Minutes of the Follow-on meeting N°2 :

Update on the attendees :

There is about 30 people registered. The list is shared on google drive here :
https://drive.google.com/open?id=1PBOdRJm327ONfwNSse8drYUwLFg3EQHU

- US, Australian and Canadian Data manager are coming.
- JCOMMOPS will also be attending
- Teledyne, Alseamar will attend. Kongsberg will probably attend too.

We are missing some of the European DAC and PI at the moment.

Action :
1) meeting flyer ready by Wednesday (picture, First page text, updated agenda and second page text).
2) Thursday 14th (morning) : send a reminder to the glider community (EuroGOOS, EGO news, EGO mass mailing, EMODNET news) with flyer attached.
3) Share and complement a list of potential attendees
4) 1st of July, send reminder to the targeted attendees.

Minutes of the Follow-on meeting N°2 :

Update on the Agenda :
The agenda is available here :
https://drive.google.com/open?id=1PBOdRJm327ONfwNSse8drYUwLFg3EQHU

The session about « new sensor » has been changed to « Science needs for data management » where key PI should highlight there work and there needs from the data management community.
The session will be splitted in 2 phaese :

- Speakers presentation (Bastien Queste, Matthew Palmer, Miguel Marcos Llorens, Kimmo Tikka, Ilker Fer, Break Owens ?)
- Round table about organization and governance : ARGO representatives, PI, B. Owens

ACTION : fill the agenda with suggestion and comment by Wednesday

Minutes of the Follow-on meeting N°2 :

Sponsorship :

1k€ is needed to fund the ice breaker.

Teledyne, Alseamar, Kongsberg will attend the meeting.
We should open a slot and area to present their products and services.
In return they could pay for the Ice Breaker (400€ each would be more than enough).

Kongsberg is ok to sponsor the ice breaker. Should we ask the others too ?

ACTION : Patrick, Dan Hayes and I should promote this idea to glider manufacturer

Minutes of the Follow-on meeting N°2 :

Demonstration of the real time data flow :

This meeting will be the occasion to demonstrate that the system we are setting up is operational
It is crucial that DAC have a operational data flow in real time at that time.

During the 2de day morning session (« The European and Beyond data management strategy ») we will have a short presentation of the DAC (IMR, SOCIB, Coriolis, BODC, OGS?) how they really implement the system.

Documents are shared on Google Drive : here
https://drive.google.com/open?id=1PBOdRJm327ONfwNSse8drYUwLFg3EQHU

In the following, actions status has been updated on the 08/06/2018

EuroGOOS Glider TT/EMODnet Physics
Data management meeting – preparatory phase

EuroGOOS
European Global Ocean Observing System

Action to be completed by 15 of July – updated the 08/06/2018 :

Some actions should necessarily be completed before the meeting in order to make sure the process we want to set up is ready and the message we want to released is understandable.

		timeline	status
Action 1 : Report to Coriolis about this demande of the DAC community in order to guarantee long term stability and coherent evolution of the data flow	*CNRS, Coriolis*	*01/05*	*Done*
Action 2 : Make sure the checker is align with the format	*CNRS, Coriolis*	*31/05*	*Done – checker available : http://www.seanoe.org/data/00344/45538/*
Action 3 : intiate the discussion about evolution of the format through forum or mailing list	*CNRS*	*15/05*	
Action 4 : Open an forum dedicated to glier communication	*CNRS*	*15/05*	*Not a priority anymore*
Action 5 : Can we offer an online checker facility that guarantee the use of the latest version of the checker ?	*Coriolis, CNRS*	*15/06*	Question ask to Coriolis and CNRS (10/05)
Action 6 : Scan EGO format directory to extract infromation from new data set to feed EGO deployment data base.	*CNRS, EMODNET, CORIOLIS*	*15/06*	*On progress – CNRS should develop the update of the DB based on the information from EMODNET. Automation should come afterwards*
Action 7 : Wrote a letter as a European Glider Data Management TT that describing the futur need to set and maintain an efficient and operation system.	*OceanGliders / CNRS / EuroGOOS / CORIOLIS*	*15/07*	*Set up a webex conference to discuss this question*
Action 8 : Confirm the previous scheme and right a one/two pages of context to describe such scheme	*BODC*	*31/05*	*Google document will be open to the TT.*
Action 9 : Share the network strategy scheme to GDAC for comment and agreement	*CNRS / BODC*	*15/05*	Done
Action 10 : Share documentation about « Sensor Source »	*BODC - Mark H.*	*15/05*	See with Mark. H.

