RDA Marine Data Harmonisation IG
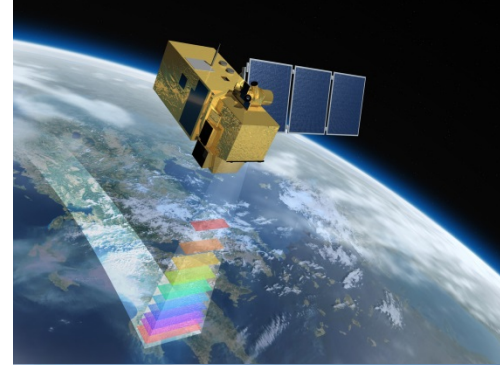
Oceanographic data

- Wide range of measurements and variables

- Derived from broad spectrum of multidisciplinary projects/programmes

- Collected by multitude of research institutes, governmental organisations and private companies

- Using various sensors to measure physical, chemical, biological, geological and geophysical parameters
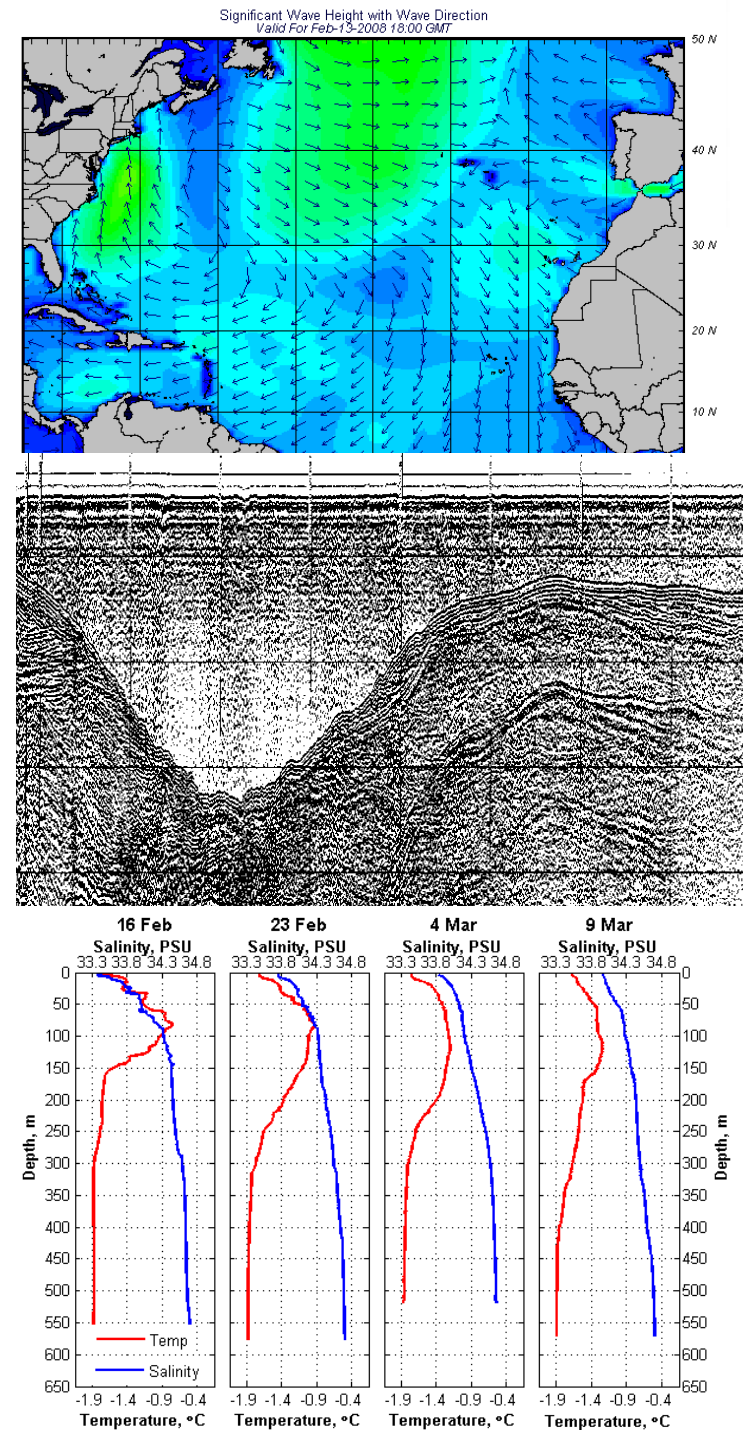
Data acquisition

- Sensors installed on various platforms:
  - Research vessels
  - Satellites
  - Buoys/floats/gliders
  - Aircraft
  - Submersibles
  - Fixed moorings
  - Fauna

Barriers to re-using data

- Use of different

  - Formats

  - Standards

  - Best practice

  - Co-ordinate systems

  - Technologies

- National and organisational data access policies

Marine Data Harmonisation IG

Background

- Science domain focused IG/WG for marine research

- Promoting a common global framework for marine data management

- Working closely with other related initiatives:

