EuroGOOS
European Global Ocean Observing System

SeaDataNet

PAN-EUROPEAN INFRASTRUCTURE FOR OCEAN & MARINE DATA MANAGEMENT

Title: WP9.6, Integration of external datasets from international programs and organizations

Name and date: Patrick Gorringe and the EuroGOOS Office Team
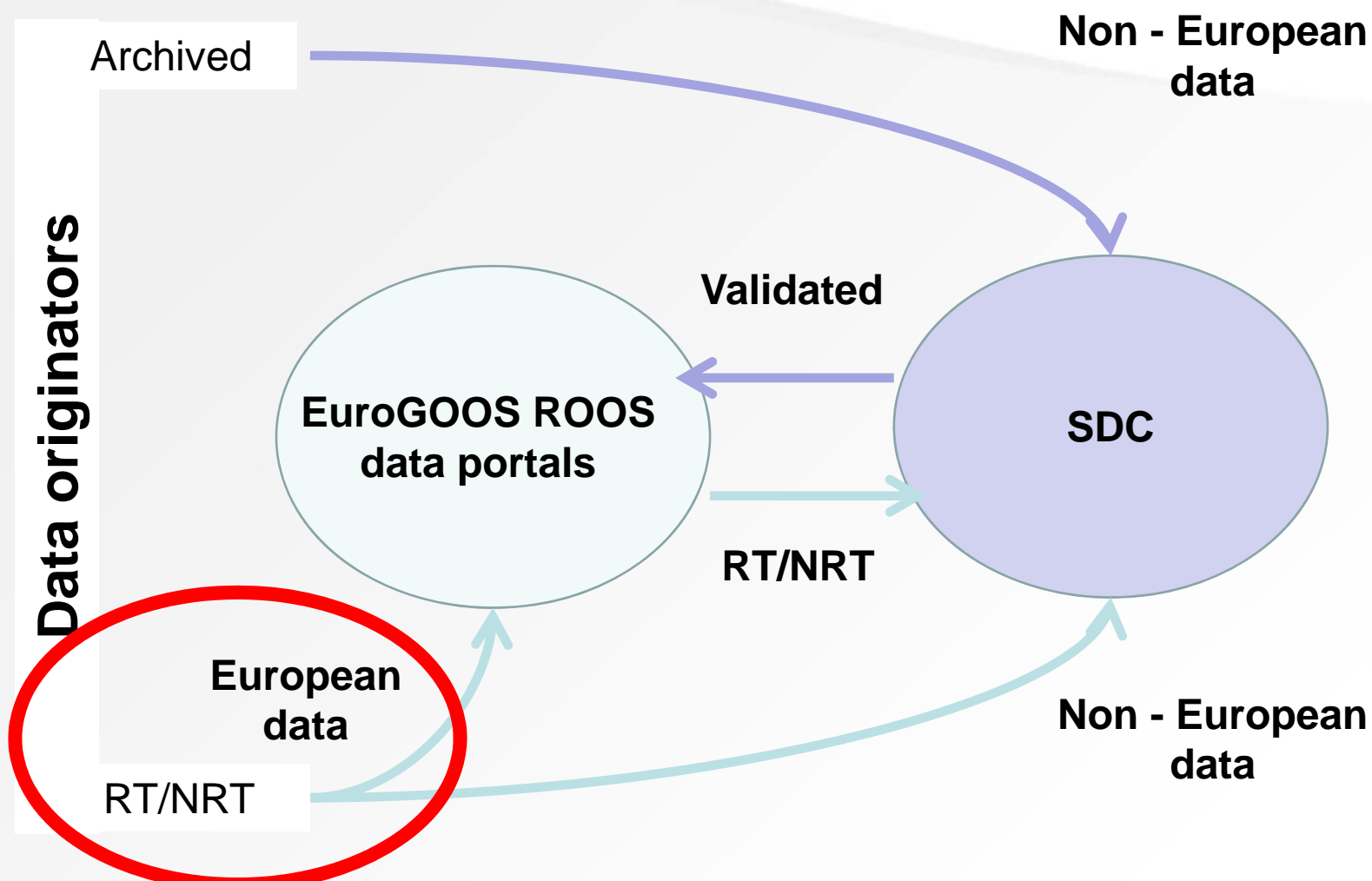**EuroGOOS AISBL, Brussels, Belgium**

