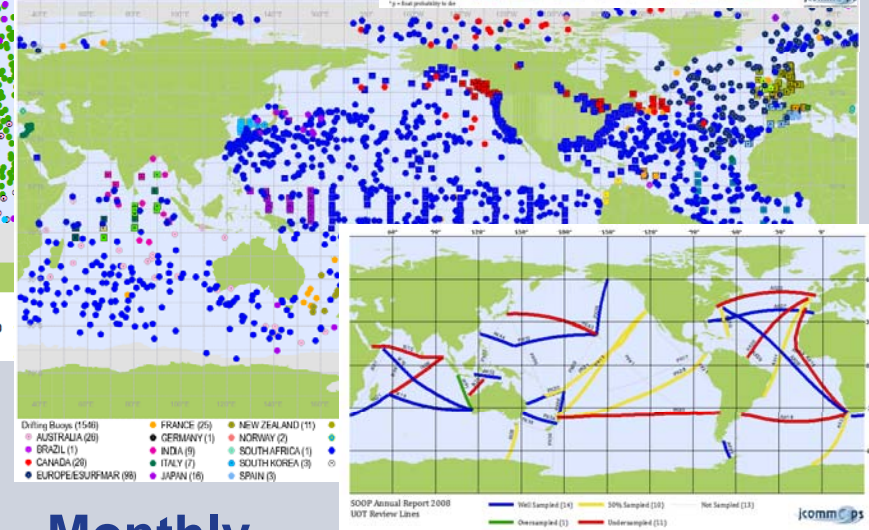
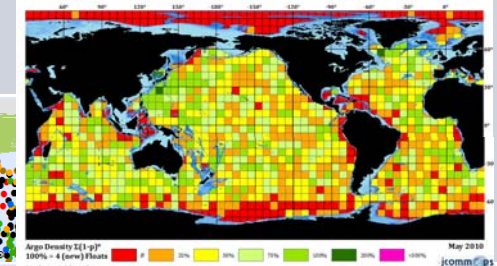
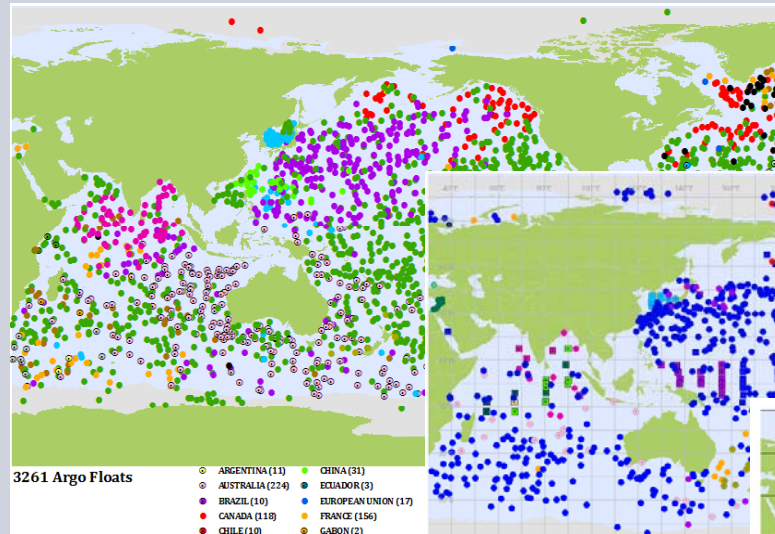
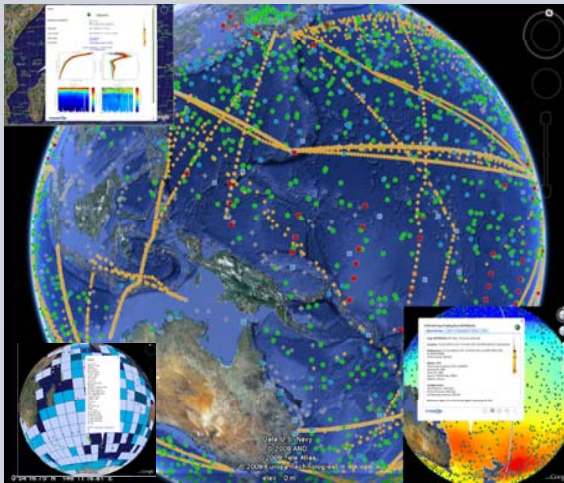
AIC/JCOMMOPS Activities: Monitoring, Assistance, Cooperation.



