



SeaDataCloud

Status of SeaDataNet tools

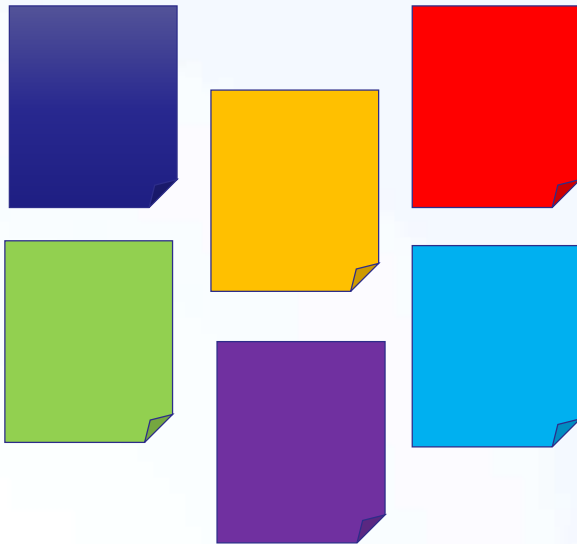
M. Fichaut (IFREMER)

Plenary meeting, Athens – Greece, 17-19 October 2017
sdn-userdesk@seadatanet.org – www.seadatanet.org