WP9.6 Integration of external datasets from international programs and organizations such as EuroGOOS ROOSs, Argo, WOD,….in cooperation with ODIP II

WP9.6 Integration of external datasets from international programs and organizations

- **Facilitate coordination** between **international organizations** and programs to trace, and as far as possible, make available relevant data and ensure their **integration in SDCloud**

- Ensure **data collected in RT/NRT** (e.g. within EuroGOOS ROOSs/INSTAC i.e. mainly physical parameters) are **available to SDCloud**

- ….and enable their long-term preservation by SDCloud

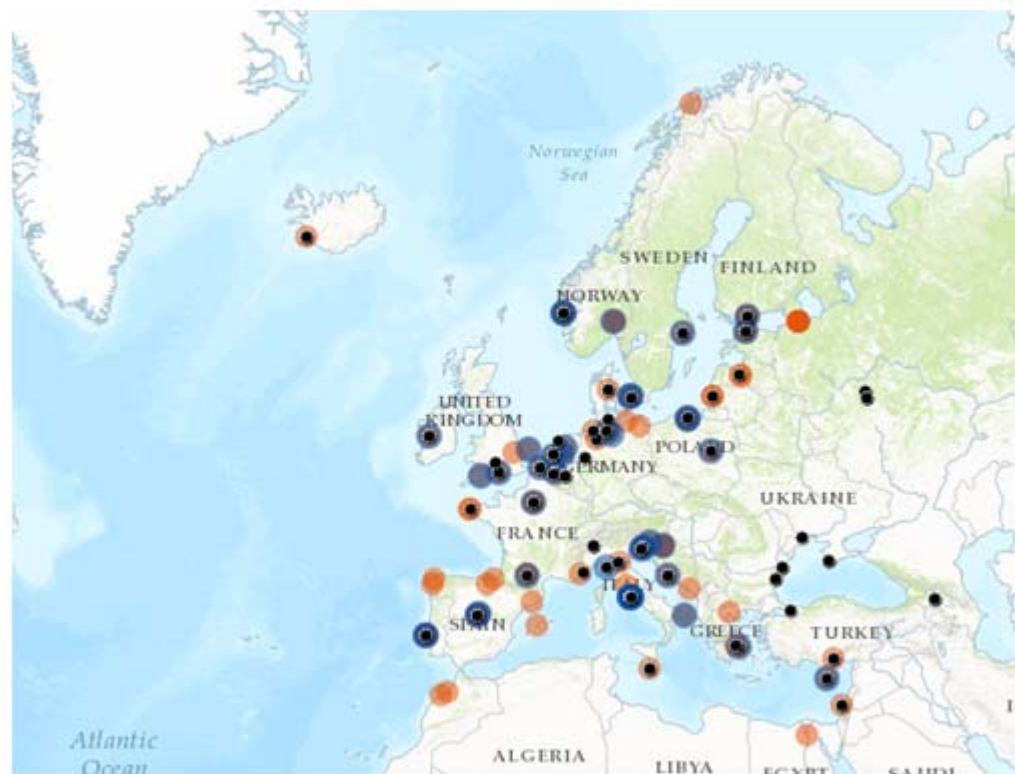- **Task WP9.6.1**: Identify a list of relevant and possible external datasets (M6)

