



 **UTM**
UNIDAD DE TECNOLOGÍA MARINA

 **CSIC**
CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS

SeaDataCloud

How SeaDataNet has influenced our
data management methods

Final Meeting, web meeting , 29-30 October 2020
sdn-userdesk@seadatanet.org – www.seadatanet.org



Summary

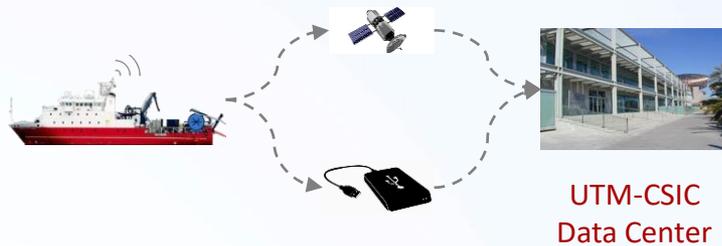
- Intro UTM
- Data/metadata flow to SDN
- Data QC & conversion
- Influence of SDN
- Other Implementations



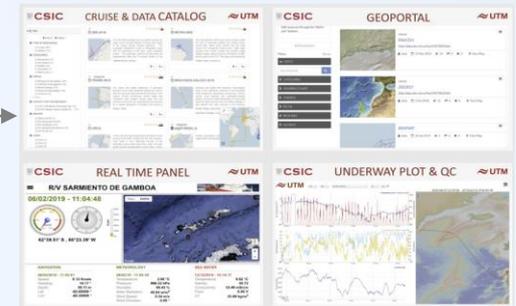
UTM



Vessel	Length
Sarmiento de Gamboa	70,50 m
Hespérides	82,5 m
García del Cid	37,2 m