- **monitor** and **evaluate** the performance of the networks
- assist in the **planning, implementation** and **operations** of the observing systems
- act as a **clearing house** and **focal point** on all programme aspects
- provide up to date, comprehensive information on status of observing system
- assist in **data distribution** on the Internet and GTS
- encourage **cooperation** between communities and member states
- relay user **feedback on data quality** to platform operators
- provide **technical assistance** and **user support worldwide**
- develop **synergies** between observing systems



Products & Services: Examples



Real-time ...

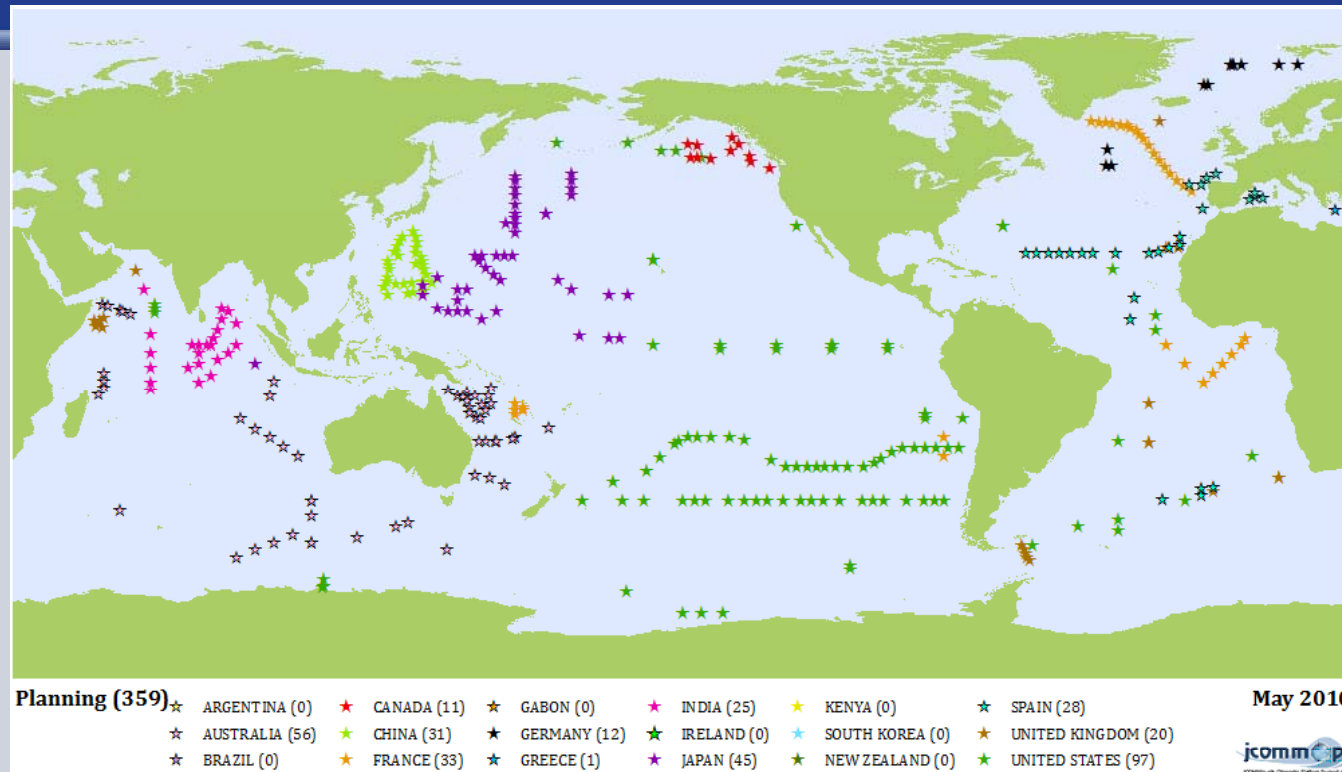
Very early on, JCOMMOPS provided online, interactive GIS-based, real-time tracking tools for ocean platforms and is now working on a partnership with Google to include JCOMM/GOOS observing system status and products within Google Ocean

Interoperability targeted: Web Map Services, XML metadata exports, etc.

Monthly ...

JCOMMOPS Status maps are widely recognized as authoritative and giving an up-to-date, verified status of the arrays, encouraging community to share the data and showing how the programmes assess and meet their requirements

Planning (for implementers and users ...)

