European Data Management Workshop

7th July 2022

How to expand the GROOM RI data management capacity to the "new" data type collected by Gliders in Europe?

- Bring the European glider data management community together to discuss collectively of relevant DM topics.

- Week 1 : Where do we want to be in 2 years time ?
  - Communicate on the status of the EU glider data management
  - Identify issues and bottlenecks in the real time data flow
  - Collect requirements from the community to support the real time data management.
  - Identify the data management services GROOM II could provide for the EU glider community... and beyond.

- Week 2 : Where do we want be in 5 years ?
  - Think collectively the evolution of the data management infrastructure of the GROOM RI to reach sustainability, adaptability and efficiency.
  - **Anticipate the evolution of the data collection capacity of the gliders**

Overall meeting objectives

Audience and moderators

- Name yourself with you name and institution
- Audience should turn off their microphone
- Audience should raise their hand to speak
- Moderator should manage timing and distribute the microphone according to the order of hand raised

The meeting is/will be recorded

Presenter can share their slide in the chat or through email to vturpin@ocean_ops.org

Slides and notes will be available on GitHub:
https://github.com/OceanGlidersCommunity/meeting_notes

Do not hesitate to contribute to the live notes : https://hackmd.io/wc5cIVLLT-SCmvPNHwmhdg?both

Overall meeting objectives

Agenda

🐬 Ground rules and introduction (Victor Turpin - OceanOPS) – 10 min

🐬 Overview of the new capacities (50 min)

    🐬 *The BioGlider project (Laurent Mortier - ENSTAParistech)*

    🐬 *Echo sounder : EK80 (Yves Ponçon - LOCEAN)*

    🐬 *Underwater vision Profiler : UVP6 (Marc Picheral – LOV)*

    🐬 *Carbon measurements by gliders*

    🐬 *Passive Accoustic Monitoring*

🐬 Discussion (Alvaro Lorenzo-Lopez) – 1h

Agenda

Discussion (Alvaro Lorenzo-Lopez) – 1h

- Is the concept of DAC or GDAC appropriate for the new emerging datasets?

- What should be the role of GROOM RI regarding these new data types.

- What should be the role of GROOM RI in the European Data Infrastructure Landscape.

- Near Real Time Data (from MAS). Can we do more with a dedicated infrastructure?.

- Managing New datasets in delayed/recovery mode. What are the challenges?

Padlet board: https://padlet.com/alvarolorenzonoc/as89sbmo9y3iyfld

- Highlight the expending sampling capacity of gliders and its impact on data management.

- Anticipate the needs for the GROOM RI data management infrastructure to be able to ingest, distribute and manage these new types of data.

- Provide elements to complete the data management road map for the GROOM RI in the light of the expending sampling capacity of gliders.