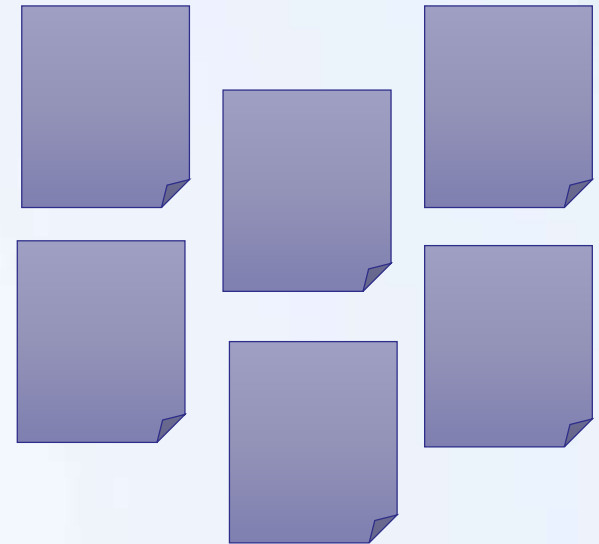
SeaDataNet tools

- **NEMO**: tool for data file conversions

Data files at any ASCII format



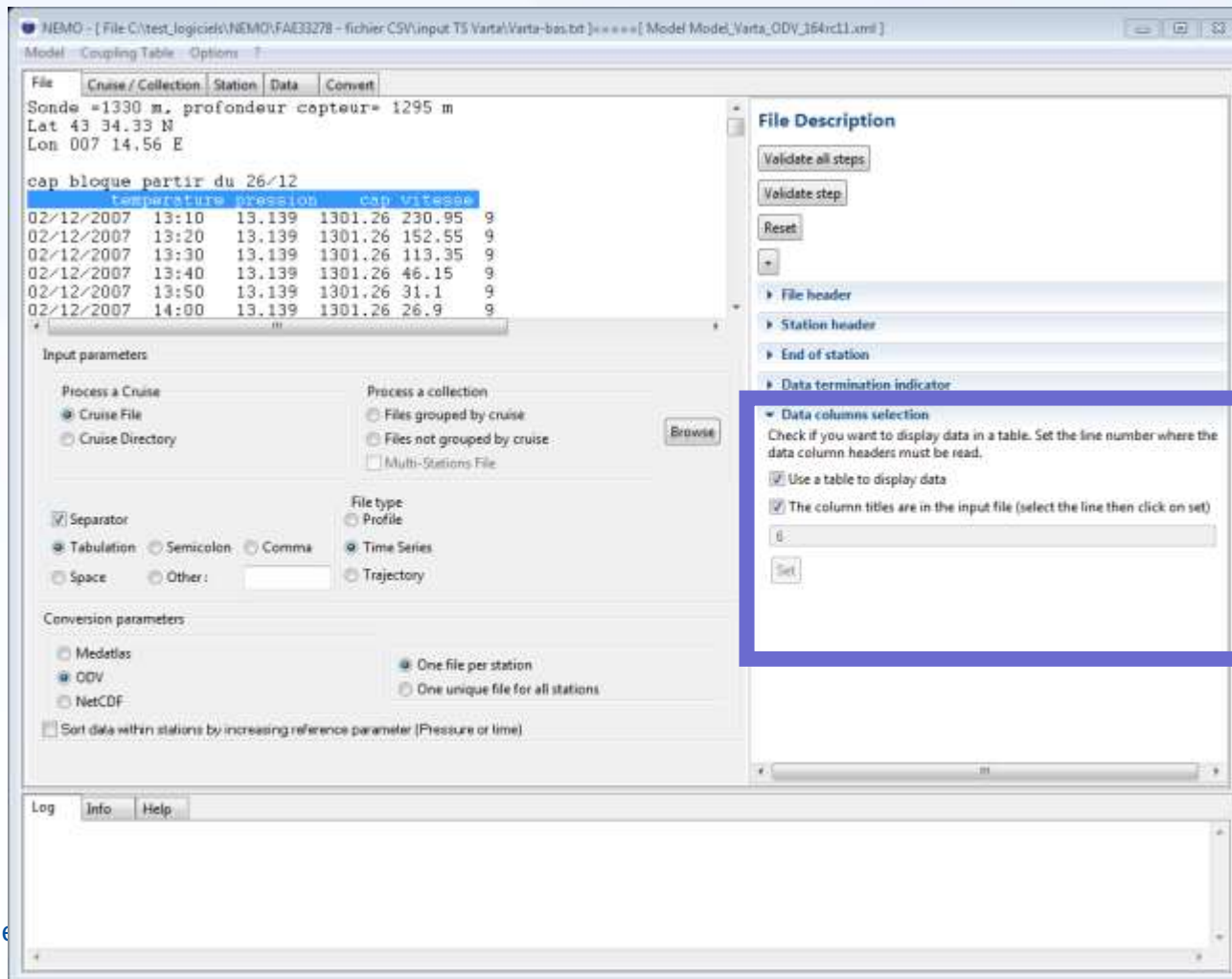
Data files at SeaDataNet format



NEMO last release

- NEMO 1.6.5 (29/09/2017)
- What's new
 - Easier management of input CSV files
 - Detection of deprecated parameters and automatic replacement in models of data files
- Bugs corrections

NEMO – management of CSV files



The screenshot shows the NEMO software interface with a CSV file preview and configuration options. The preview shows a table with columns for date, time, temperature, pressure, and speed. The configuration options include input parameters, file type, and conversion parameters.

File Description

- Validate all steps
- Validate step
- Reset
- File header
- Station header
- End of station
- Data termination indicator
- Data columns selection**
 - Check if you want to display data in a table. Set the line number where the data column headers must be read.
 - Use a table to display data
 - The column titles are in the input file (select the line then click on set)
 - 6
 - Set