Integration of external datasets from international programs, <u>non- European data</u>
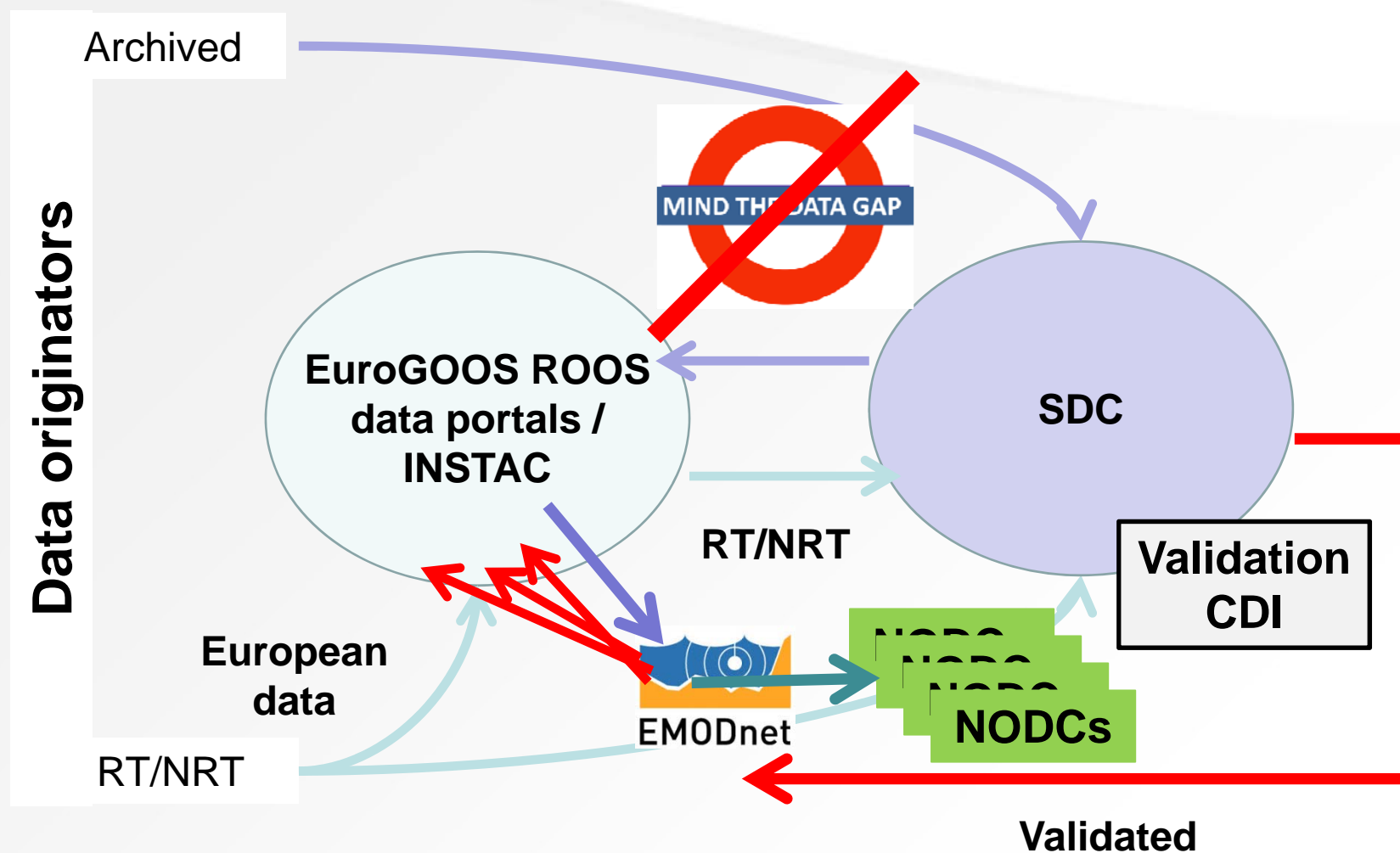
MIND THE DATA GAP