EuroGOOS Glider TT/EMODnet Physics
Data management meeting – preparatory phase

EuroGOOS
European Global Ocean Observing System

Table of actions

Action 11 : Share mapping between Sensor Source and EGO variable name within the different DAC for future harmonization	*SOCIB, IMR, CORIOLIS, BODC*	*31/06*	*The mapping should be done by the end of June*
Action 12 : Ask recommendation about EOV's from OGTT	*OceanGliders, CNRS*	*31/06*	email send end of May
Action 13 : Define a « EGO glider core variable » based on OGTT recommendation on EOV's that will prioritize the work of new glider groups.	*CNRS, OceanGliders*	*15/07*	Email send by the end of May
Action 14 : Connecting the EGO strategic mapping with GOOS.	*GOOS*	*15/07*	*Update from Justin*
Action 15 : Initiate the redaction of recommendations for future EGO full format, based on actual EGO format – to be linked with ACTION 3	*SOCIB, BODC, IMR, Coriolis*	*15/07*	*Need to open Google doc on that subject. SOCIB leader ?*
Action 16 : Recommendations on best practices. OG glider should agree on BP, QC and DM tools – (CNRS, OG)	*CNRS, OceanGliders*	*15/07*	A repository has been open on OceanBestPractives.org for OceanGliders.
Action 17 : Run a pilot to implement the "real time to delayed mode" scheme, extract information from format to populate CDI and mirror DAC repository at GDAC place	*SOCIB, UiB, Coriolis, GDAC*	*15/07*	Mail to be send the 08/06
Action 18 : Link between CDI and sensor ML – access document from SeaDataCloud project – Feedback form BODC on this initiative.	*BODC, Dan Hayes?*	*15/07*	Related to action 17
Action 19 : Write recommendations about the data traceability scheme. Connect with Fred Merceur from Coriolis about this and discuss the question of what could be included in the format attribute for better access/discovery of the data ?	*CNRS, Coriolis, BODC, IMR, SOCIB*	*15/06*	Related to action 15 and action 17
Action 20 : Create a repository dedicated to sensor .json	*CORIOLIS*	*31/05*	Need to ask to Coriolis
Action 21 : Clarify the conversion of .sbd to .sbd.m and document it.	*BODC, SOCIB, CNRS(Testor)*	*15/06*	On progress… needs to be documented.
Actions 22 : Report on GTS functioning today. How we would like to operate within the community. How we could do that and who will actually do it.	*CNRS/CORIOLIS*	*31/06*	*Get contact point at BODC, SOCIB (spain), IMR, JCOMMOPS*

Timeline for the organization of the meeting

Advertising the meeting	*Victor T.*	*07/05*	*Done*
Call again for registration	*Emma H., Patrick G., Victor T.*	*31/05*	*Through GOOS, EuroGOOS, and EGO (mass mailing).*
Invite speakers / Manufacturer	*task team*	*1505*	*Need for suggestion*
Seek for funding with manufacturer	*Patrick G./Pierre T./ Hayes D.*	*15/05*	*Identify the key persons and send letter by the end of may*
Call for abstract toward abroad glider groups representative	*task team*	*31/05*	*Identify the gliders groups outside Europe ready to implement the data management service at the institution level*
Review abstract	*task team*	*31/06*	
Finalise Agenda	*task team*	*31/08*	*Based on the registration*

Follow on meetings :

- 27/04 – 14h CET
- 31/05 – 14h CET
- 10/07 – 14h CET

What we agree :