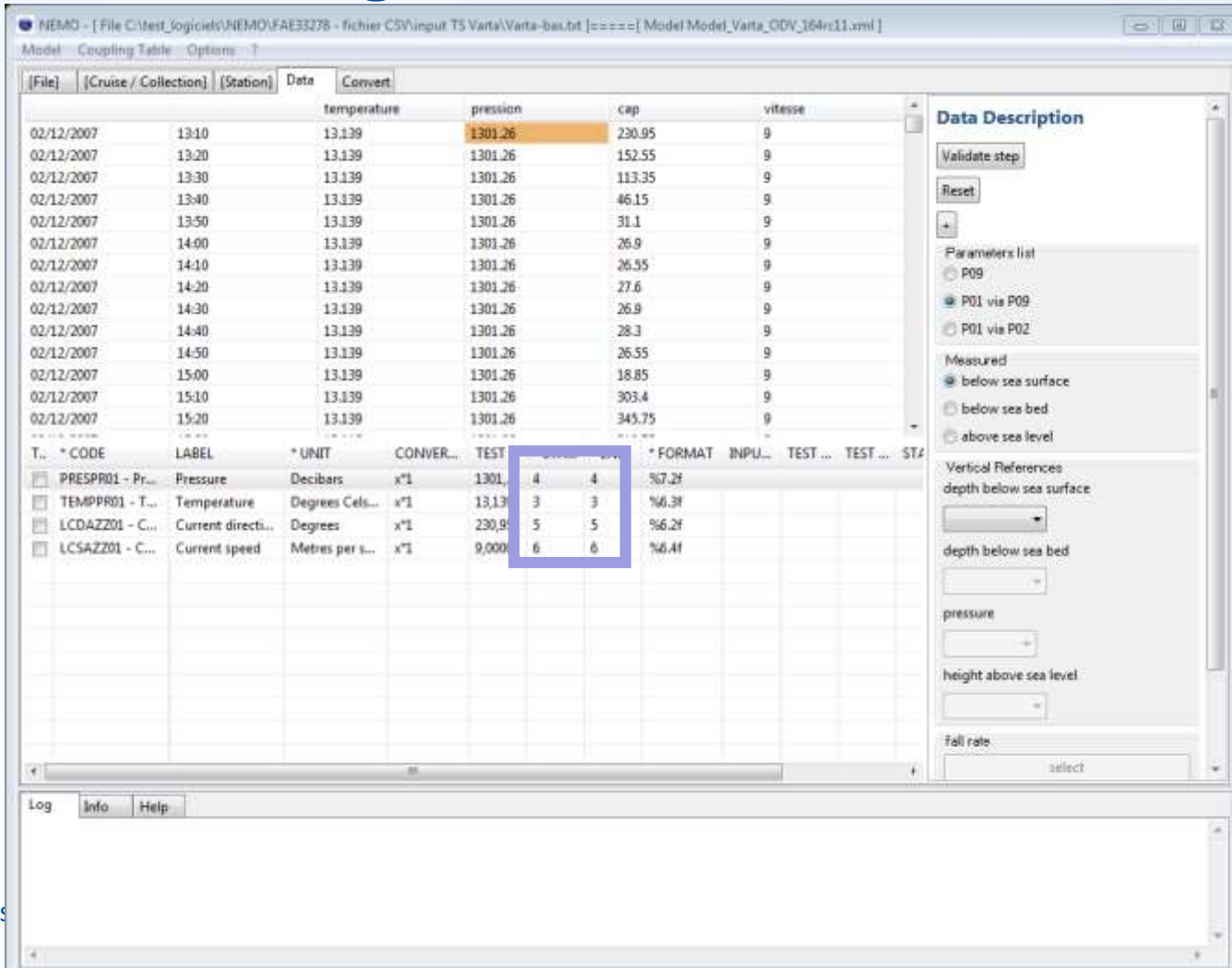
Input parameters

- Process a Cruise
 - Cruise File
 - Cruise Directory
- Process a collection
 - Files grouped by cruise
 - Files not grouped by cruise
 - Multi-Stations File
- File type
 - Profile
 - Time Series
 - Trajectory
- Separator
 - Tabulation
 - Semicolon
 - Comma
 - Space
 - Other:

Conversion parameters

- Medetlas
- ODV
- NetCDF
- One file per station
- One unique file for all stations
- Sort data within stations by increasing reference parameter (Pressure or line)

