Ocean Data View Developments for SDN

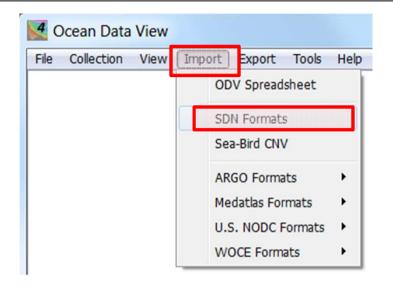


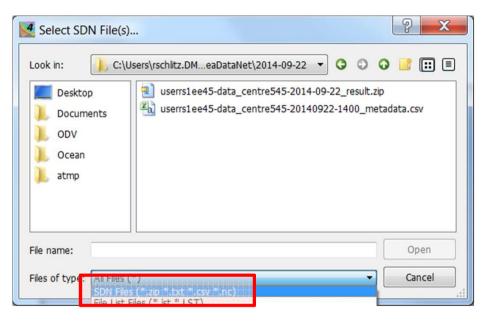
Reiner Schlitzer

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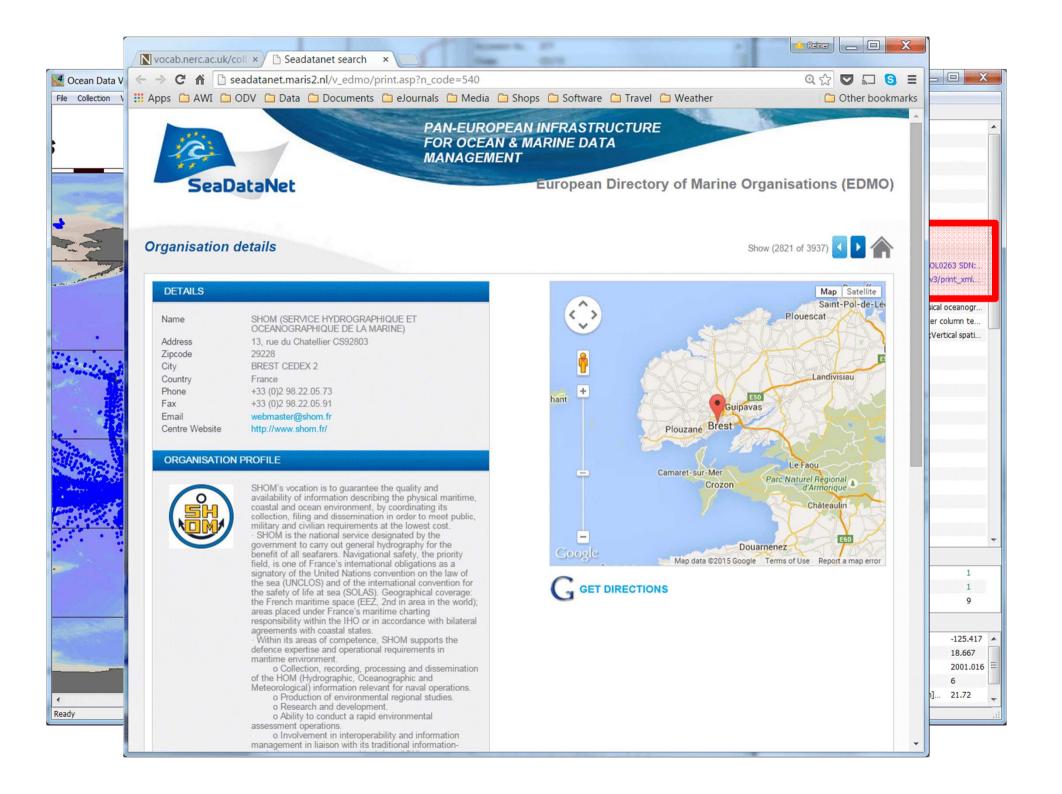
- 1. Automatic/Manual QC
- 2. SDN File Aggregation
- 3. P35 Parameter Aggregation
- 4. ODV API