Stabiltiy in the EGO format user manual. The current V1.2 is the reference.
The current version of the user manual is stable since Arpil 2016 (only comments and small corrections may have been added since then). This version should not evolve until the DAC become complient with the format and the different data management systems run operationnaly.
Action 1 : Report to Coriolis about this demande of the DAC community in order to guarantee long term stability and coherent evolution of the data flow - (CNRS, Coriolis)

Align the format checker with the EGO format user manual.
It appears that the checker was not in coherence with the manual. This has already been discussed with Coriolis and is being corrected.
Action 2 : Make sure the checker is align with the format – (CNRS, Coriolis)

Evolution of the format will occurs but should be anticipated.
A “2 years” transition process is requiered for a new EGO format user manual implementation. A discussion to design a procedure to update the EGO format should happen within the data management team (Coordination, DAC, GDAC).
Action 3 : intiate the discussion through forum or mailing list - (CNRS)

What we agree :

A better communication process between Glider Coordination, DAC and GDAC is needed.

- A forum or mailing list should be set to share questions, comments and recomandation.
- The checker is freely available on Coriolis website http://www.seanoe.org/data/00344/45538/ and up to date. Can we set a ftp site to check the EGO file automaticaly ?

Action 4 : Open an forum dedicated to the glider data management task team – (CNRS)
Action 5 : Can we offer an online checker facility that guarantee the use of the latest version of the checker ? (anyone who want to set this up in the team ?)

Avoid redoncancy and extra actions from DAC when RT EGO format production operational.

Today, EGO Coordination asks gliders operators to manually register their deployment on the EGO website to keep track of deployment activity in a dedicated database. We agree that when EGO format production will be operational, operators shouldn't have to register manually on the website anymore. Then we need to develop a system able to automaticaly feed EGO website deployment data base from new EGO fromat data set.

Action 6 : Scan EGO format directory to extract infromation from new data set to feed EGO deployment data base. (CNRS, EMODNET, CORIOLIS).

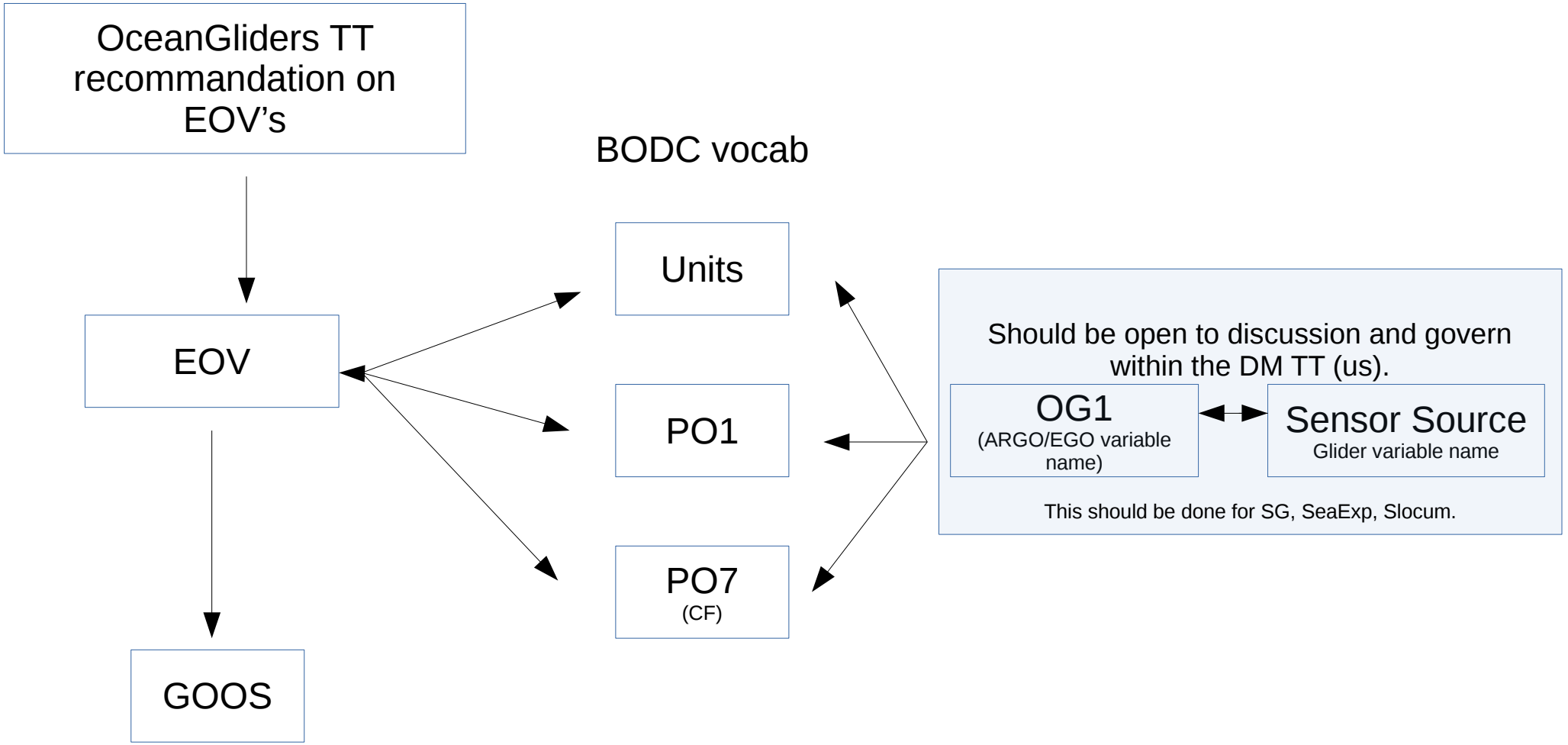
We anticipate an increase of glider data stream in the next year.