Integration of external **RT/NRT** datasets e.g. EuroGOOS ROOSs, **European data**
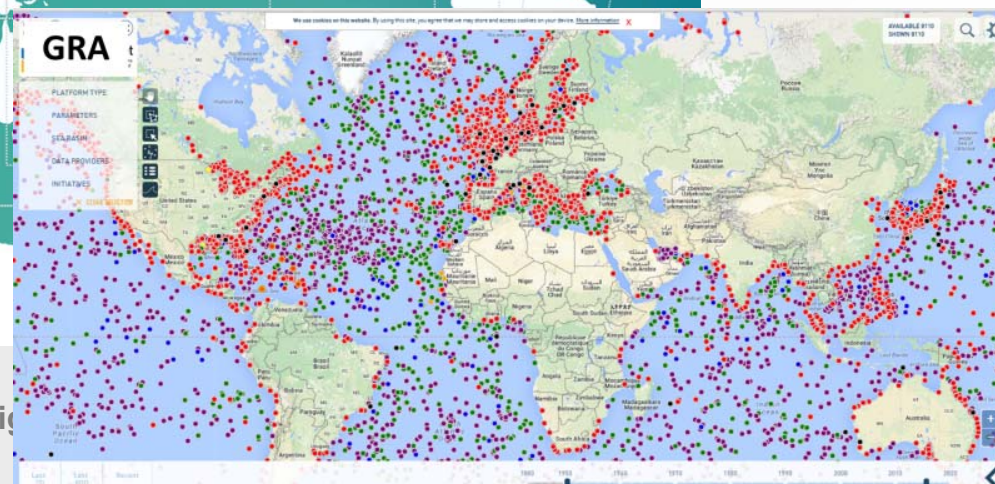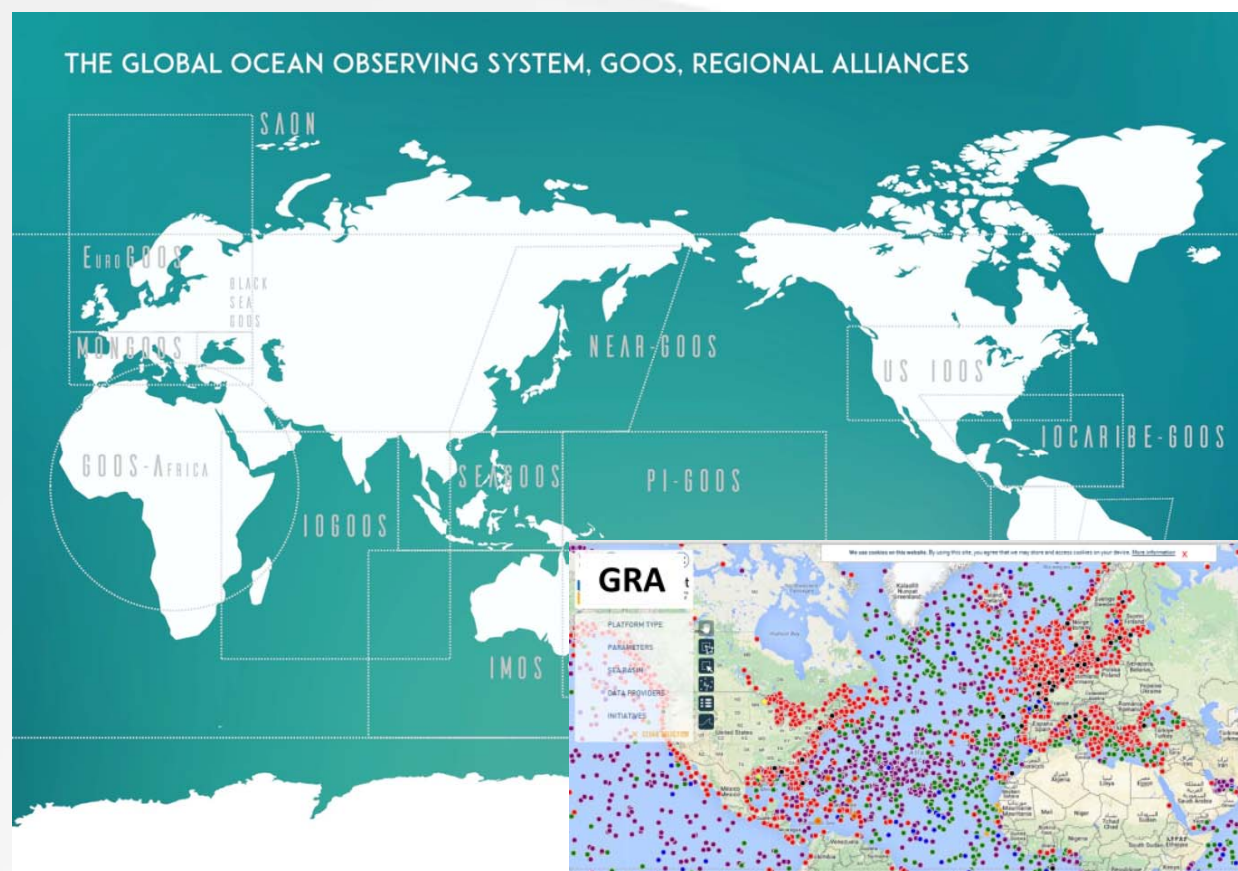
Ensure data collected in RT/NRT within EuroGOOS ROOSs/INSTAC are available to SDCloud