NEMO – management of CSV files



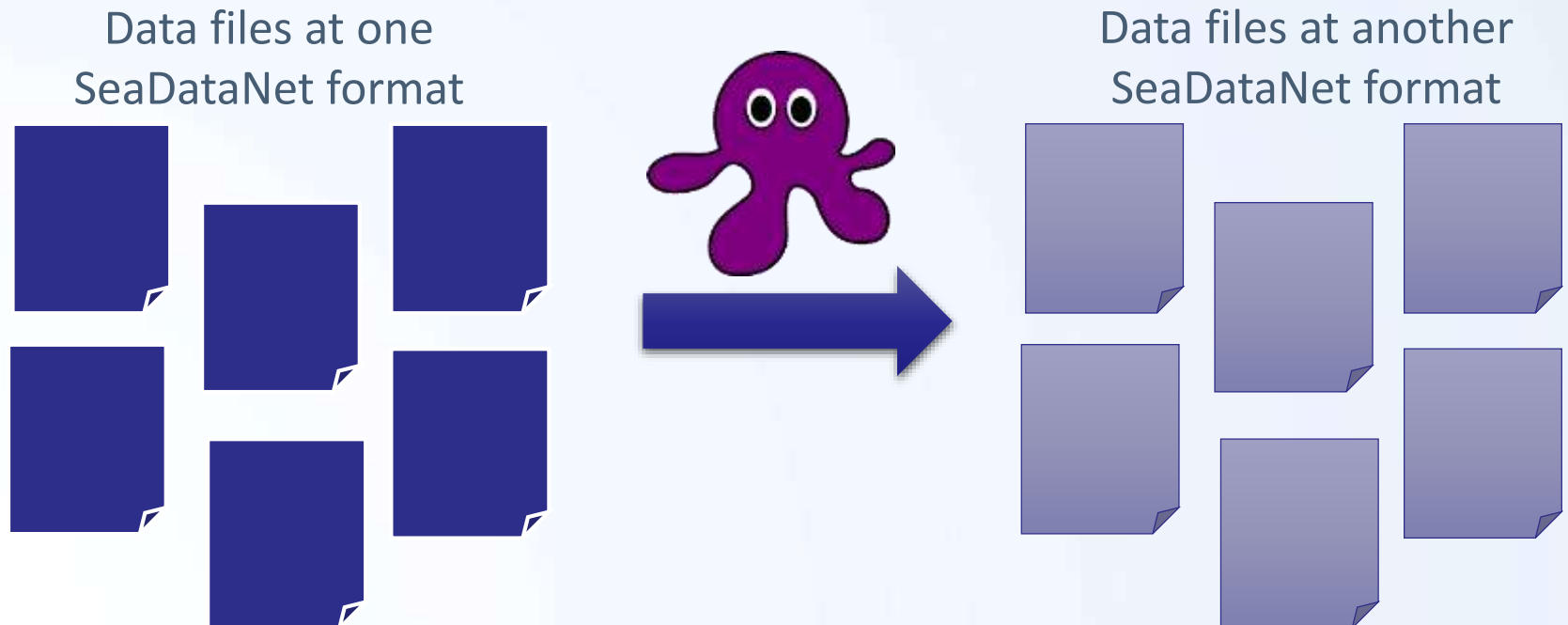
The screenshot shows the NEMO software interface. The main window displays a data table with columns for date, time, temperature, pressure, cap, and vitesse. The pressure column is highlighted in orange. Below the data table is a parameter configuration table with columns for CODE, LABEL, UNIT, CONVER..., TEST, and FORMAT. The TEST column contains values 4, 3, 5, and 6, which are highlighted in a blue box. To the right of the data table is a 'Data Description' panel with various options and buttons.

DATE	TIME	temperature	pression	cap	vitesse
02/12/2007	13:10	13.139	1301.26	230.95	9
02/12/2007	13:20	13.139	1301.26	152.55	9
02/12/2007	13:30	13.139	1301.26	113.35	9
02/12/2007	13:40	13.139	1301.26	46.15	9
02/12/2007	13:50	13.139	1301.26	31.1	9
02/12/2007	14:00	13.139	1301.26	26.9	9
02/12/2007	14:10	13.139	1301.26	26.55	9
02/12/2007	14:20	13.139	1301.26	27.6	9
02/12/2007	14:30	13.139	1301.26	26.9	9
02/12/2007	14:40	13.139	1301.26	28.3	9
02/12/2007	14:50	13.139	1301.26	26.55	9
02/12/2007	15:00	13.139	1301.26	18.85	9
02/12/2007	15:10	13.139	1301.26	303.4	9
02/12/2007	15:20	13.139	1301.26	345.75	9