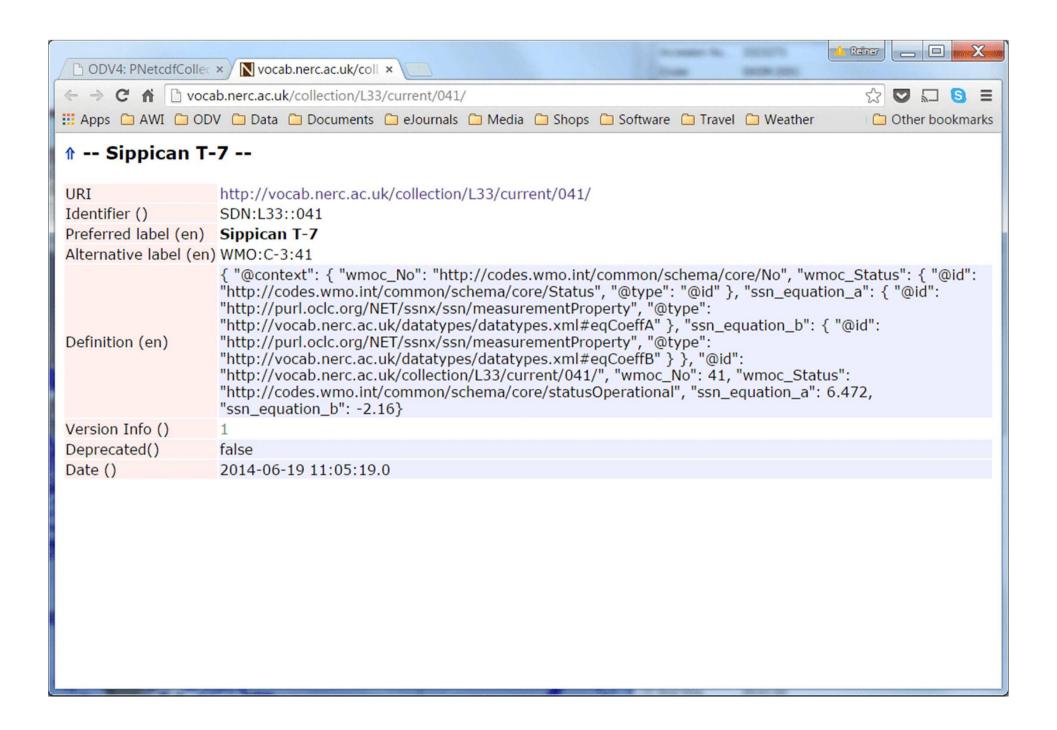
SDN File Aggregation

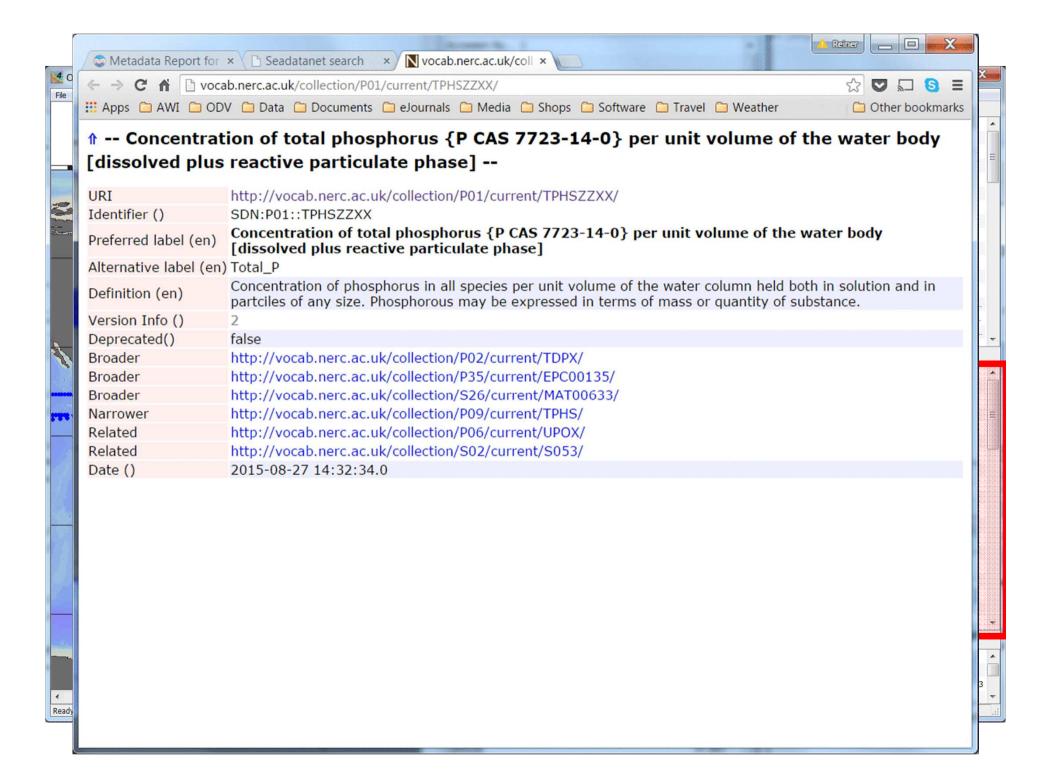




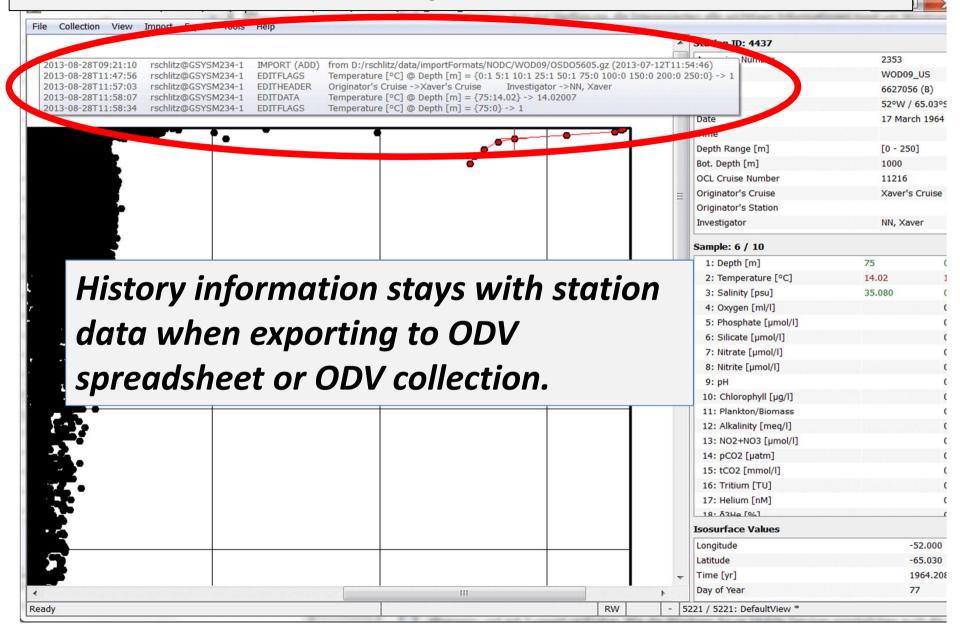
- Metadata enrichment (imports all CDI fields provided via csv files)
- Imports instrument code and fall-rate information from data files
- Supports SDN netCDF files in addition to SDN/ODV txt files
- New 64-bit ODV allows import of all SDN data files in one go



