How SeaDataNet has influenced our data management methods
Summary

- Intro UTM
- Data/metadata flow to SDN
- Data QC & conversion
- Influence of SDN
- Other Implementations
UTM

Vessel | Length
--- | ---
Sarmiento de Gamboa | 70.50 m
Hespérides | 82.5 m
García del Cid | 37.2 m

UTM-CSIC Data Center

UTM SDI

Data Management from acquisition

to dissemination

sdn-userdesk@seadatanet.org – www.seadatanet.org
Data/Metadata flow

raw data -> Mikado -> WebForest

on board

pre csr -> Mikado -> Ends&Bends

pre cdi

csr -> /add

cdi

WebForest

Mikado

EARS 3

Ends&Bends
raw data

Mikado

WebForest

on board

csr
cdi

/add

Mikado

Ends & Bends

csr
cdi

sdn2utm

/sdn

move

runs once a day

cruise

transformation

data

create purl directory

/utm

directory

harvesting

/ set

links to purl

links to resources

sdn2utm

gnw-utm

DOI

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Geonetwork - UMT

The FAUCES-1 cruise is an activity carried out within the framework of the Spanish project entitled “FAUCES” (OCEANOGRAPHIC CRUISE & DATA CATALOG), which aims to study the main geological phenomena in the Mediterranean Sea, including the processes that shape its continental margins. The project focuses on the study of the geomorphological characteristics and geological processes that occur in the Mediterranean Sea, with a special emphasis on the continental margins of southern Europe (Pyrenees and Alboran-Huesca). During the cruise, the researchers will conduct various activities, including the collection of data on the ocean floor, the study of the sedimentary structures, and the investigation of the main geological features of the region.

Download and links

Source datasets

- **sdg20170925_adop** (Source dataset) Current profiler data acquired on board the RV Sarmiento de Gamboa with a Towed Hydrographic instrument on the FAUCES-1 cruise more...
- **sdg20170925_telemetry** (Source dataset) Multichannel seismic reflection data acquired on board the RV Sarmiento de Gamboa during the FAUCES-1 cruise more...
- **sdg20170925_moc** (Source dataset) Meteorological data acquired with an Acoustic meter during the FAUCES-1 cruise more...
- **sdg20170925_met** (Source dataset) Meteorological data acquired with an Acoustic meter during the FAUCES-1 cruise more...
- **sdg20170925_zdf** (Source dataset) Sub-bottom profiler data acquired on board the RV Sarmiento de Gamboa during the FAUCES-1 cruise more...
- **sdg20170925_zep** (Source dataset) Water column data from 8 XBTs launched during the FAUCES-1 cruise more...

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A single xml file feeds 2 infrastructures
Data QC & Conversion

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QCP

SeaDataCloud

UTM

2018/12/12 11:58:38 52°20.98' S, 69°9.98' W

Air Temperature [°C]

Wind Speed [m/s]

Pressure [hPa]

Temperatura aire — radiacion solar

Velocidad_lint_eliento — humedad

Presion_atm
Influence of SDN

• Adoption of SDN standards for data/metadata
• Use of controlled vocabularies
• Use of SDN software

Bases – SDN concepts
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Other Implementations

- To link CSRs with CDIs
- QC tool for underway data (by plotting)

- to include more metadata tags into CDIs, such as ship name, instrument model and id, ... FAIR
Thank you for your attention!