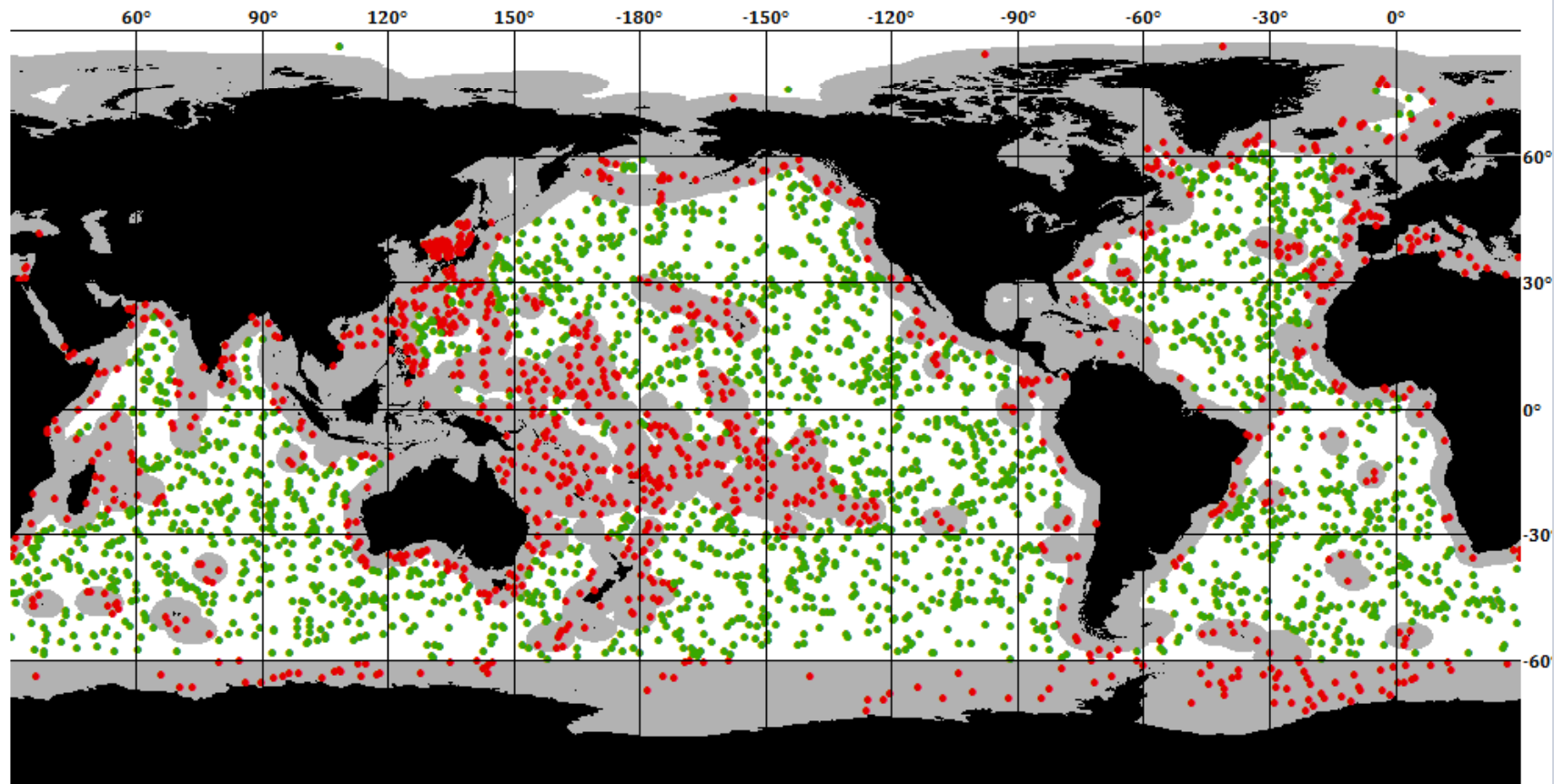


All profiling float **MUST** be registered at the AIC before their deployment

-Make sure someone takes care of this seriously, and regularly

-This engage a national responsibilities as float will likely drift in other MS EEZ (e-notification)

Your colleagues need to know in advance where you are going to deploy your floats (avoid overlaps, share opportunities)