What would be the best strategy to make sure the data management team is able to take up this extra flow ?

Action 7 : Wrote a letter as a European Glider Data Management TT that describing the futur need to set and maintain an efficient and operation system. (OceanGliders, CNRS, EuroGOOS, EMODNET, CORIOLIS)

One of the difficulty is to agree on the mapping between the “glider variable name”, “EGO/ARGO variable name” and EOV’s. Discussion around this mapping should occur.

We agree on the following scheme :



- *Action 8 : Confirm the previous scheme and write a one/two pages of context to describe it – (BODC / EMODNET)*

- *Action 9 : Share this strategy to GDAC for comment and agreement – (CNRS, BODC, EuroGOOS)*

- *Action 10 : Share documentation about « Sensor Source » - (BODC)*

- *Action 11 : Share mapping between Sensor Source and EGO variable name within the different DAC for future harmonization – (SOCIB, IMR, CORIOLIS, BODC)*

- *Action 12 : Ask recommendation about EOV's from OGTT – (OceanGliders, CNRS, EuroGOOS).*

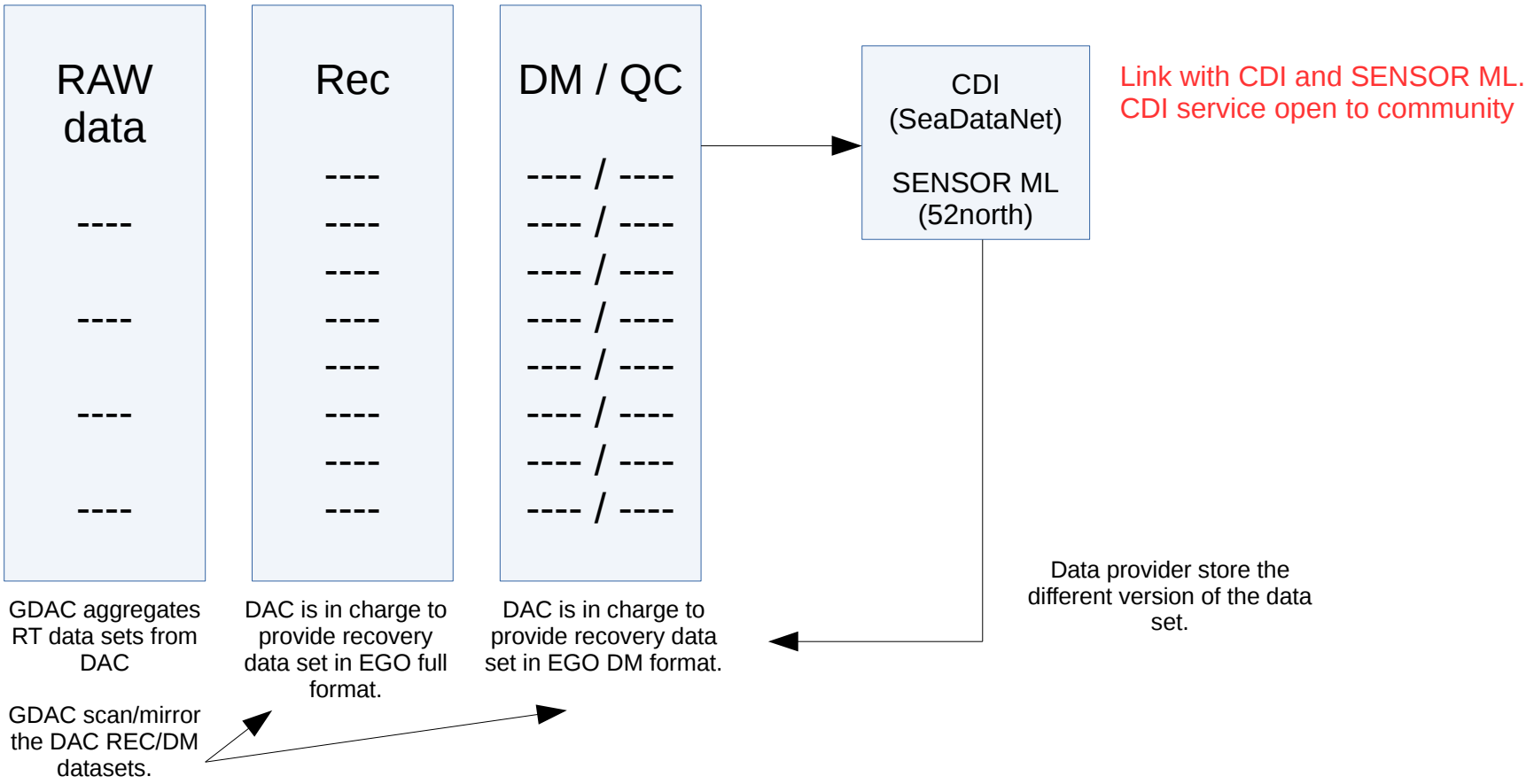
- *Action 13 : Define a « EGO glider core variable » based on OGTT recommendation on EOV's that will prioritize the work of new glider groups. (CNRS, OG).*

- *Action 14 : Connecting the EGO strategic mapping with GOOS – (GOOS, EuroGOOS)*

Delayed mode :

The delayed mode data processing need to be clarify.
There is 3 level of data : Raw, Recovery, DM.

We agree on the following scheme :



The **EGO full format** should be open for discussion. It should :

- be based on EGO RT format
- fully describe QC/calibration process
- allow reprocessing of the data

ACTION 15 : Initiate the redaction of recommendations for future EGO full format, based on actual EGO format – (SOCIB, BODC, IMR, Coriolis) – linked with ACTION 3

ACTION 16 : Recommendations on best practices. OG glider should agree on BP, QC and DM tools – (CNRS, OG)

The previous scheme describe the **role of DAC and GDAC for RT and DM data**. The DM “data flow” is based on the production of CDI from DM data set.