- Task WP9.6.1: Identify a list of relevant and possible external datasets (M6)
  - To provide a list of relevant external datasets and collections, in collaboration with the Scientific Committee

  - For some datasets an agreement might already be in place, for others negotiation will be initiated

PAN-EUROPEAN INFRASTRUCTURE
FOR OCEAN & MARINE DATA
MANAGEMENT

Task WP9.6.1: Identify a list of relevant and possible external datasets (M6)

EuroGOOS
European Global Ocean
Observing System

SeaDataCloud KO, Rig

Task WP9.6.1: Identify a list of relevant and possible external datasets (M6)

https://ioos.noaa.gov/

- IOOS data comes from a variety of technologies or data collection systems

- Data is collected from 11 regional associations

- IOOS data products include data collected from buoys, high frequency radar systems and gliders

- Physics, Biology, Chemistry

- IOOS data can be accessed through a variety of access services and tools through IOOS interactive maps, Data Assembly Centers (DACs), and individual Regional Association

Task WP9.6.1: Identify a list of relevant and possible external datasets (M6)
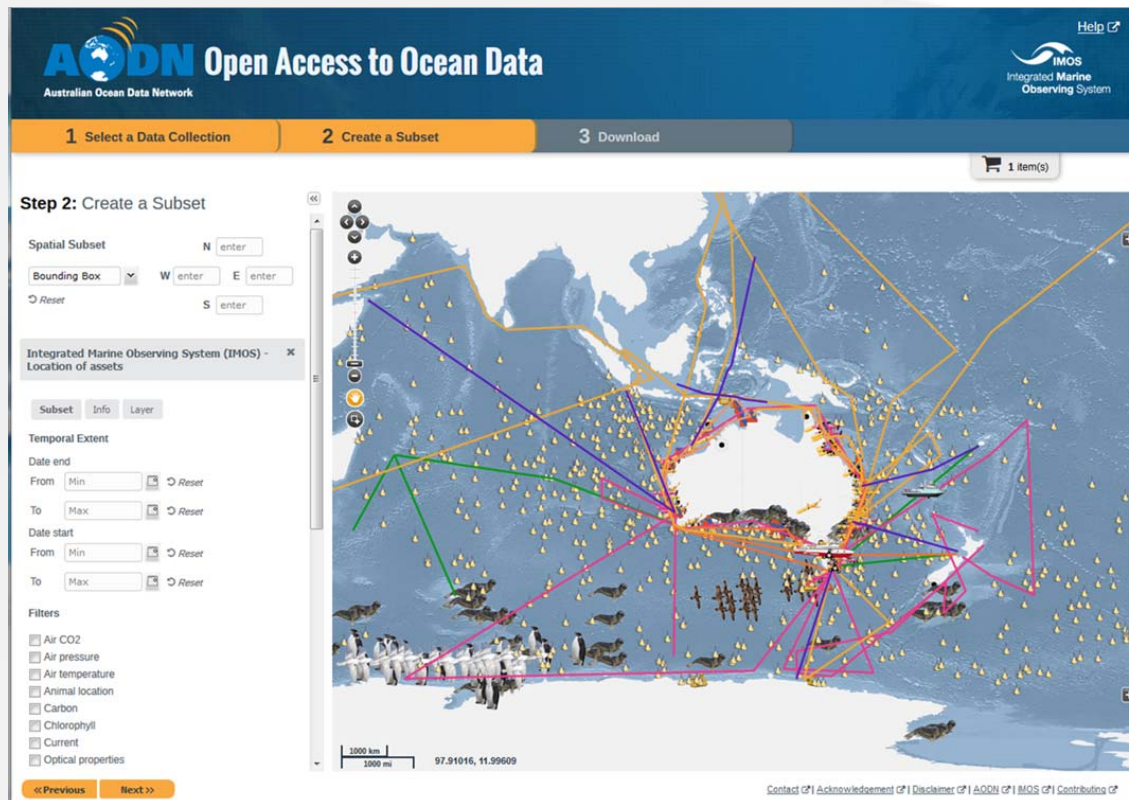