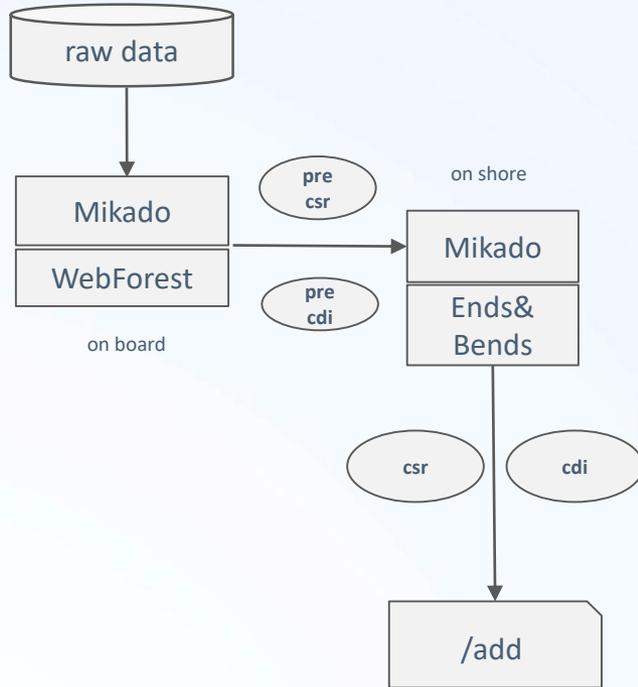
UTM SDI



Data Management from acquisition → to dissemination

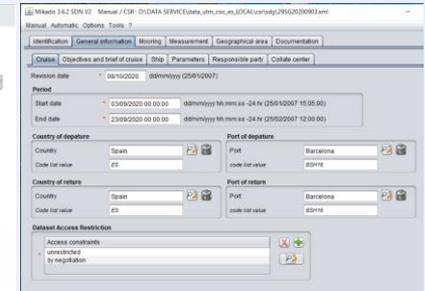


Data/Metadata flow

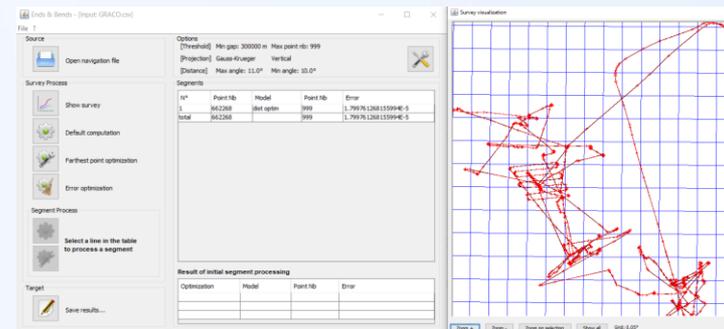
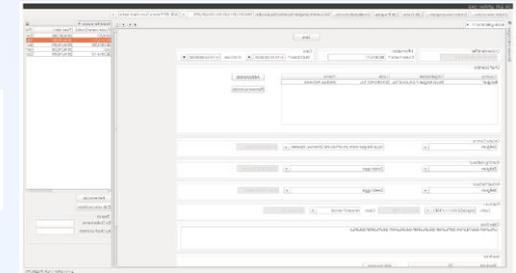