Argo & Maritime Zones

March 2010

AIC/JCOMMOPS & EuroArgo

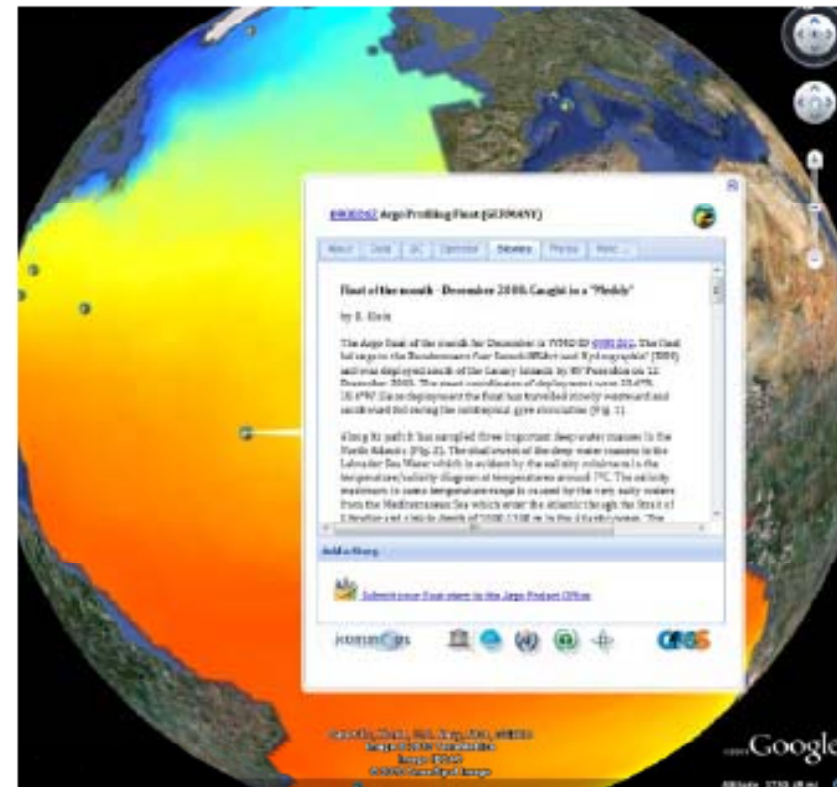
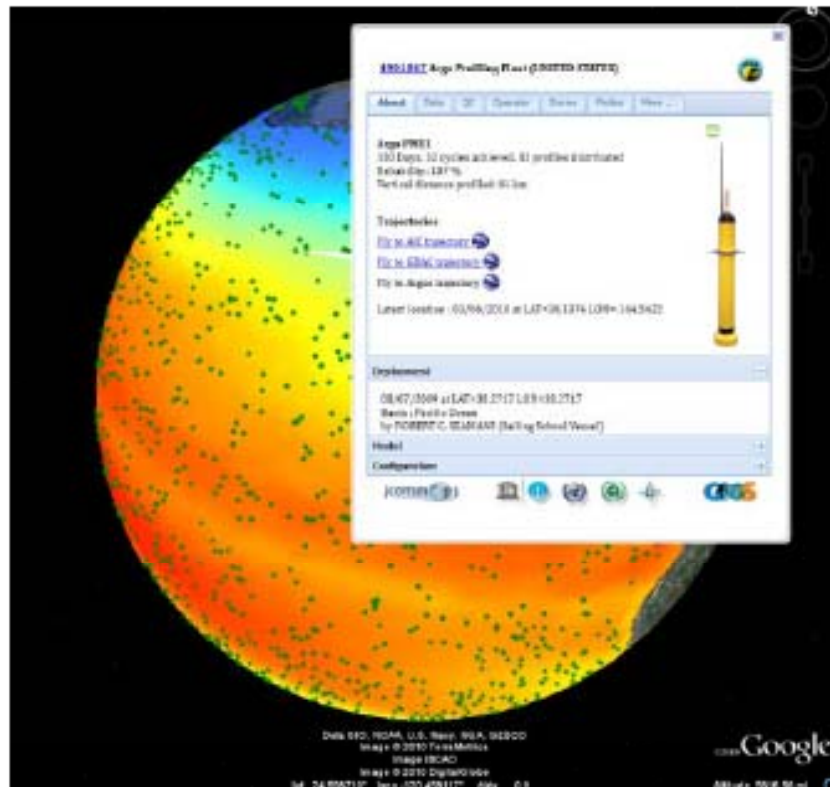


- JCOMMOPS, hosted by France (CLS/IFREMER), has recently been renewed (JCOMM III), with extended mandate to integrate more components of Observing System.
 - JCOMMOPS is likely to develop further: GOSHIP, gliders, Ship Coordinator, marine mammals ...
 - Provided the different panels identify funding for int. coo.
 - What cooperation with EuroArgo is anticipated ?
 - Resources are modest
 - Reinventing the wheel with a “EuroArgo tag” is not a good solution
 - We need to share work, resources, develop interoperable services, ...
- => To be discussed in details ...