The AODN Portal provides access to all available Australian marine and climate science data and provides the primary access to IMOS data including access to the IMOS metadata.

https://portal.aodn.org.au/

Task WP9.6.1: Identify a list of relevant and possible external datasets (M6)

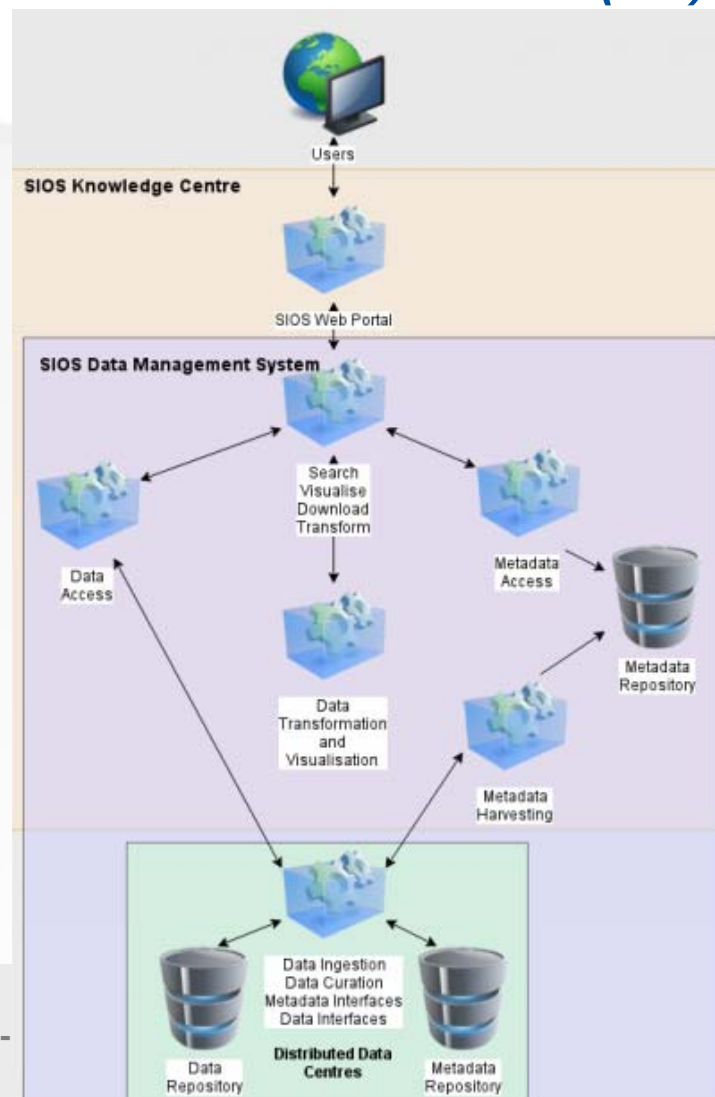# Task WP9.6.1: Identify a list of relevant and possible external datasets (M6)