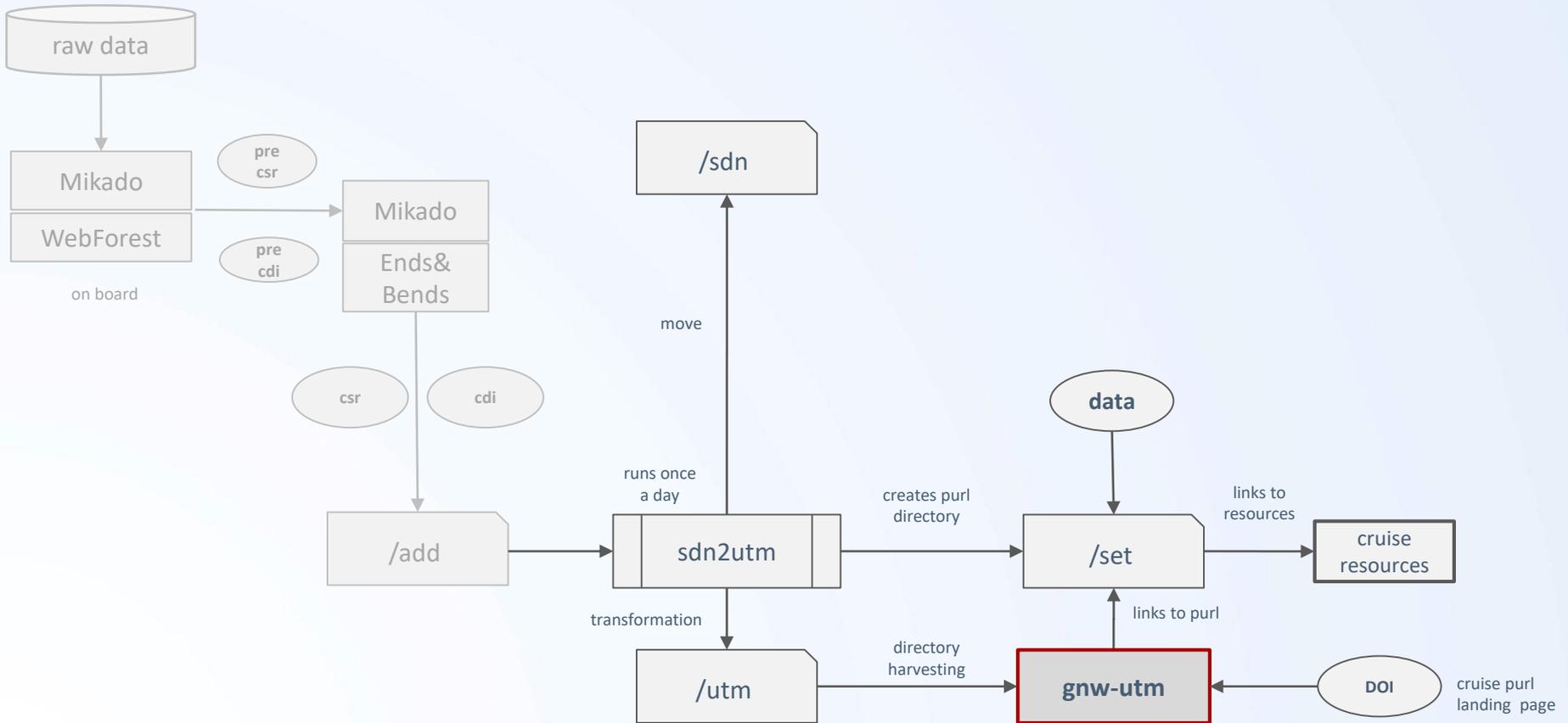
WebForest