Objectives of the session
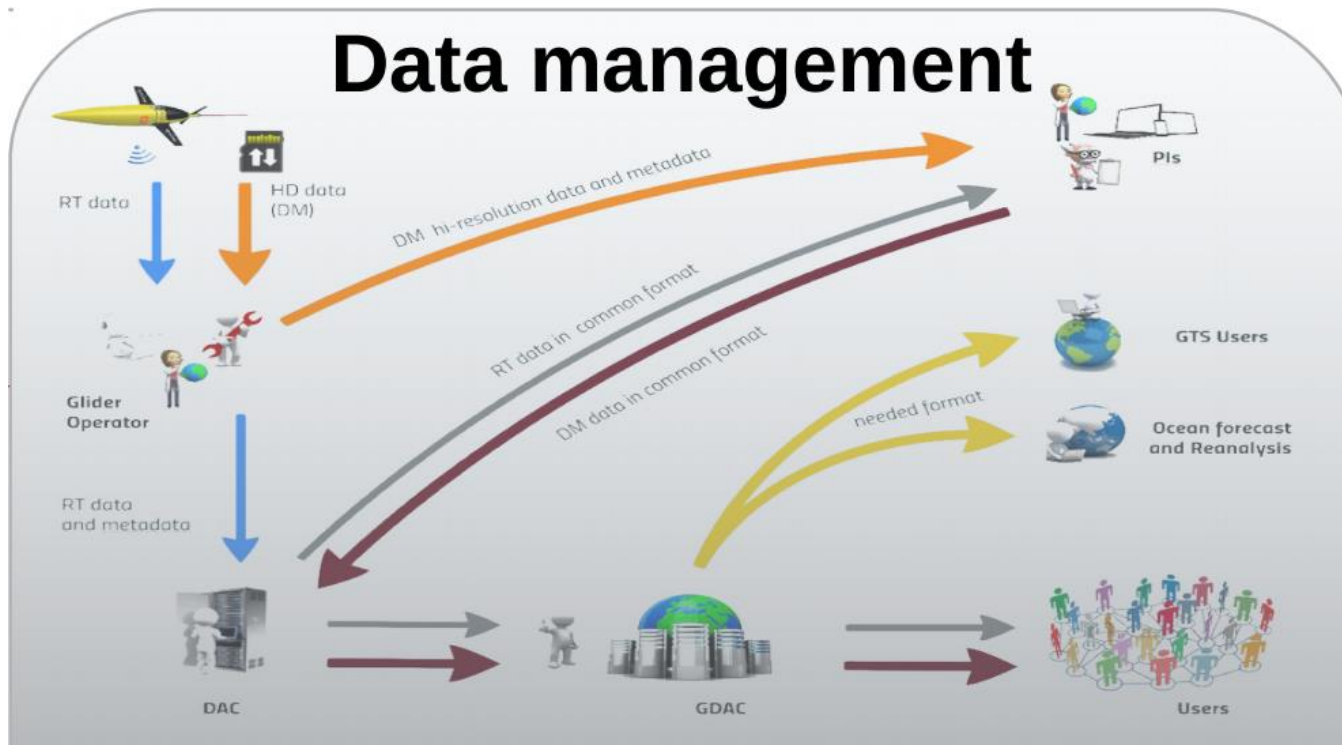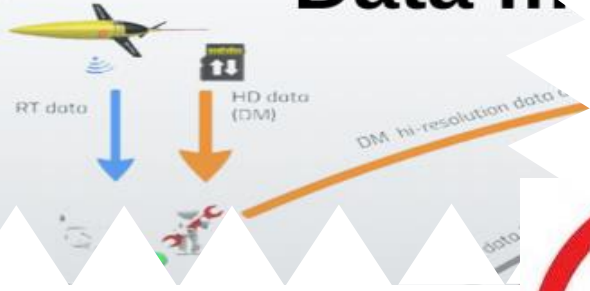
Current "theorical" glider data flow in Europe.
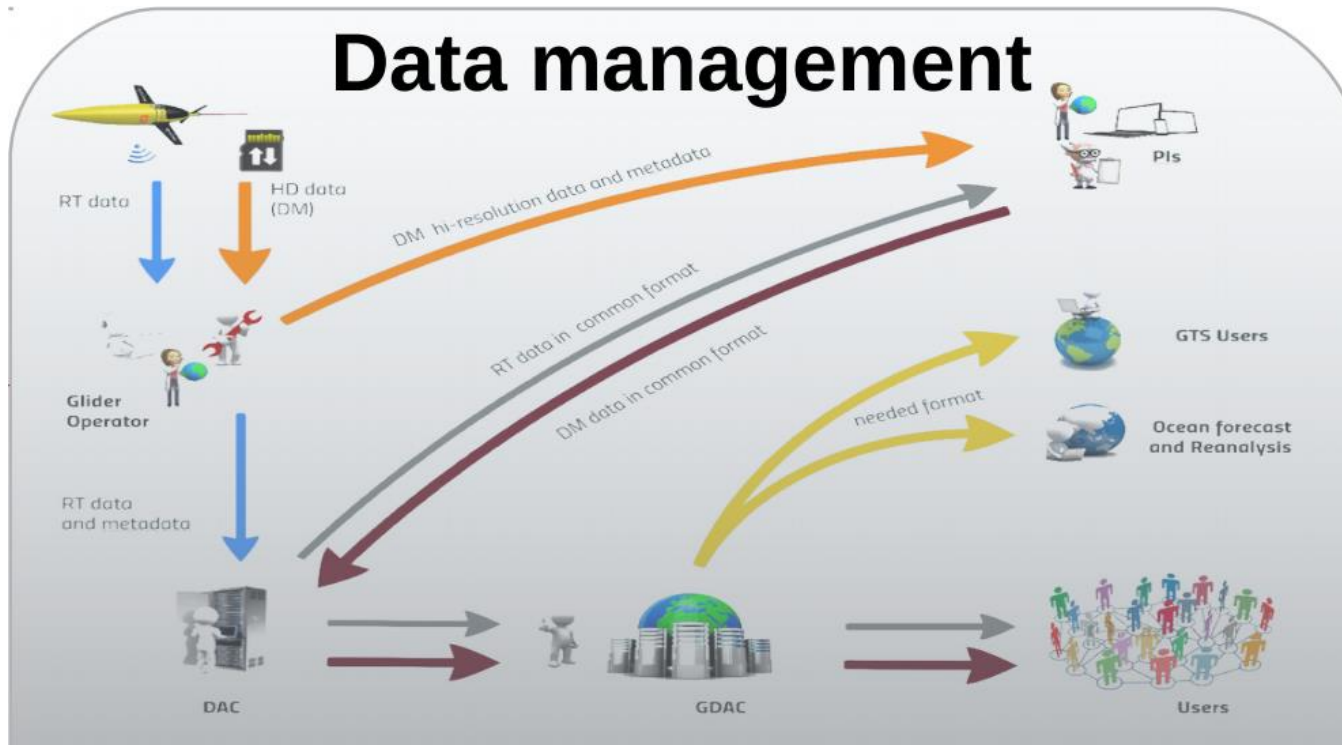