

*2<sup>nd</sup> plenary meeting – Lucca – 27-28 September, 2013*



**SeaDataNet**

*PAN-EUROPEAN INFRASTRUCTURE  
FOR OCEAN & MARINE DATA  
MANAGEMENT*

## CONTROL OF ODV FORMAT (CDI files)

S. Gouzien, M. Fichaut

## ***Control of ODV format of CDI files***

- **WHY?**

### Preparation of SDN aggregated data sets

- Import phase of the ODV files → lots of warning and errors
- **HOW do we detect errors?**
  - ➔ ODV import show errors, warning
  - ➔ Reading of some files in order to find errors



- ***31 organisations, under 12 collating centres***
- ***14047 files with errors or/and warning***



Collating centre	Country	Nb files
<b>BODC</b> (British Oceanographic Data Centre)	U. K.	17
<b>BSH</b> (Federal Maritime and Hydrographic Agency)	Germany	4028
<b>IEO</b> (Spanish Oceanographic Institute)	Spanish	1
<b>IFREMER / IDM/SISMER</b>	France	12
<b>LHEI</b> (Latvian Institute of Aquatic Ecology)	Latvia	36
<b>MHI</b> (Marine Hydrophysical Institute)	Ukraine	644
<b>MI</b> (Marine Institute)	Ireland	3
<b>MUMM</b> (Belgian Marine Data Centre)	Belgium	4581
<b>NIMRD</b> (National Institute for Marine Research and Development)	Romania	4
<b>OGS</b> (Istituto Nazionale di Oceanografia e di Geofisica Sperimentale)	Italy	4525
<b>TSU-DNA</b> (Georgian Institute of Hydrometeorology of Georgian Technical University)	Georgia	196



## ***Type of errors :***

- Bad mapping between the column header and the SDN mapping line ( label different, bad label),
- Bad unity (e.g. PSAL = PSU instead of mg/l)
- No QC flag, bad default value, empty line
- Vertical profiles without depth in first column, or no sorted by increasing depth
- Station header repeated on all lines



## ***Status of corrections***

- 14047 corrected files = **100%**

### ***BUT***

- ***Others problems*** which are not detected by ODV loader but still have to be solved :
  - times series without sensor depth measurement

## *More controls*

- Non SeaDataNet (Geo-seas, UBSS) partners have also been contacted for data correction

<b>BSTU</b> (Karadeniz Technical University, Faculty of Marine Sciences)	Turkey	29
<b>NIMH-BAS</b> (Laboratory of Marine Ecology-Central Laboratory of General Ecology)	Bulgaria	1
<b>ONU</b> (Odessa National I.I.Mechnikov University)	Ukraine	25
<b>SNUFF</b> (Sinop University, Fisheries Faculty)	Turkey	126