## Oceanids command and control (C2) data system – Marine autonomous systems data for vehicle piloting, scientific data users, operational data assimilation, and linking to the FAIR principles. **Thomas Gardner** *thogar@bodc.ac.uk,* **Justin Buck** *justin.buck@bodc.ac.uk,* **Alexandra Kokkinaki** *alexk@bodc.ac.uk,* **Oceanids C2 development team**



User

Data

The Oceanids system utilises the metadata collated to automate the process of NRT data upload, processing and delivery. By combining the metadata with the raw Seaglider or Slocum files the system can produce Gliding Everyone's and Observatories (EGO) NetCDF format files.

Delayed Mode Processing The platforms send Processing NRT data to the system. The system graphs both the science engineering data, allowing on-the-fly for refinement of the science missions and live monitoring of the platform's health.

NMF Engineering Database

Time (NRT)

Processing

Long term Archival Quality

control

The Oceanids system enables stakeholders to interact with marine autonomous platforms and to access standardised NRT data via a common interface.

