SeaDataNet

NEMO 2.0 – New functions of the data file converter to SeaDataNet formats

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EMODnet Ingestion3 annual meeting, 12-13 april 2023, Larnaka, Cyprus

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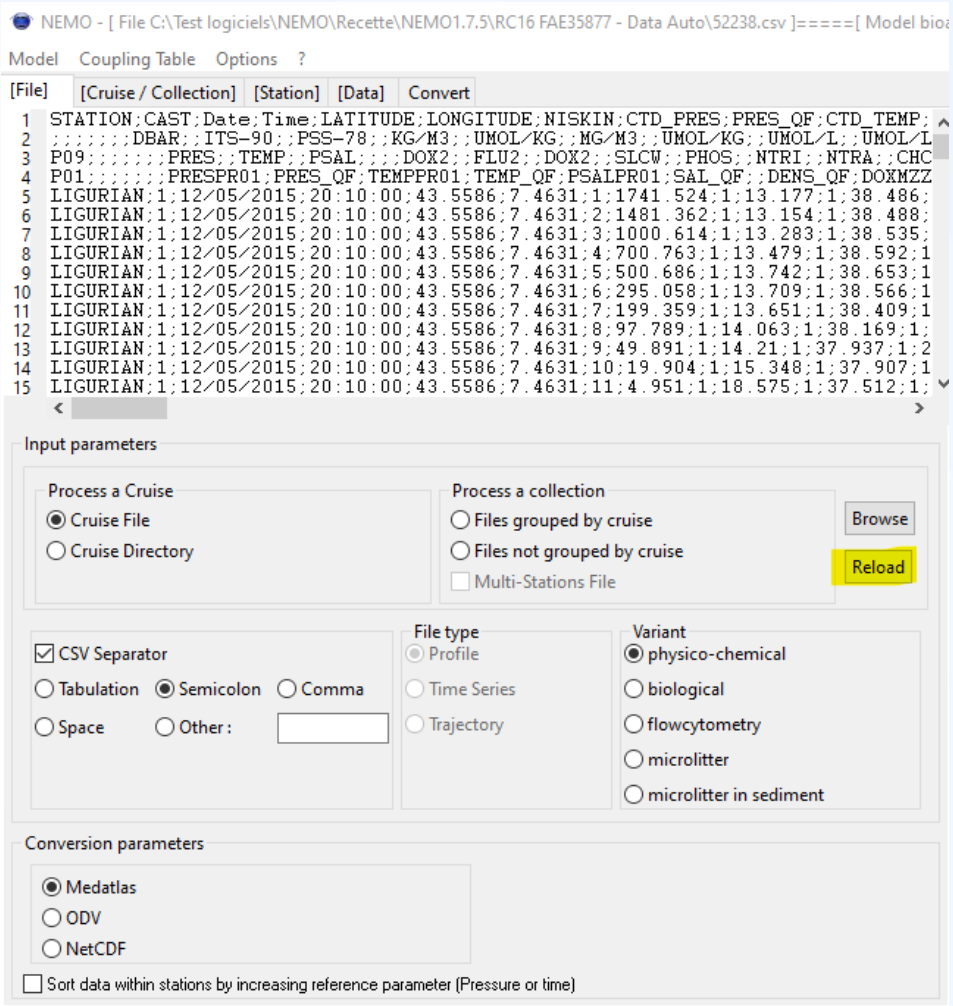
NEMO 2.0 main objectives

- Make life easier for user by
  - Giving the possibility to **group actions** in the Data tab
  - **Automating the filling** of the Data tab where possible
  - Create clear **different process** for CSV files with separators and TEXT files without separators.
- Increase the amount of metadata in the CDI-Summary file
- Assist the user in the wrnting of batch commands

General changes

- **Help** tab at the bottom of the main screen removed
  - Replaced by access to the user manual in the '?'
- Menu **Right-click** search function removed
  - Replaced by a Search window for fields with a list of values
- Use of mouse wheel no longer results in changing values in already entered fields (like in Station tab for example)
- Display of line numbers in input file preview (except data tab if CSV file)

Changes on the **File tab** (1)