T. CODE	LABEL	UNIT	CONVER...	TEST	FORMAT	INPLU...	TEST ...	TEST ...	STA
<input type="checkbox"/>	PRESPR01 - Pr...	Pressure	Decibars	x*1	1301.26	4	4	%7.2f	
<input type="checkbox"/>	TEMPPR01 - T...	Temperature	Degrees Cels...	x*1	13.139	3	3	%6.3f	
<input type="checkbox"/>	LCAZZ01 - C...	Current direct...	Degrees	x*1	230.95	5	5	%6.2f	
<input type="checkbox"/>	LCSAZZ01 - C...	Current speed	Metres per s...	x*1	9.0000	6	6	%6.4f	

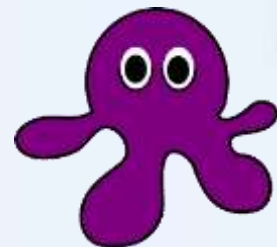
SeaDataNet tools

- **OCTOPUS**: for SeaDataNet data file checking, conversions and splitting



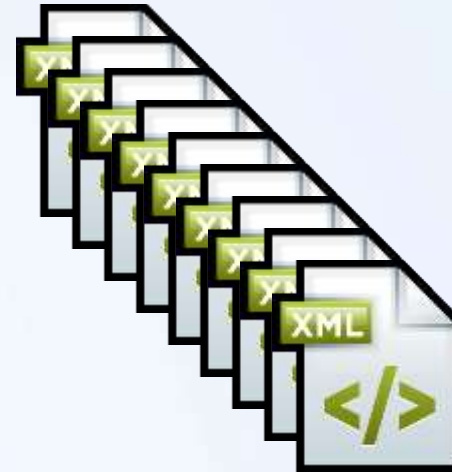
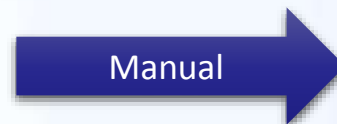
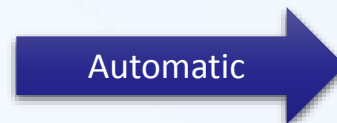
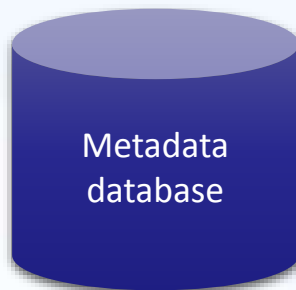
OCTOPUS

- OCTOPUS last release 1.3.9 (21/07/2017)
 - What's new?
 - More checks of ODV files and improvement of error and warning messages
 - Detection of deprecated parameters and automatic replacement when converting
 - Bugs corrections
- To come
 - Checks of netCDF SeaDataNet format
 - Checks of ODV biological format



SeaDataNet tools

- **MIKADO**: Generation of standardised metadata XML descriptions for SeaDataNet catalogues