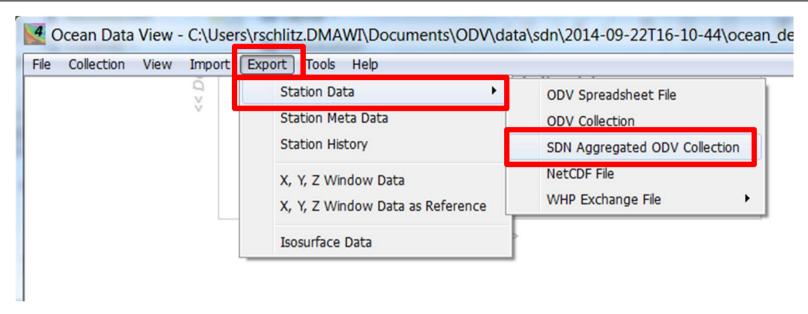




Per-Station Data History



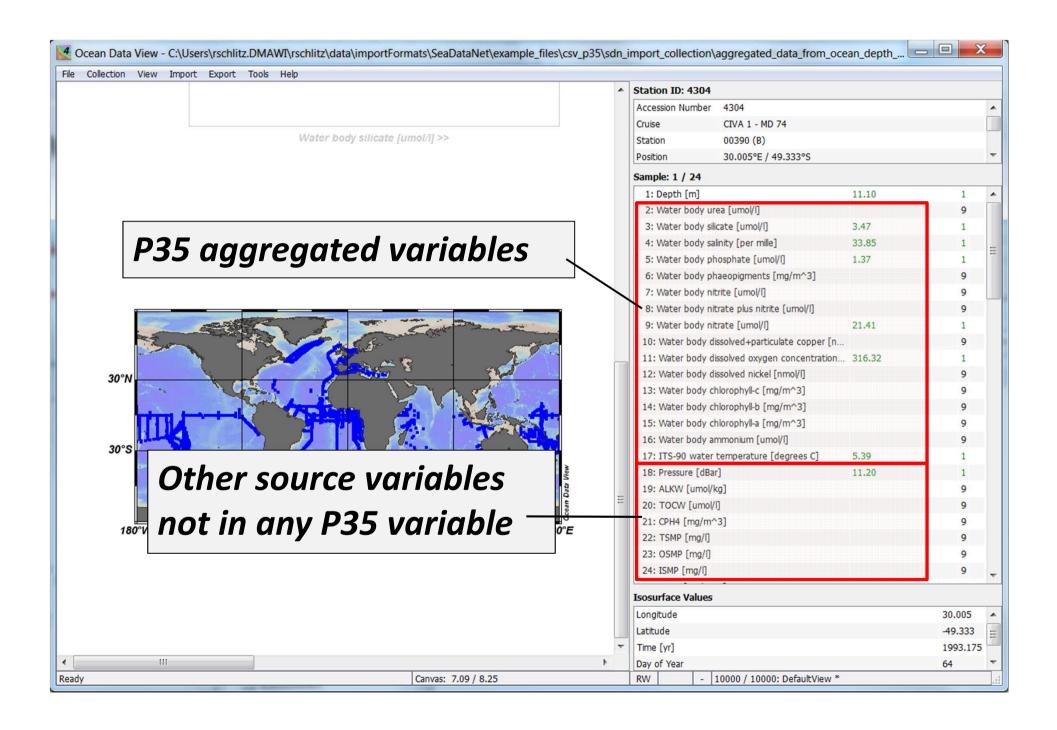
P35 Parameter Aggregation



Source ODV collection must have been produced via

- option Import > SDN Formats
- using ODV 4.6.3 or later

Up-to-date P35 vocabulary and unit conversion list automatically downloaded when aggregation is started.



P35 Aggregation Rules

P35 aggregated variables use SDN quality flags

If a given file only contains data for one contributing variable (e.g., DOXYZZ01):

data value and quality flag are used as given (covers >95% of cases)

If a given file contains data for more than one contributing variable:

- median of contributing data values is used
- quality flag inheritence (poorest quality contributor rule)

ODV API

- released Sep 2013
- used by IFREMER OCEANOTRON to serve data in ODV collections over the Internet
- addition of create/write/update functionality underway