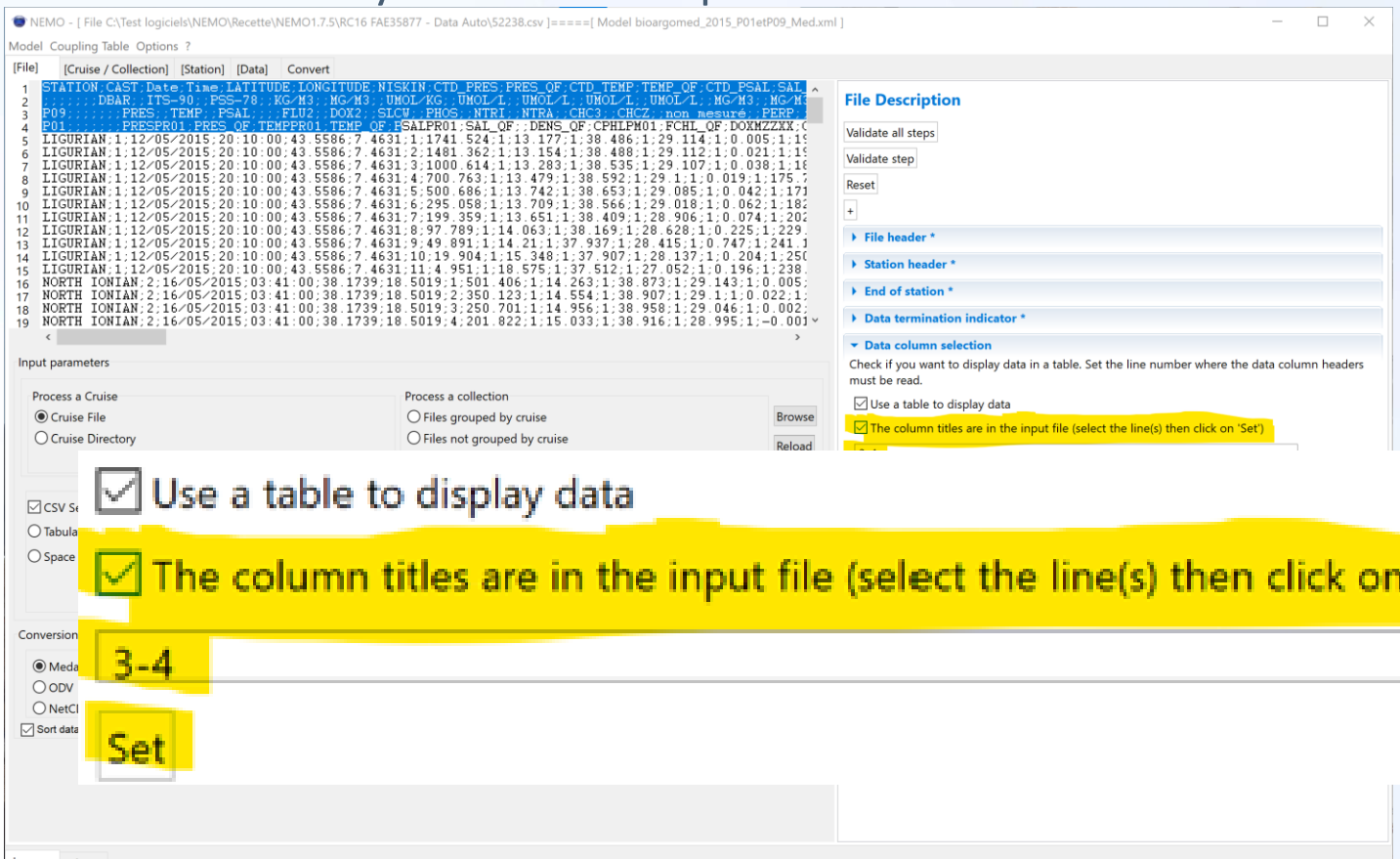


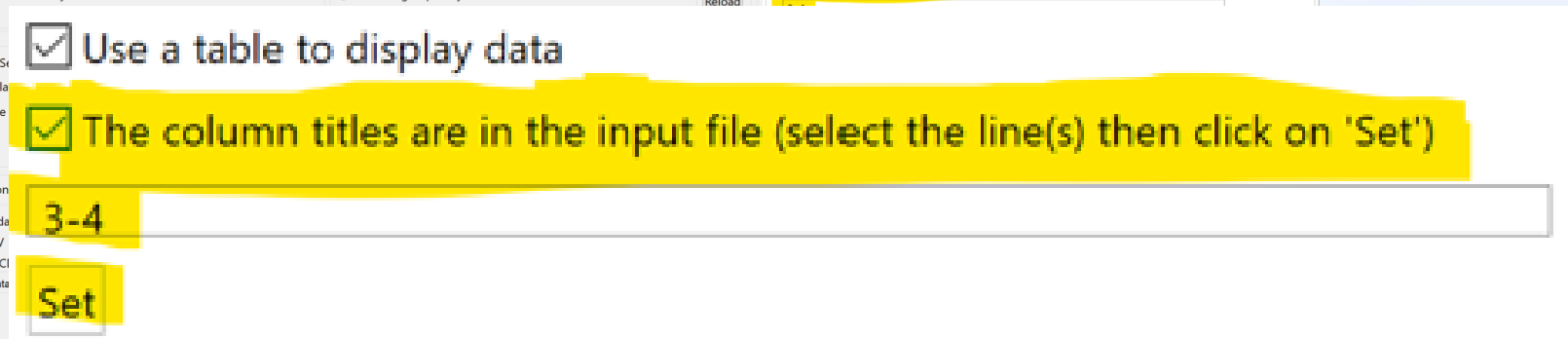
Reload button added:

- Allows to reload the file after modifications without changing the template and without resetting all

Changes on the **File tab** (2)