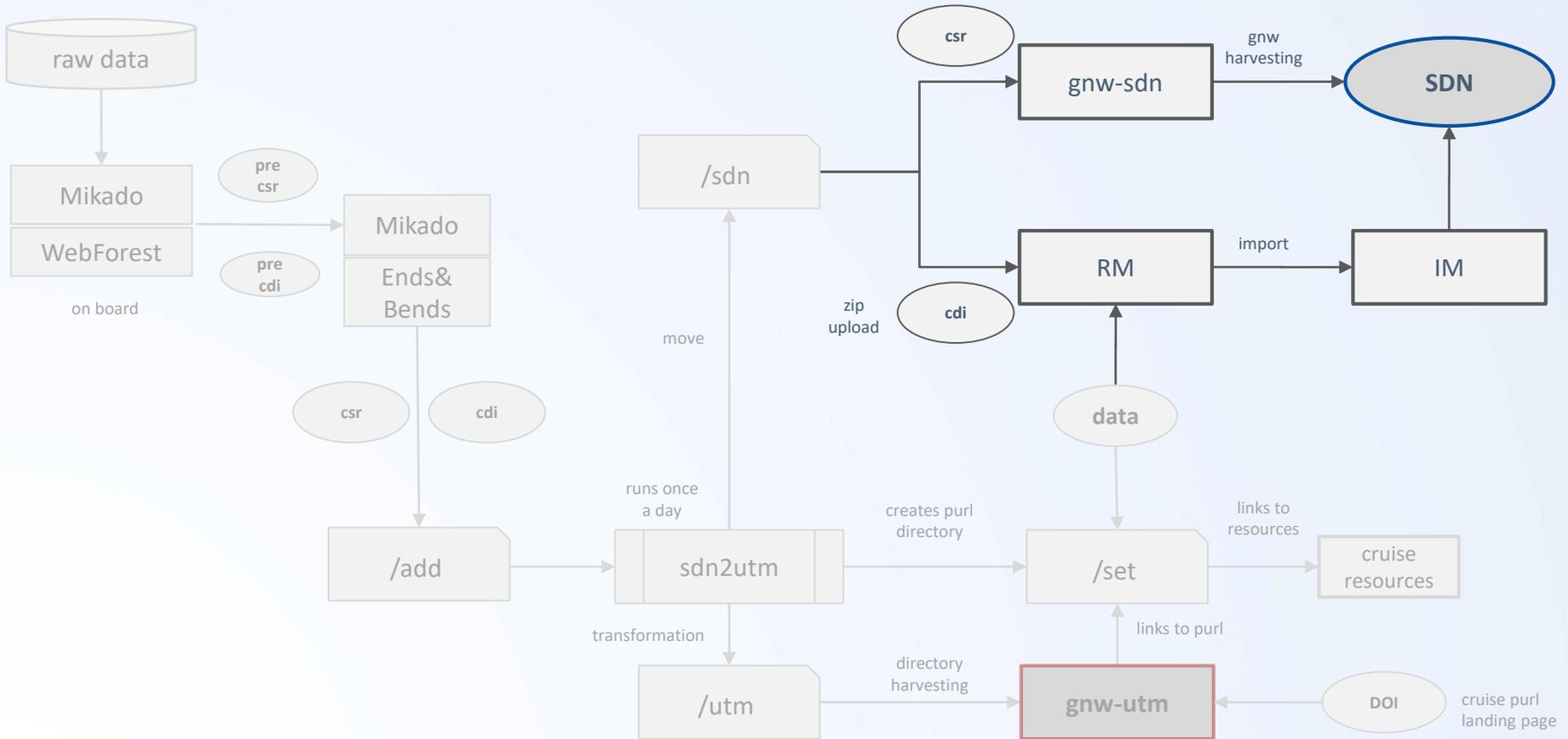
Mikado

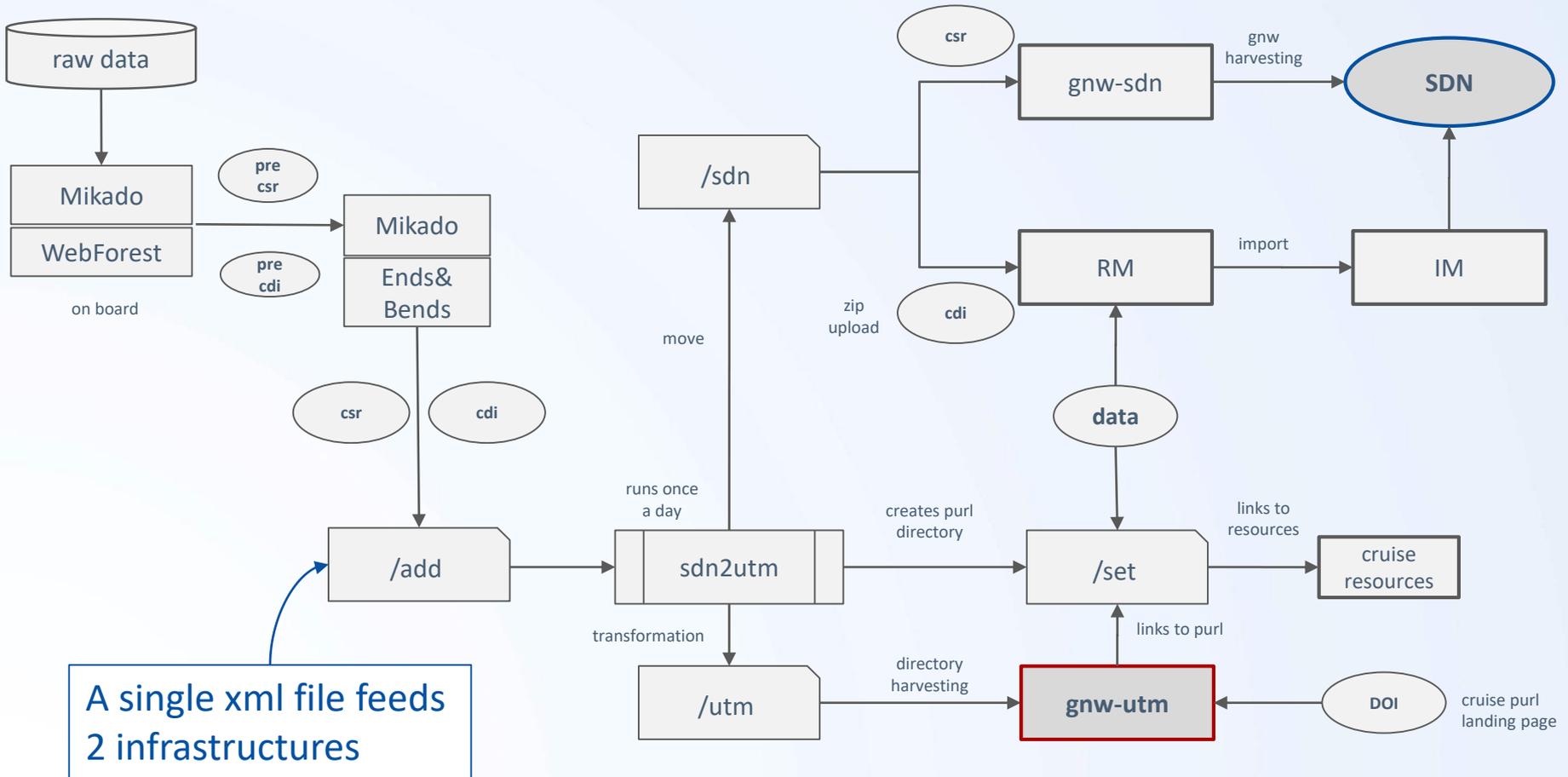