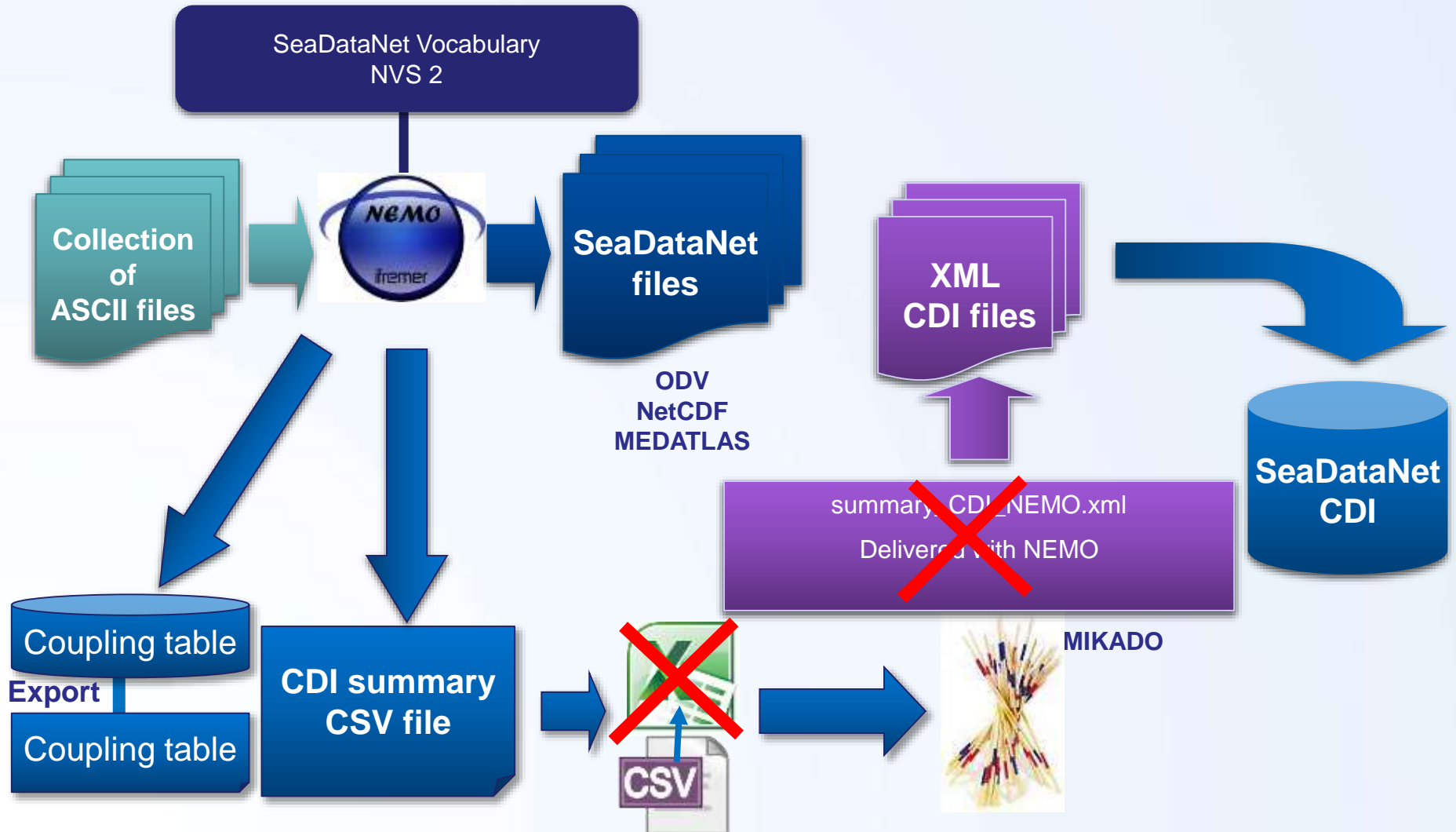
ISO-19139 / ISO 19115
Metadata descriptions



MIKADO last release

- MIKADO 3.4 (10/10/2017)
- What's new?
 - Upgraded versions of all JDBC drivers
 - Suppression of EXCEL JDBC driver
 - a new JDBC driver added to configure CSV file
 - Automatic configuration for CDI summary file of NEMO





SeaDataNet tools

- **Download Manager (DM):** Downloading of data from the SeaDataNet data centres
- Last release 1.4.7 (13/10/2017)
- What's new?
 - Compatibility Java8/Tomcat8
 - Deprecated vocab terms automatically replaced
 - Java version and Tomcat Server Info added in servlet log for easier assistance
 - Simpler and shorter Installation manual
 - CAS library update from 2.0.11 to 2.1.1
 - LOG4J library update from log4j1 to log4j2
 - AXIS library update from 1.4 to 1.7.4

Thank you for your attention