- Changes in Data column selection for CSV files
  - Ability to enter multiple rows



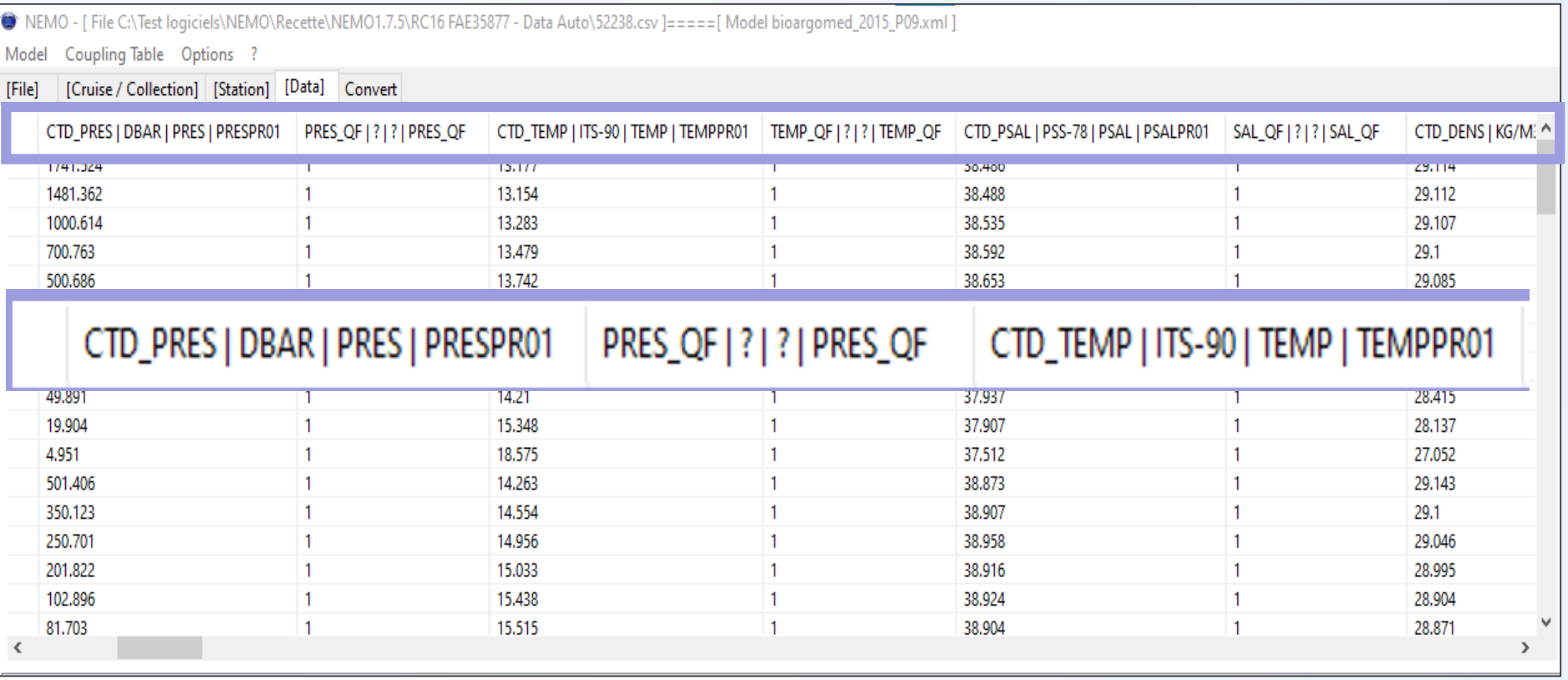


Goal

See more info in the data tab, in the column headings

Changes on the **File tab** (3)