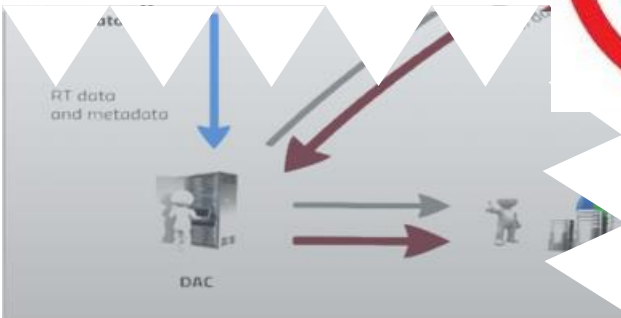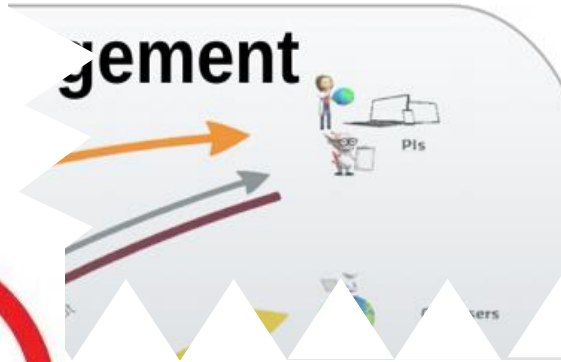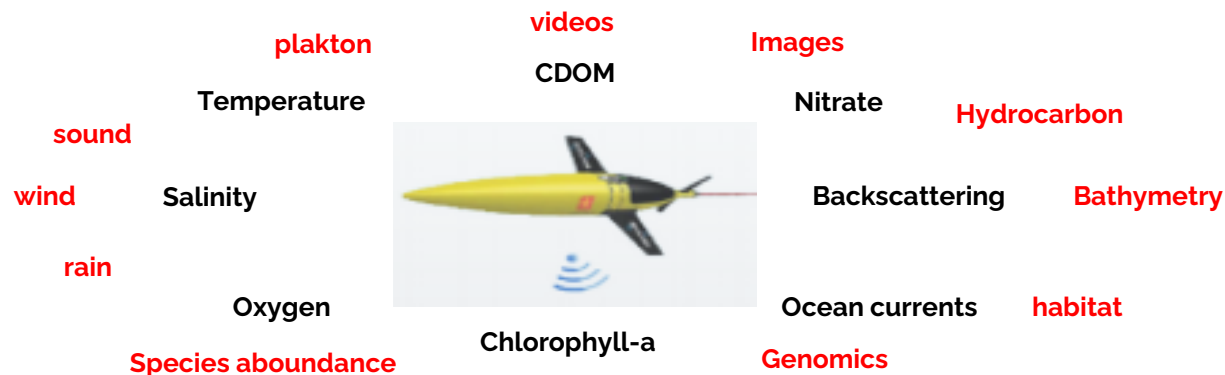
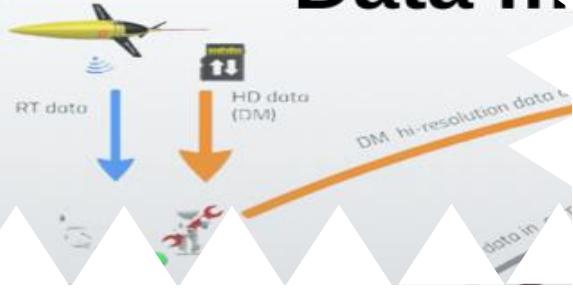**Current "theorical" glider data flow in Europe.**