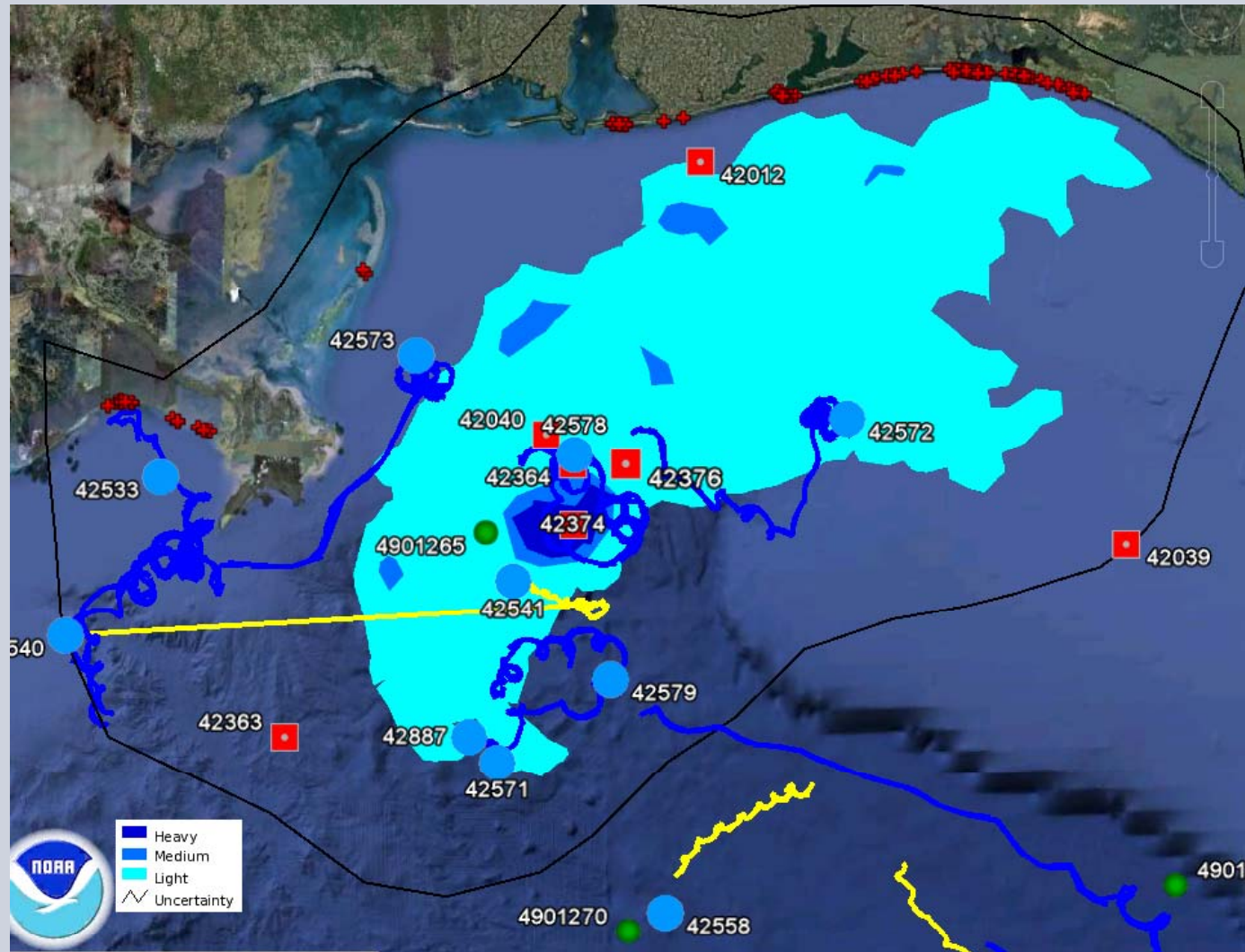
Outreach ... A huge potential



- Argo & Google Earth
- ... all other elements (JCOMM Obs. Syst.) will follow



<http://argo.jcommops.org/argo.kml>



Argo & GE



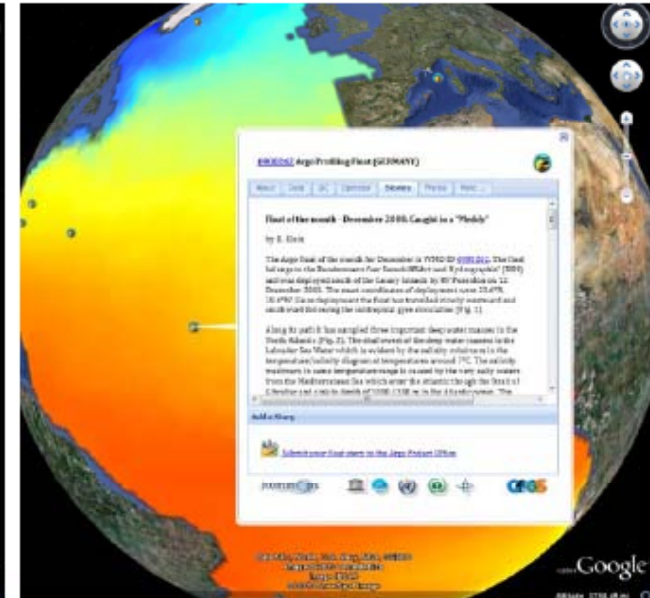
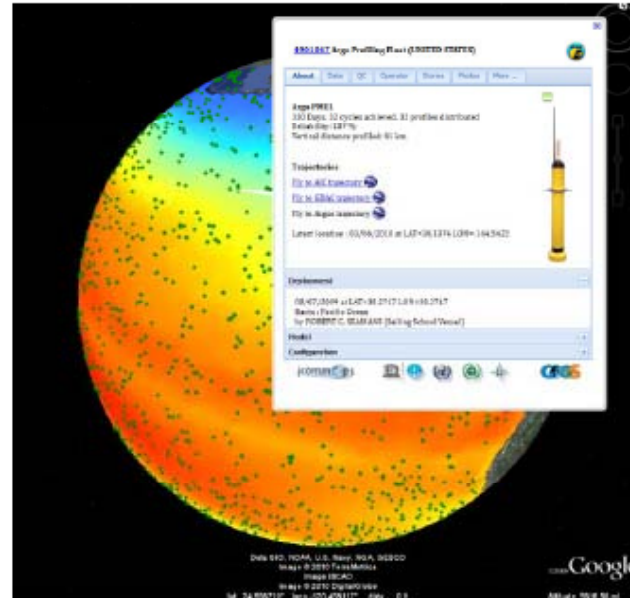
Aim: Design a product useful for Argonauts and for a larger public

- To be presented to Google when ready, for a potential addition in the Google Ocean content offer
- 2 main elements:
 - Part I) Argo network status (the floats...)
 - Part II) Ocean state as seen by Argo (the products ...)
- All will be regrouped in a package and presented via a « tour »
