

2nd training course – Ostende – 20-22 May, 2014



SeaDataNet

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

What's new in NEMO 1.5?



NEMO objectives and principles

- Reformat data files at any ASCII format to one of the SeaDataNet formats
- All input files (to be converted) must be homogeneous : same information at the same place in each file, measured parameters as column



NEMO current version is 1.5.3

- Can be downloaded from SeaDataNet Web site
http://www.seadatanet.org/standards_software/software/nemo
- Written in **Java** Language (Version \geq 1.6)
- Bilingual (French, English)
- Available under multiple environments :
 - Microsoft : Windows 2000, WINDOWS 7, XP, VISTA , APPLE
 - Unix - Solaris
 - Linux
- Interactive and batch modes available
- Use of **SeaDataNet common vocabularies** web services
 - to update lists of values of the SeaDataNet common vocabularies
 - need network connections in order to have up to date lists of values.
 - But NEMO works offline once the lists are up-to-date



NEMO main features

- Reformat ASCII text file of vertical profiles, time-series or trajectories to a SeaDataNet ASCII format (ODV, MEDATLAS).
- The input ASCII files can be:
 - *one file per station for vertical profiles or time series*
 - *one file for one cruise for vertical profiles, time series or trajectories*
- Interact with Mikado, to be able to generate ISO-19115 XML descriptions of the data.



NEMO principles

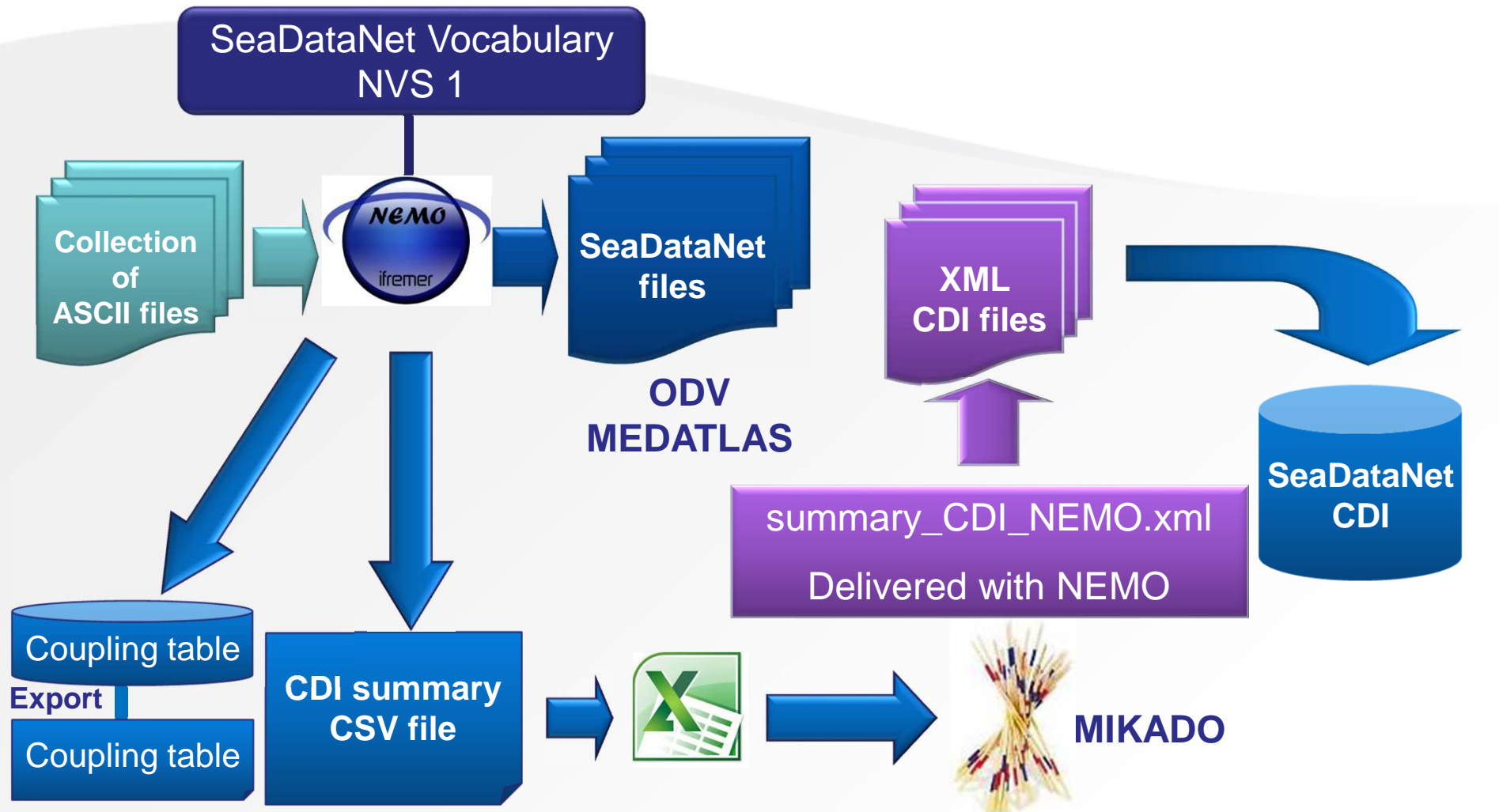
- NEMO able to read almost **any ASCII format** to translate it to SDN formats
- Users of NEMO describe the entry files format → NEMO able to find information necessary for SeaDataNet formats
- **Mandatory** pre-requirement : set of input files must be homogeneous
 - **be located at the same position** : same line in the file, same position on the line or same column if CSV format
 - **be in the same format**
 - *For example: for all the stations the latitude is*
 - *on line 3 on the station header,*
 - *from character 21 to character 27, or 3rd column in CSV*
 - *the format is +DD.ddd*



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What's new in NEMO 1.5?

- Migration to NVS 2.0 BODC vocabulary
- Change sea areas vocabulary list
 - From C16 to C19 (SeaVox Water bodies with spatial coverage) for MEDATLAS and NetCDF formats
- Reformatting to SDN NetCDF format
 - Vertical profiles, Time series, Trajectories
- Improvements
 - Possibility to reformat Above sea level measurements
 - Add format version in CDI-SUMMARY file



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