EARS 3



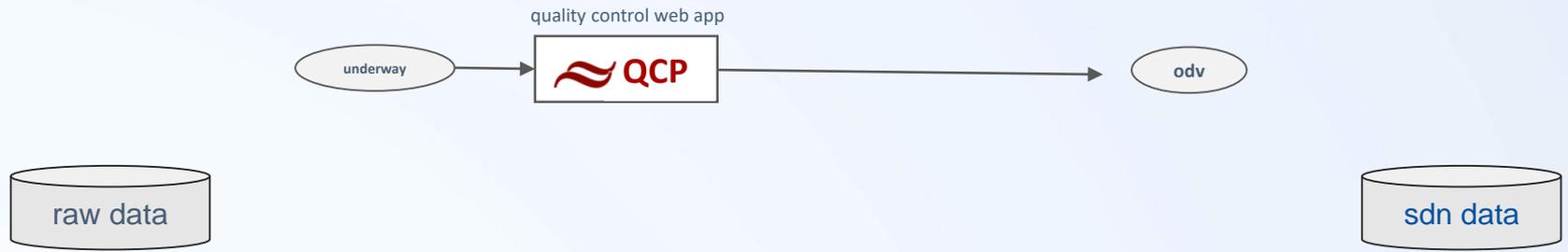