- Oceanographers will be allowed to tell stories on the floats, ocean, climate, etc, in order to:
 - « humanize » the Argo observing system
 - promote Argo as a pillar of the climate warning system

A tool that regroup all info. Available on-line

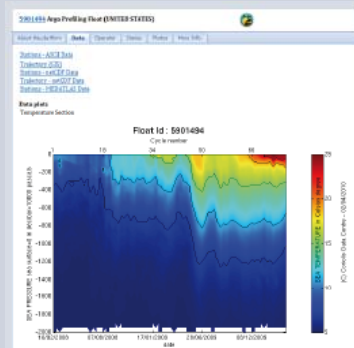


General info, stats, plots, links, data tools, data (in all formats available), QC tools, Float stories (float of the month, EuroArgo), Photos, promotion for all programs ...

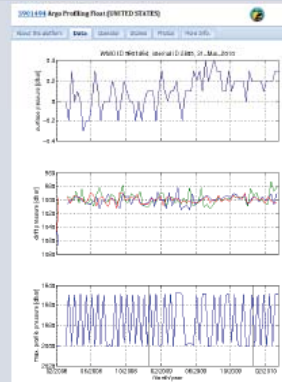


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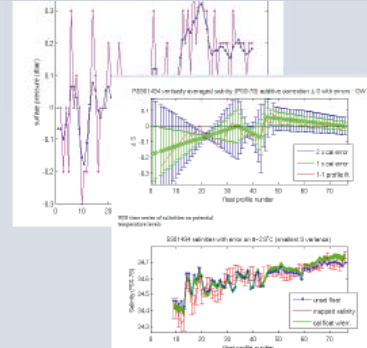
Fleet, Floats, Profiles Overlays