ACTION 17 : Run a pilot to implement that scheme, extract information from format to populate CDI and mirror DAC repository at GDAC place – (DAC, GDAC)

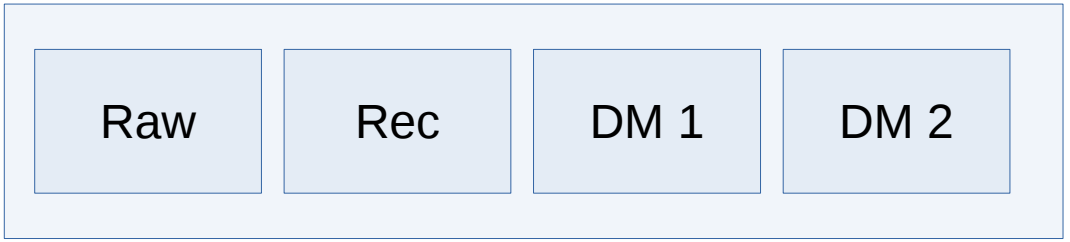
ACTION 18 : Link CDI and sensor ML – access document from SeaDataCloud project – Feedback form BODC on this initiative (BODC, EMODNET Physics, Dan Hayes?)

DOI strategy :

The versioning of the different level of the data sets should also be clarified within the community.

We discuss the following scheme :

DOI



DO 12345678#RAW
#REC
#DM1
#DM2
#XXX

DAC can provide DOI for the different level of the dataset.

DOI should be included in the metadata for easy access. Other fields needed for access to simplify scanning of REC/DM repository ?

1 deployment = 1 dataset = DOI

Action 19 : Write recommendations about the data traceability scheme. Connect with Frederic Merceur from Coriolis about this and discuss the question of what could be included in the format attribute for better access/discovery of the data ? (CNRS, Coriolis, BODC, IMR, SOCIB, EMODNET).

Other aspects of the data flow have been discussed during the meeting.

Sensors .json file contain usefull informations about sensors. There is a demand on having a repository that aggregate all sensor.json.
Action 20 : Create a repository dedicated to sensor .json (CORIOLIS)

Coriolis processing chain uses **.sbd.m** to process slocum raw data into EGO format. We realize that some teams, in particular new/small teams struggle to produces these .sbd.m files. However this issue needs to be documented to enhance an easy access to data management tools for the new teams who want to contribute to the global data management effort.
Action 21 : Clarify the conversion of .sbd to .sbd.m and document it (BODC, SOCIB, CNRS(Testor)).

GTS is one of the important user of the real time data. At the moment there is uncertainty on how and who should process the data to GTS. Data send to GTS should be flag under the flag of the data producer and not the data manager.
Actions 22 : Report on GTS functioning today. How we would like to operate within the community. How we could do that and who will actually do it. - (CNRS, CORIOLIS)

Meeting preparation - 80 person max.

Title :

- "Connecting glider data flow in Europe and beyond A glider data management meeting supported by EMODNET, EuroGOOS and OceanGliders".

Registration :

- Deadline end of August.
- Advertising before 15th of April.
- Send message to the list + target the speakers (second email).
- Advertise through OG, EuroGOOS, EGO, GOOS…
- Change registration form to ask about interest in hands on session. Keep in mind that is should remain optional if it is too demanding.
- Change the text of the advertisement to highlight the benefit for new comers to join and show the motivation behind this meeting.
- Show the speakers too.

Ice Breaker :

- Ask for funding support to manufacturer / AtlantOS ?

Logistic :

- Ask if we can benefit from GOOS Live streeming system.
- See what is needed to be installed (hardware, software) localy.
- Microphone, Moderator and recorder

Funding support for travels :

- Ask Pierre.
- Ask AtlantOS (Brazil, South Africa)... Abstract demanded.

Agenda :
2 days of plenary and 0.5 days of workshop (on demand).

Day1 :
Morning Session : Data Management, “the big picture”.
Afternoon : the “new” and abroad glider teams” - (scientific talks session)
The purpose is to demonstrate the need to offer data management services that can be easily implemented by small teams.

Day 2 :
Morning Session : “The European and abroad data management strategy”.
Afternoon session : “Presentations on new sensors” - (talks session) –
The purpose is to initiate discussion around integration of new sensors in our data management capacity and the delayed mode format.

Day 3 :
Morning session : Workshops – “Hands on Capabilities”.
Afternoon session : Wrap up within the DMTT.