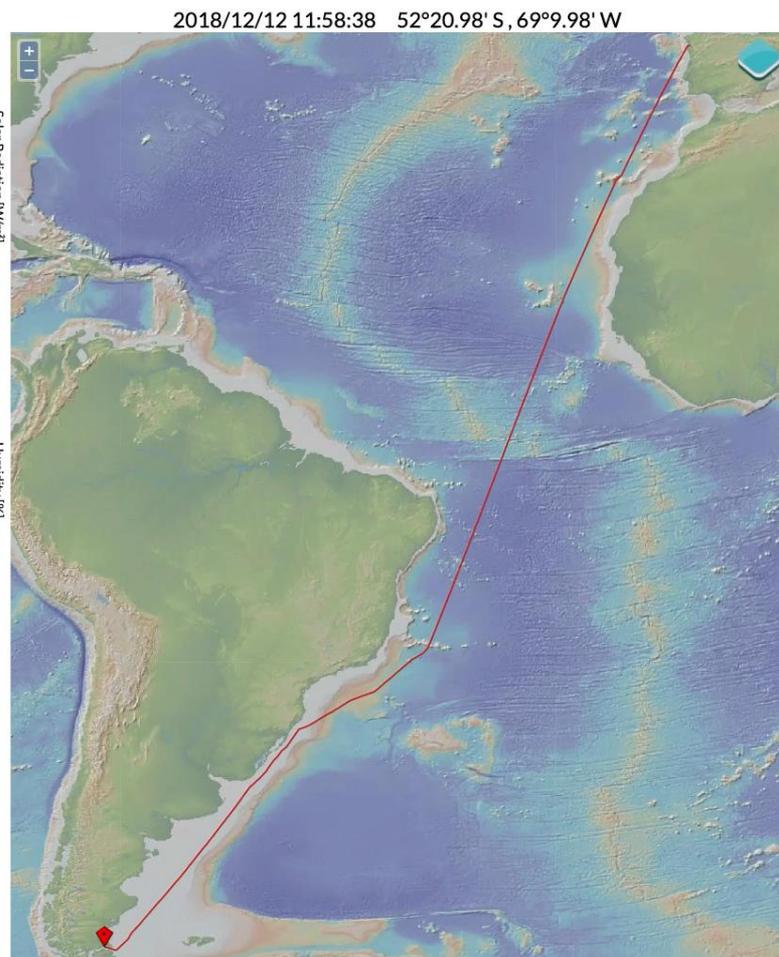
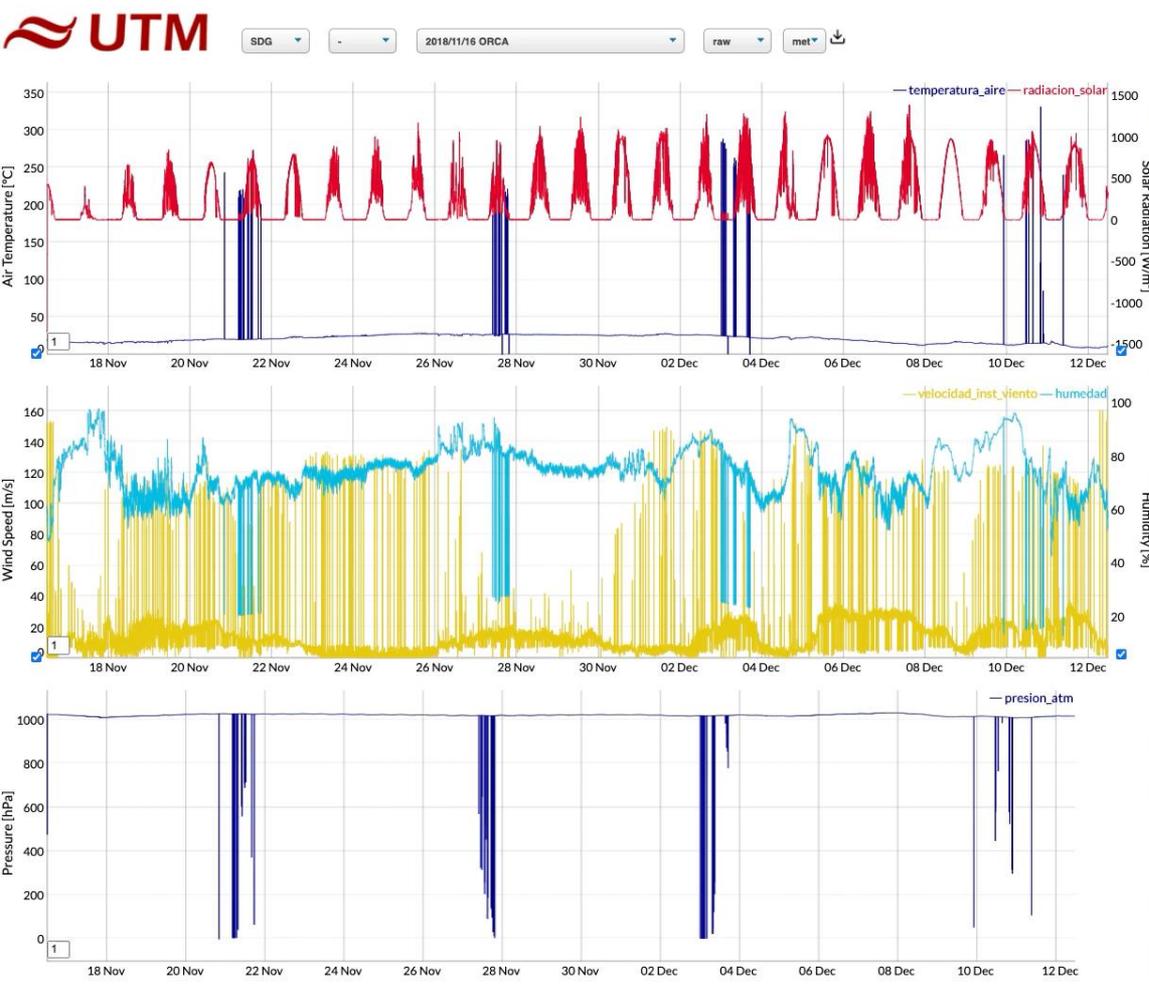