http://goa-on.org/

Task WP9.6.1: Identify a list of relevant and possible external datasets (M6)
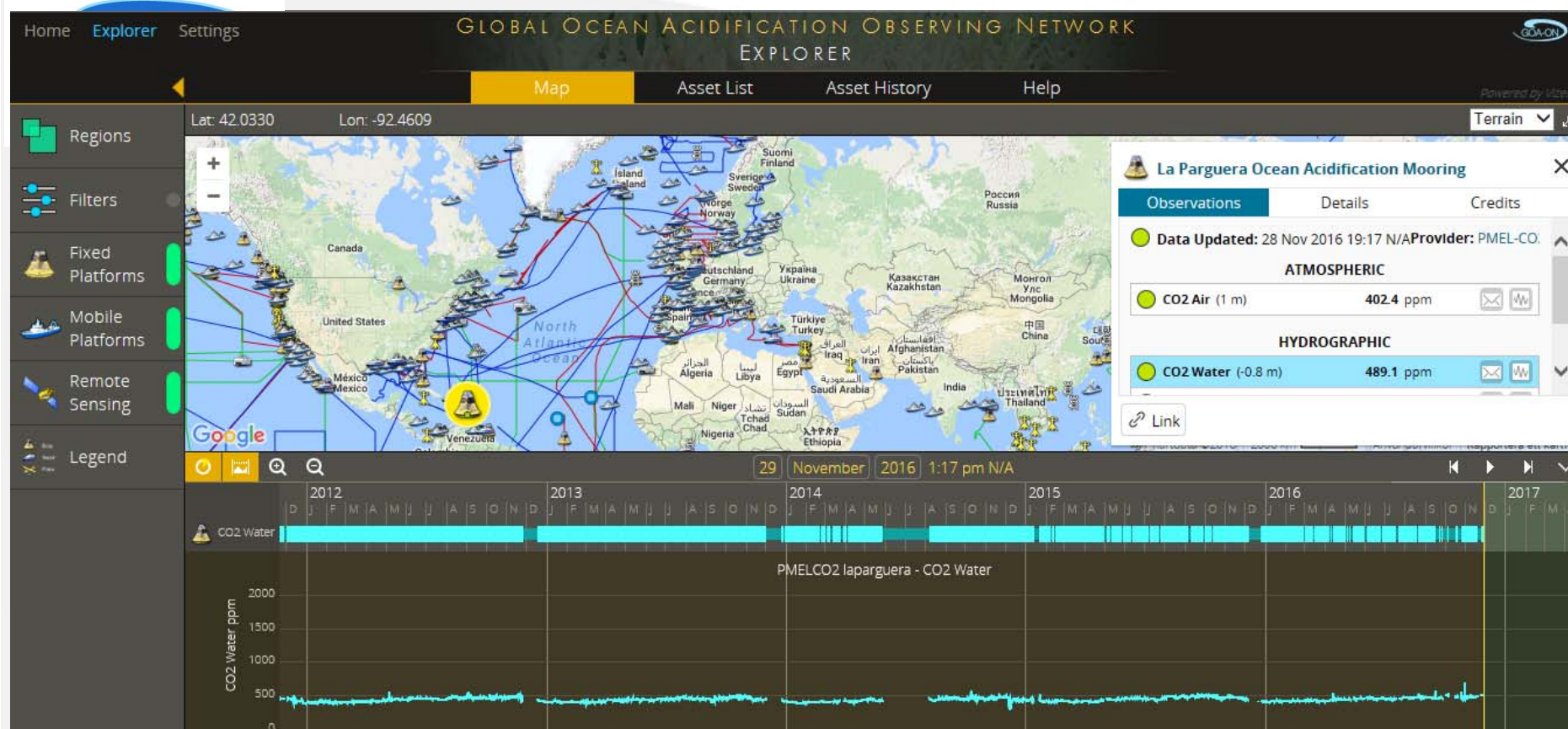
SIOS
SVALBARD INTEGRATED ARCTIC EARTH OBSERVING SYSTEM

SIOS is a regional observing system for long-term measurements in and around Svalbard addressing Earth System Science questions.
SIOS integrates the existing distributed observational infrastructure and generates added value for all partners.
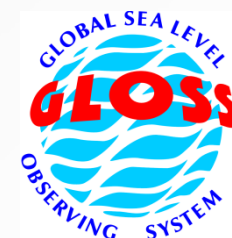14 partners from Germany, Italy, Finland, UK and Norway

www.sios-svalbard.org/

EuroGOOS
European Global Ocean Observing System

Task WP9.6.1: Identify a list of relevant and possible external datasets (M6)