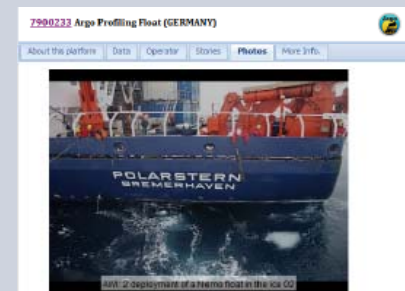
Coriolis GDAC



AOML DAC

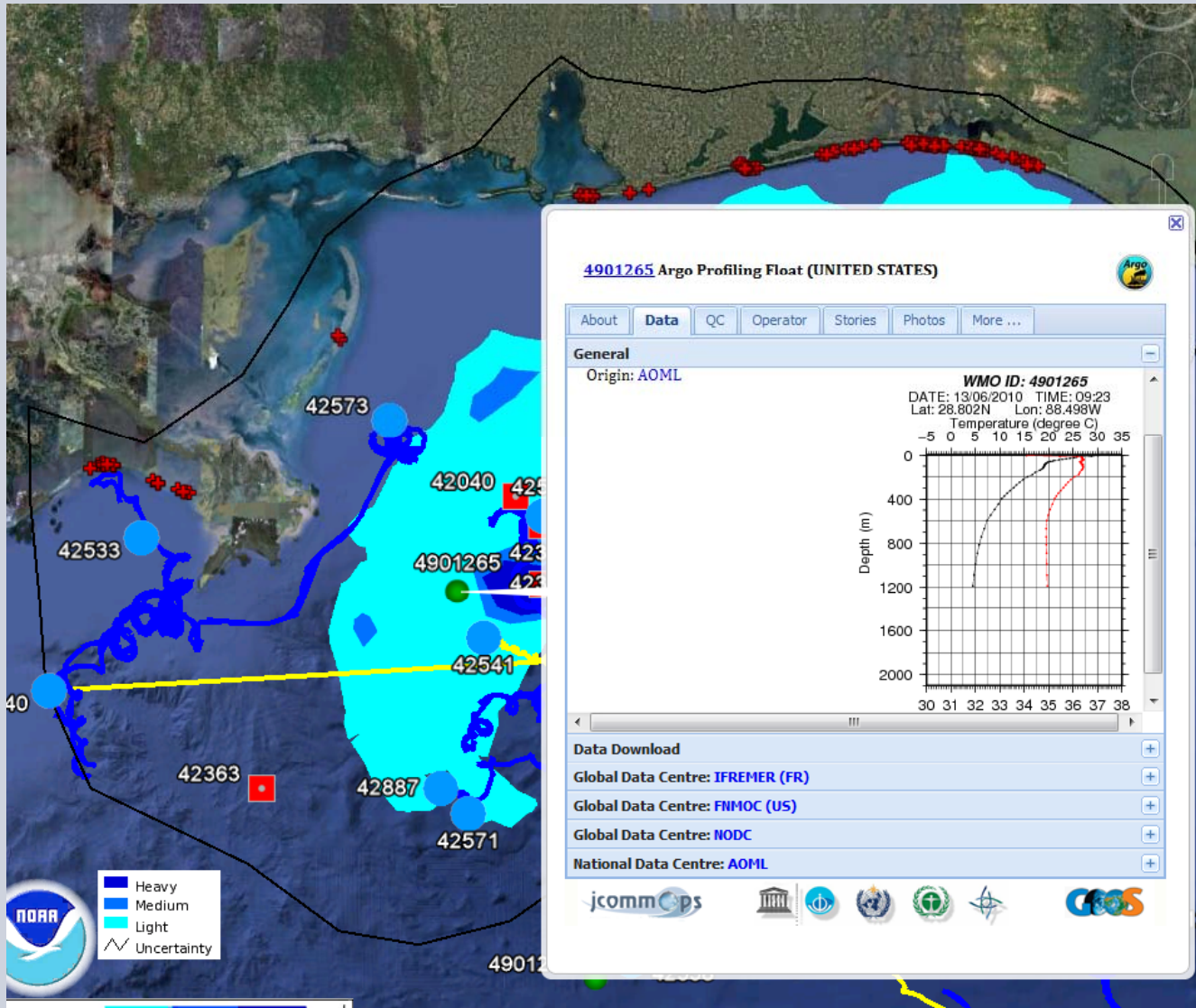


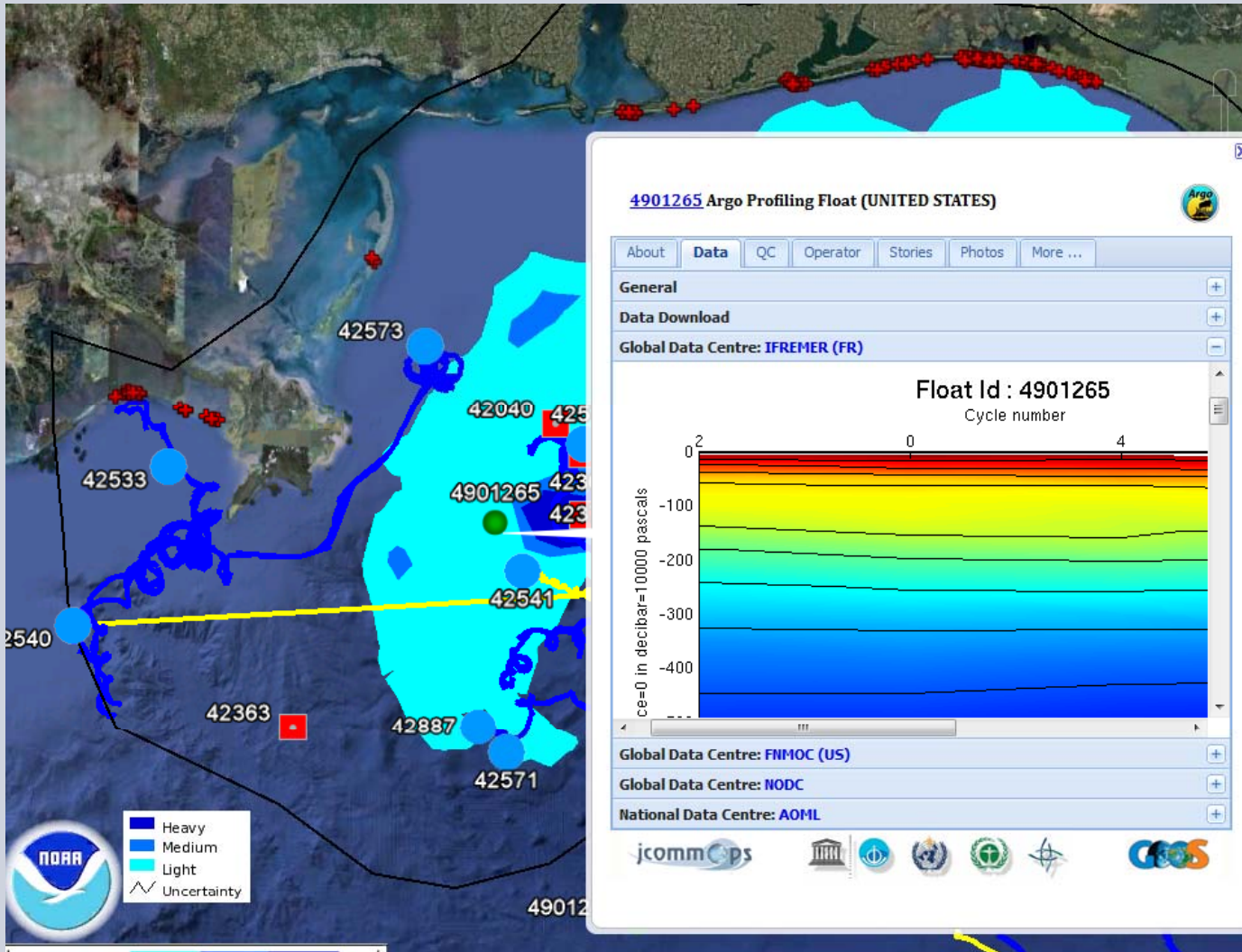
UW



Add your photos to the Argo album:

- Go to <http://picsaweb.google.com/JCOMMOPS/Argo>
 - Guide





Conclusion



- We need to discuss International-European cooperation
- Register your planning in advance
- Do not hesitate to ask AIC's help on any issue around Argo
- Send feedback on data quality to AIC for a relay to the community
- Send your webpages, products, stories, etc, so we can share them with the international community.
- support@argo.net