  - ODIP

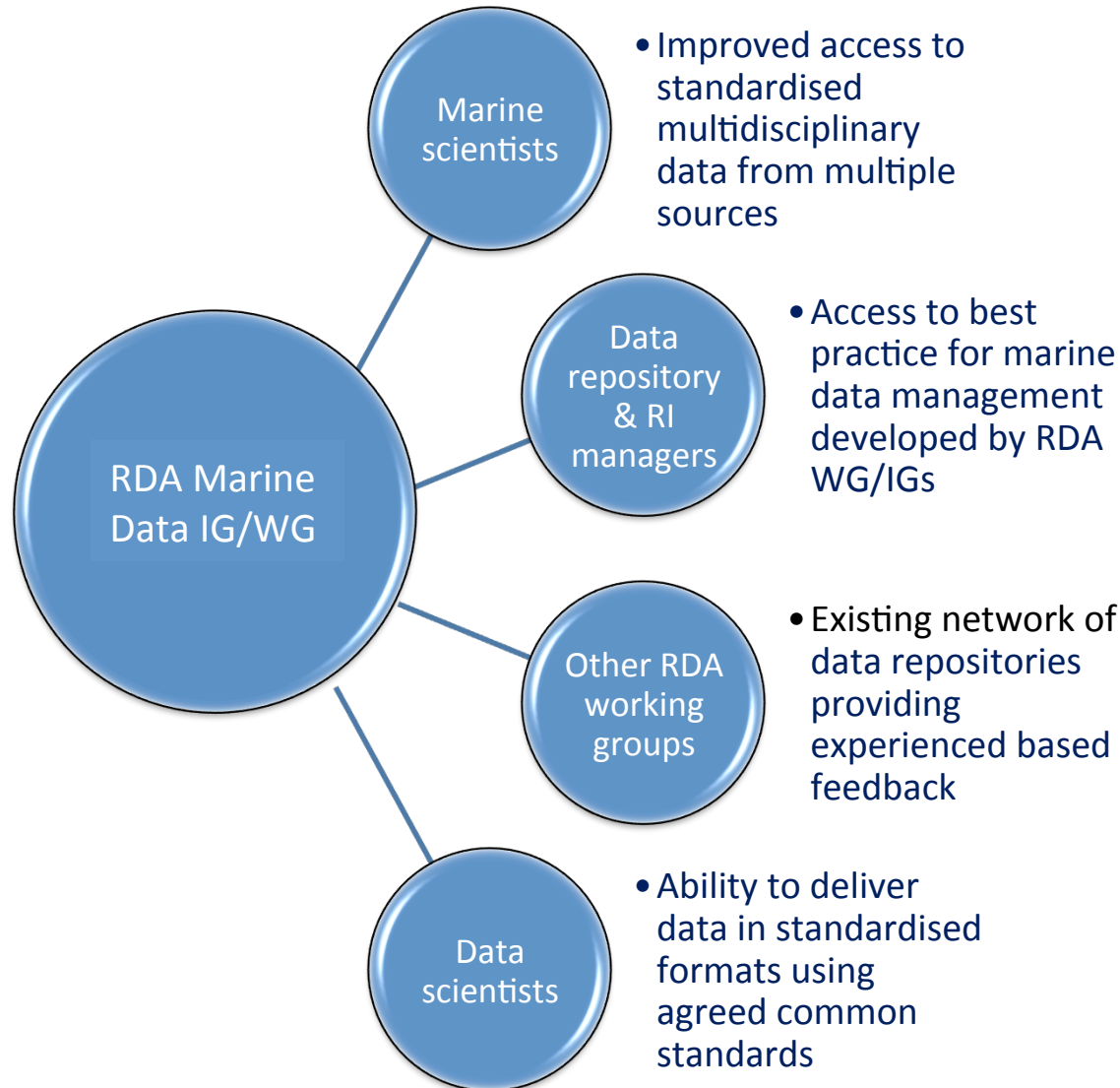 - Belmont Forum

  - IOC-IODE

Community

Marine Data Harmonisation IG

Objectives

- Promote the development of a common global framework for the management of marine data

- Identify the challenges and barriers to establishing interoperability of data and services in the marine domain.

- Promote the use of common standards and best practice across the marine data management community

- Inform the activities of other RDA IG/WGs with relevant input and feedback from the marine domain

- Disseminate the outcomes of relevant RDA WGs/IGs to the marine data management community

Beneficiaries of the RDA Marine Data Harmonisation IG

RDA WG/IG engagement

Working Groups

- Brokering Governance

- **Data Citation**

- **Data Foundation and Terminology**

- **Data Type Registries**

- **Metadata Standards**

- PID Information Types

Interest Groups

- Brokering

- Data Fabric

- Metadata

- Preservation e-infrastructure

- Publishing data

- Vocabulary Services

Working group outputs directly addressing current issues in the marine domain

- Data Type Registries

- Metadata standards directory

- Data Citation

- Data Foundation & Terminology

Metadata Standards Directory

- Metadata standards: fundamental to developing a common approach to marine data management

- Domain specific metadata standards in use:
  - regional e.g. European Common Data Index (CDI)
  - national e.g. Marine Community Profile (MCP); MEDIN

- RDA metadata standards directory can be used in this context

- Marine domain can provide suitable use cases

Comments or questions welcome

Thank you!