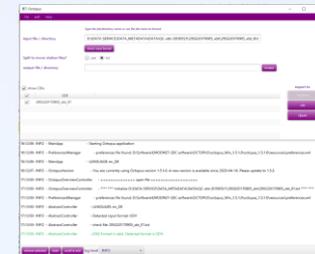
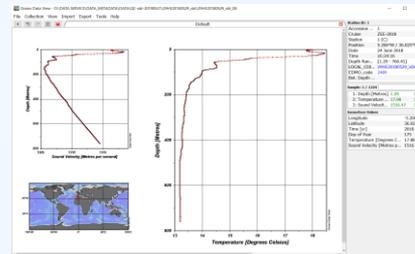
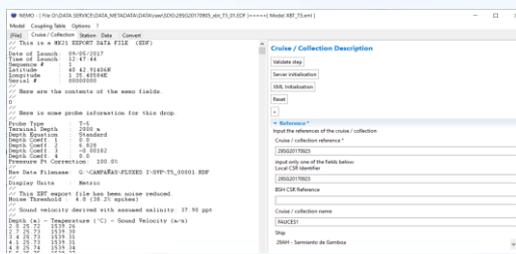
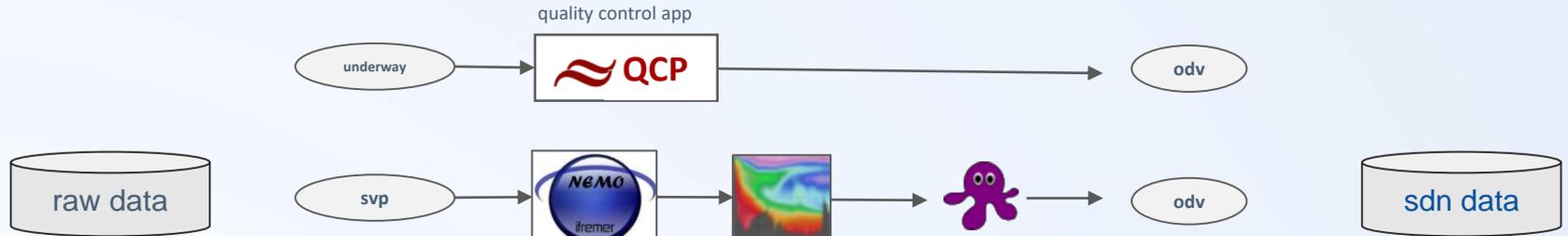