www.ndbc.noaa.gov/
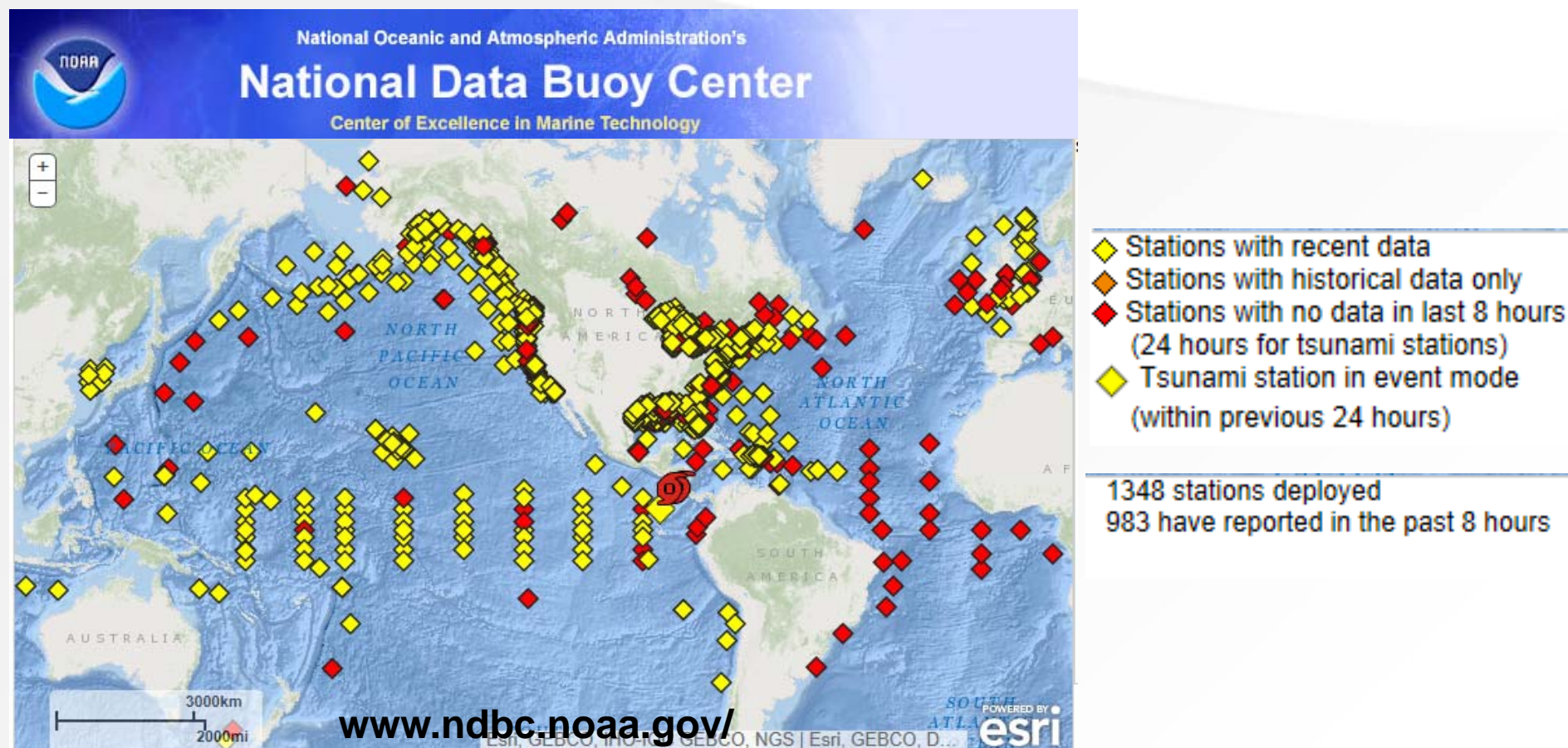
Task WP9.6.1: Identify a list of relevant and possible external datasets (M6)

Task WP9.6.1: Identify a list of relevant and possible external datasets (M6)

	Provider	Website	Link to Data Services (WMS, WFS)	Description
IOOS	U.S. Integrated Ocean Observing System (IOOS)	https://ioos.noaa.gov/		-----
AODN	Australian Ocean Data Network	https://portal.aodn.org.au/		------
SIOS	Svalbard Integrated Arctic Earth Observing System	www.sios-svalbard.org/		------
SOOS	Southern Ocean Observing System	www.soos.aq/		-----
Argo	Argo floats	http://www.argo.ucsd.edu/		-----
OceanSITES	OceanSites	http://www.oceansites.org/		-----
SOCAT	Surface Ocean CO2 Atlas	www.socat.info		A Collection of Surface Ocean CO2 Observations Quality Controlled by the Science Community