GROOM II
GLIDERS FOR RESEARCH, OCEAN OBSERVATION & MANAGEMENT : INFRASTRUCTURE AND INNOVATION

EuroSea

EuroGOOS
European Global Ocean Observing System

Workshop 4
Real Time QC: Towards harmonisation in Europe. Summary for plenary

Notes on GitHub with participant list

Justin Buck (chair)

These projects have received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 951842 and No 862828

Workshop objectives

The workshop had 3 objectives:

- Identify the requirements from EGO/GROOM and OceanGliders
- Identify the existing tools and approaches for Real time quality control RTQC
- Discuss how to move on this critical question for real time data management at the European level and in the perspective of GROOM RI

Where we are now

Automated RTQC is a key process for data assimilators of glider data

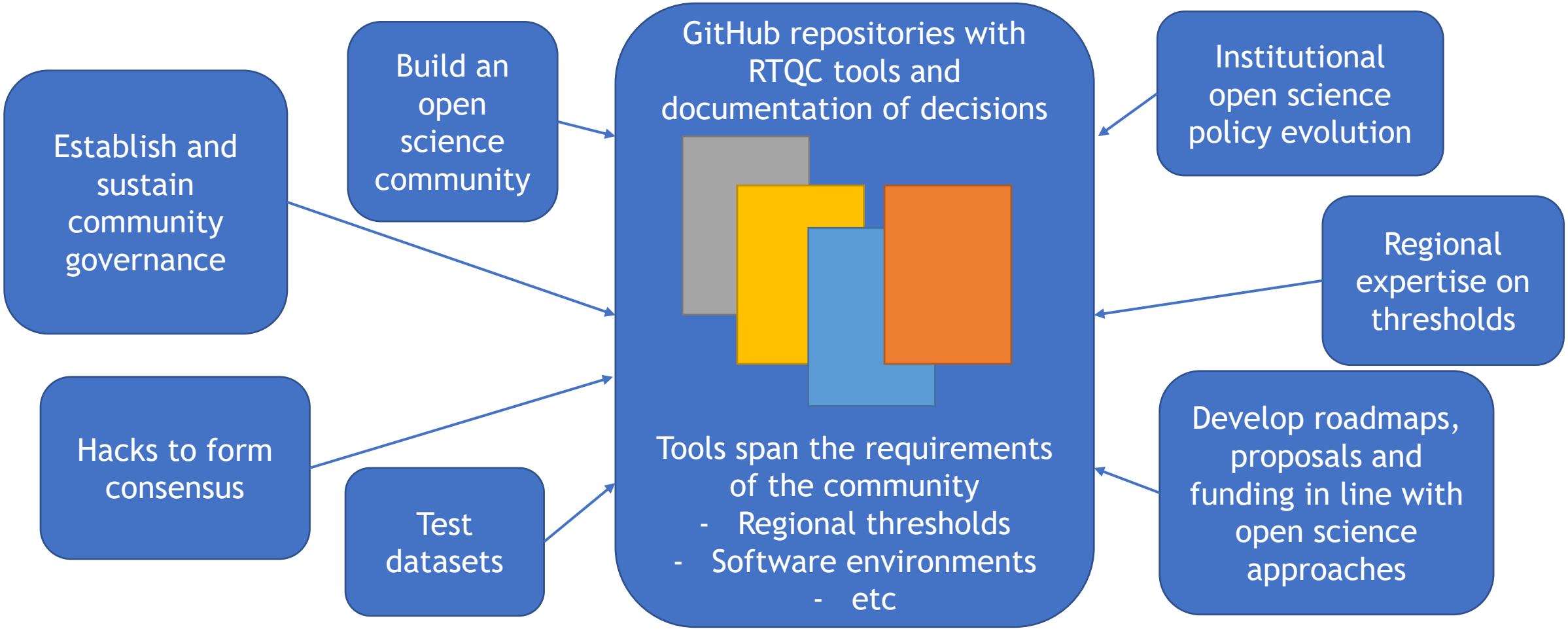
Current RTQC by DACs

- RTQC currently not mandatory in EGO or OG 1.0 formats
- RTQC applied by Coriolis, NMDC and SOCIB
- RTQC not applied yet by BODC and Sweden

Current toolboxes (tests similar but not common)

- SOCIB toolbox
- Coriolis processing chain
- Nacent UEA toolbox
- QC on the SeaGlider base station
- Glider tools
- IOOS QARTOD
- IMOS ANFOG
- CoTeDe

Discussion focused on an open science vision for RTQC to facilitate harmonisation



What next?

Next steps

- Open science vision to be fed into roadmaps (GROOM, EuroGOOS, etc) and OceanGliders RTQC best practice work
- Move communication to the OG GitHub repositories
- Hacks to bring groups and activities together

How to get involved

Currently a several threads in the GitHub repository

- Overarching issue to look at where to continue dialogue in GitHub
- QC of oxygen best practice
- QC of salinity
- There is a repository on parameter non-specific NRT QC soon (Gui is the lead)

Feedback please

OceanGliders format documentation and governance

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