Data management
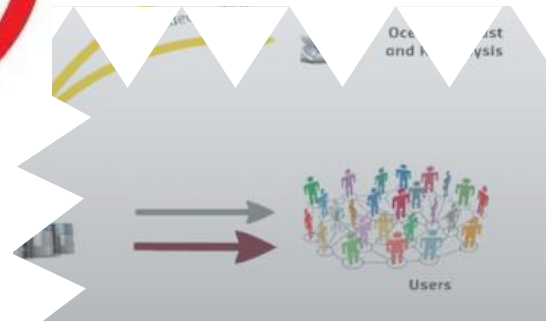
Current "theorical" glider data flow in Europe.

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Against new sampling capacity

plakton
videos
Images
CDOM
Temperature
Nitrate
Hydrocarbon
sound
wind
Salinity
Backscattering
Bathymetry
rain
Oxygen
Ocean currents
habitat
Species aboundance
Chlorophyll-a
Genomics

Data management

Current "theorical" glider data flow in Europe.

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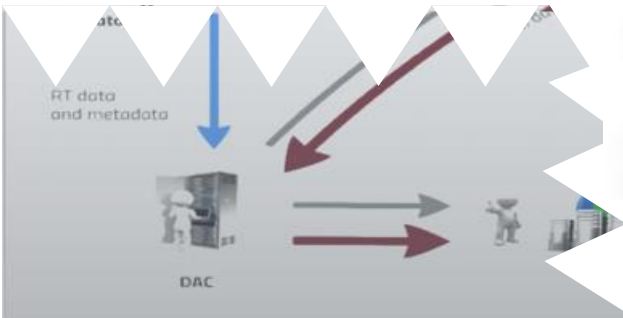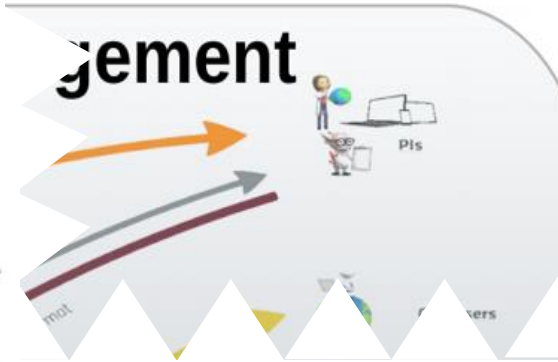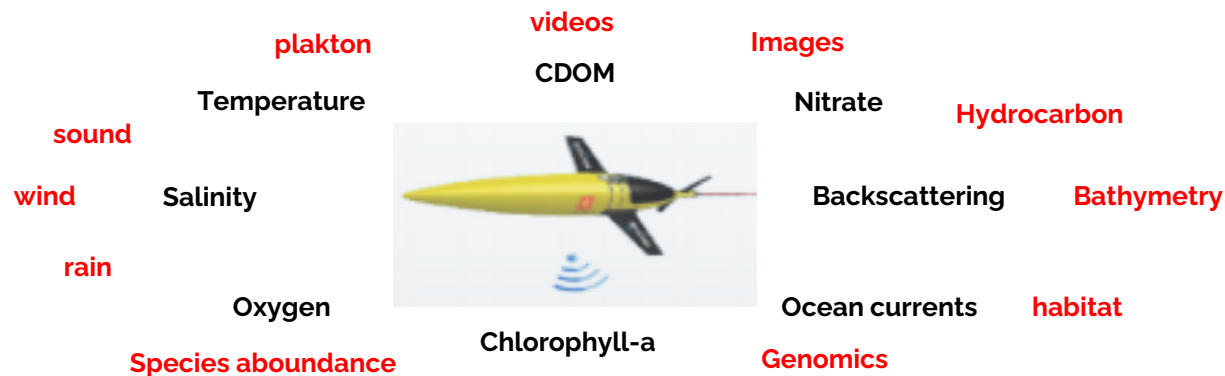*Against new sampling capacity*

videos
plakton
Images
CDOM
Temperature
Nitrate
Hydrocarbon
sound
wind
Salinity
Backscattering
Bathymetry
rain
Oxygen
Ocean currents
habitat
Species aboundance
Chlorophyll-a
Genomics
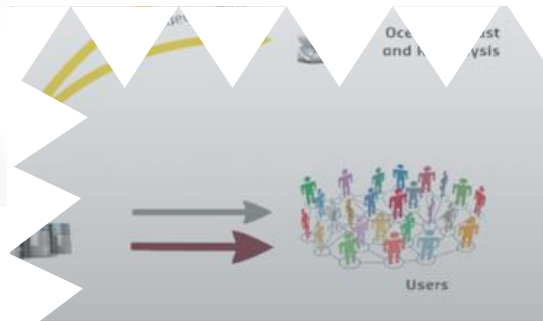
For more information :

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