

### Report of the Data Quality Working Group

### NCWG2, Monaco, 2016-04-26

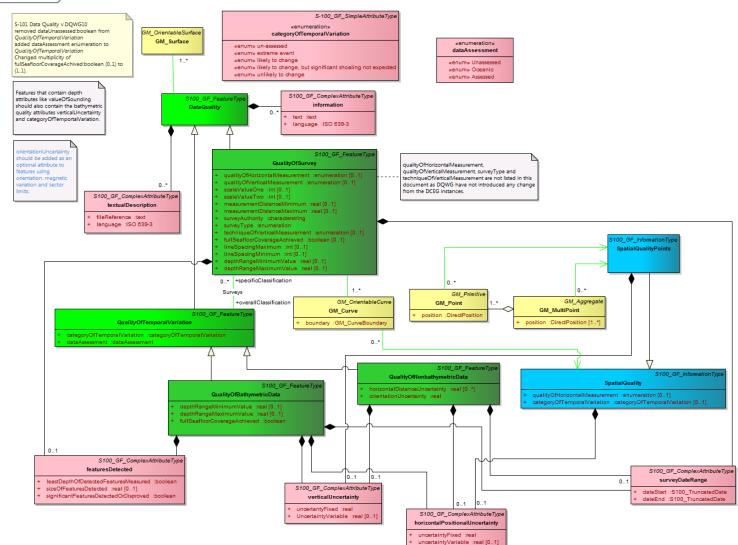
### Principal activities and achievements 2015

- Data model for DQ in S-101
  Hierarchy for composite QoBD attribute
- + CATZOC analysis



# Data Model (draft)

class Domain Model





# Hierarchy driving the portrayal of QoBD

Status of assessment	1.     Unassessed       2.     Oceanic       3.     Assessed
Temporal	1. Unassessed -> 5       1         2. Extreme event -> 5       2         3. Likely to change -> 5       2         4. Likely to change, but significant shoaling not expected -> 2 at best       3         5. Unlikely to change       5
Feature detected	1. True     2. False -> 3 at best
Completeness	true false 1. True 2. False -> 2 at best
Uncertainty thresholds	Thresholds are to determined at DQWG11

## **Identified S-57 CATZOC issues**

- + Temporal variation
- + Safe water because of depth
- Understanding of concept of quality
   All soundings are not created equal
- + Assessment
- + Portrayal



## Future work programme

- + SDB and CSB (quality issues, liaison)
- Road Map with timeline of DQ topics within S-1xx (liaison)
- + General DQ guidelines for products
- + Next meeting: May 10-12, Arlington (VA), USA



## Action requested of NCWG

- + note the report
- discuss data quality visualisation aspects generally and in particular in the case of bathymetric data
  - Composite attribute
  - Individual features
  - Future of source diagram (SDB, CSB)

 liaise with DQWG in all matters regarding data quality in IHO standards