



# Report on the Joint Meeting MyO-SDN

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# SDN2-MyO2 Joint Meeting

- The objective was **to define MyO2-SDN2 interaction**
- How to elaborate jointly Regional T&S product for 25 years reanalysis planned in MyOcean2 and SDN2 aggregated products and define the interfaces between the two projects
- Define a common time schedule
- Define data flow and information exchanges
- QC strategies



# Time Schedule



## SDN2

## MyO2

Common specifications, selected parameters, definition of QC, aggregation and analysis procedures

SDN release of "raw" aggregated

Sept 2012

Dec 2012

Data from SDN2 have to be received (early enough to perform the scientific assessment on the T&S product and deliver in time to the modellers)

Apr 2013

First Version observation products have to be ready

Release of V1 AGGREGATED DATASET

Sept 2013

1° QC feedback to RCs  
MyO Alerts

QC feedback to NODCs and MyO + reply to MyO Alerts



# Time Schedule



**SDN2**

**MyO2**

**Apr 2014**

First feedback on the V1 AGGREGATED

**Joint Meeting on  
aggregation and QC  
procedures  
experience**

**Sept 2014**

Release of **examples of data product**: gridded fields or climatological profiles and relative std

END MyO

**V2 AGGREGATED DATASET**

The Final Version of aggregated data set exploits all QC joint experience and the SDN statistical products

**Sept 2015**

# QC strategy

NODCs  
QC of profiles  
through FLAGS

ANALYSIS CENTERS (ACs)  
QC of a pool of profiles

How do RCs feed back to NODCs?  
Effective feed back loop:  
1) between D10.1 and D10.2  
Alerts log MyO + ODV logs+ reply  
to MyO alerts  
2) between D10.2 and D10.4  
ODV logs + MyO alerts(?)

1. Duplicates
2. Outliers
3. Gross Range Check

**ODV**

+

Statistical Check

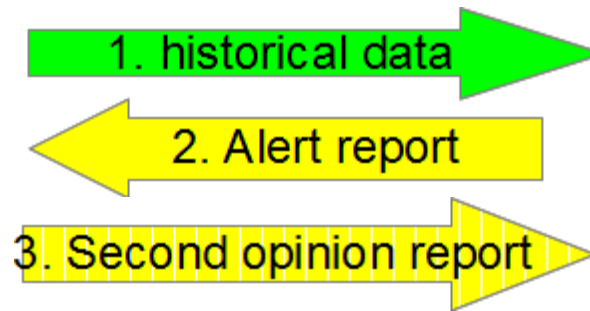
Report to describe the  
aggregated (checks and  
performed to produce it and  
statistics to describe it)

# Interfaces



- **What?**
- observation must have a **date**, a **location** and a level of **immersion** (pressure or depth)
- a set of observations belong to an unique platform
- each profile / time-serie must be identify with a unique SDN ID
- One observation available in different NODCs is provided once (the best quality)
- **How?**
- file format can be ODV or **netCDF** as long as the previous information are available (Distribution format close to MyOcean format is preferred)
- In the dataset a unique variable name should be used for Temperature (TEMP) and Salinity( PSAL) even if NODCs use different variable names
- The data are provided manually to MyO on FTP

# Feedback



- Report on anomalies from validation at MyO INS TAC regional centres will be sent to SDN RC
- After Analysis SeaDataNet RC will confirm or not the changes proposed by MyO

Date	02/05/2002 13:15:48
Station ID (SDN ID+New MyOcean ID)	2924240 ABC123
Parameter	TEMP
NODC	SISMER
Platform	FABB
Previous flag	1
Immersion	(153:158)
New flag (suggestion)	4
Precision about the type of alert	Duplicate with .../far from climatology/spikes

# UPDATE process



- SDN should provide to MyO an update dataset that contains the data
  - That are new
  - That have been modified
- SDN should inform
  - on what data were deleted
  - When the update was generated



# CONCLUSIONS

- The Meeting allowed to define the SDN2-MyO collaboration in terms of planning and interfaces
- MYO needs have been taken on board in SDN developments
- Share the work load on product and procedure validation
- The collaboration has been set up to last after the end of the two projects