Data QC & Conversion



QCP







Influence of SDN

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

Bases – SDN concepts



NEW SEARCH REFINER SEARCH SEARCH RESULTS SUMMARY TIMESERIES

Filter search

You searched for: **MAFIA_ts** Spain 20150404 thermosalinographs

Point of contact: CSIC-UTM/ Marine Technology Unit

EXPORT RESULT SAVE QUERY

INPUT FIELDS

Free search

Date search

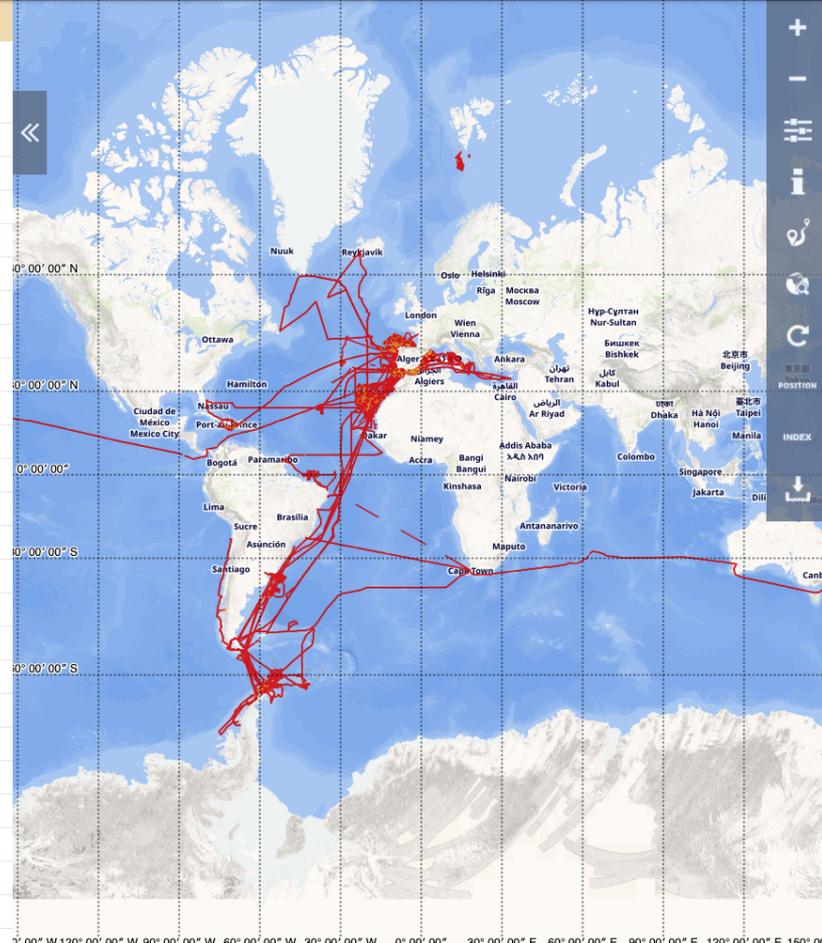
Geographic search

SEARCH RESULTS	SUMMARY	TIMESERIES
<input type="checkbox"/> MAFIA_ts	Spain	20150404 thermosalinographs
<input type="checkbox"/> TOPOMED-GASSIS_MB	Spain	20111001 multi-beam echosounders
<input type="checkbox"/> EVENT-SHELF_MB	Spain	20080906 multi-beam echosounders
<input type="checkbox"/> MELCOR_MB	Spain	20120528 multi-beam echosounders
<input type="checkbox"/> IMPULS_MB	Spain	20060516 multi-beam echosounders
<input type="checkbox"/> VID-1_ts	Spain	20120323 thermosalinographs
<input type="checkbox"/> ANTROMARE_ts	Spain	20120503 thermosalinographs
<input type="checkbox"/> NEMO_ts	Spain	20120511 thermosalinographs
<input type="checkbox"/> SUMMER-2_ts	Spain	20120522 thermosalinographs
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<input type="checkbox"/> FISHJELLY-II_LEG1_ts	Spain	20120619 thermosalinographs
<input type="checkbox"/> FISHJELLY-II_LEG2_ts	Spain	20120712 thermosalinographs
<input type="checkbox"/> IBEARIA-FORAMS_ts	Spain	20120910 thermosalinographs
<input type="checkbox"/> TOSCA_ts	Spain	20121025 thermosalinographs
<input type="checkbox"/> P3A2_ts	Spain	20081004 thermosalinographs
<input type="checkbox"/> SAGAS 08_ts	Spain	20091122 thermosalinographs
<input type="checkbox"/> ATOS-II_ts	Spain	20090124 thermosalinographs
<input type="checkbox"/> HUMBOLDT 2009_ts	Spain	20090305 thermosalinographs
<input type="checkbox"/> ZEE-2009_ts	Spain	20090805 thermosalinographs
<input type="checkbox"/> MARBANGA_ts	Spain	20090825 thermosalinographs
<input type="checkbox"/> HERMES_ts	Spain	20090915 thermosalinographs
<input type="checkbox"/> ORCA_ts	Spain	20091017 thermosalinographs
<input type="checkbox"/> COUPLING_ts	Spain	20100102 thermosalinographs
<input type="checkbox"/> ESSASI-10_ts	Spain	20100125 thermosalinographs
<input type="checkbox"/> MOC-AUSTRAL_ts	Spain	20100208 thermosalinographs

SEA REGIONS

DISCIPLINE (P08)

PARAMETER GROUP (P03)



EDMO	Country	total	total	total	total	total as distributor	Increase as distributor since the start	Increase as custodian since the start	% Increase as distributor since the start	Institute
2489	Spain	6	28	36	36	775	769	769	12817	UTM-CSIC



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

A photograph taken from the deck of a ship, looking out over the ocean at sunset. The sun is low on the horizon, creating a bright orange and yellow glow that reflects on the water's surface. The sky transitions from a deep blue at the top to a lighter orange near the horizon. The ship's railing and a yellow buoy are visible on the left side of the frame.

Thank you for your attention!