- Changes in Data column selection for CSV files
  - *allows for example to display the units if available in the input file*

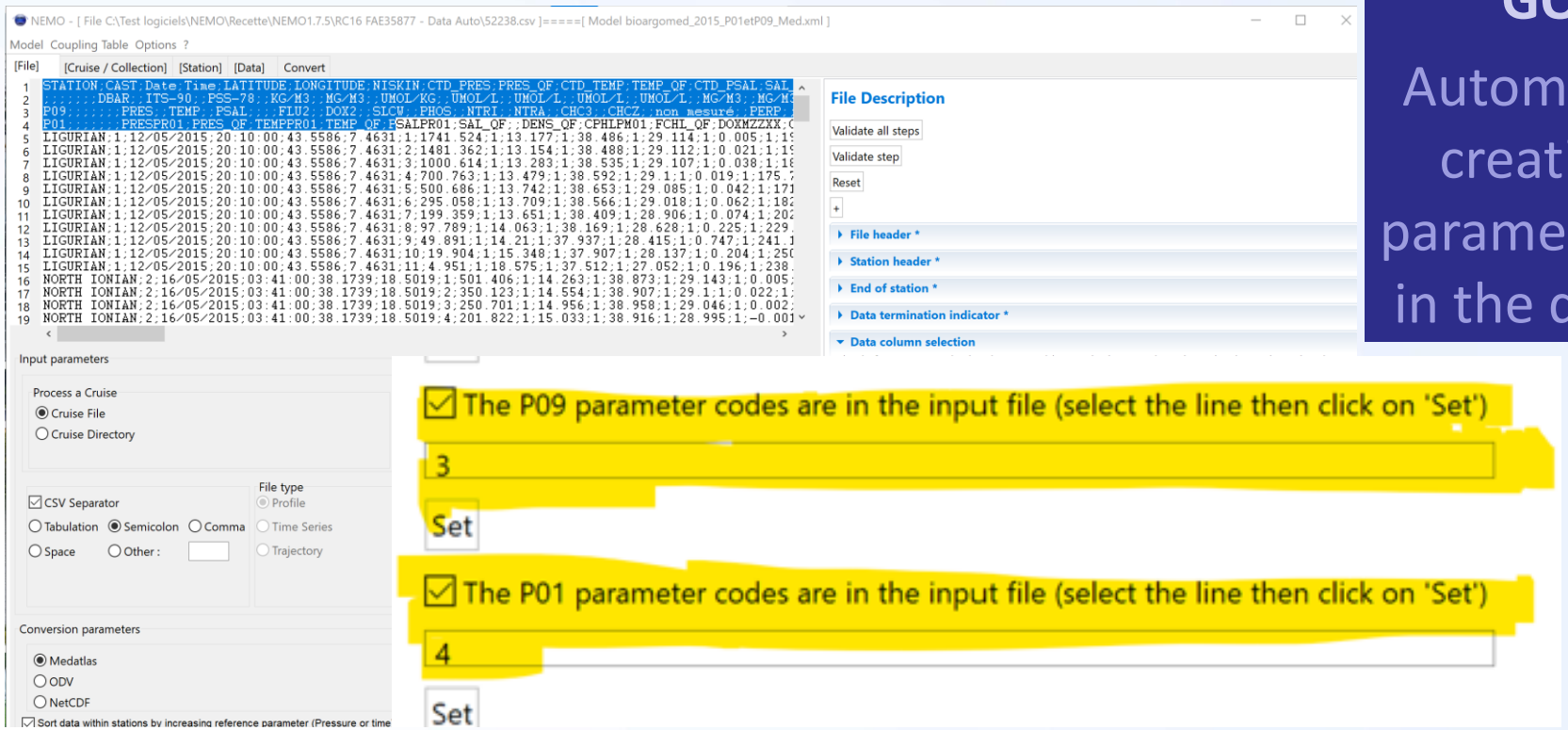


Changes on the **File tab** (4)

- New field in **Data column selection** for CSV files
  - Allows you to describe a row containing the parameter codes P01 or P09:

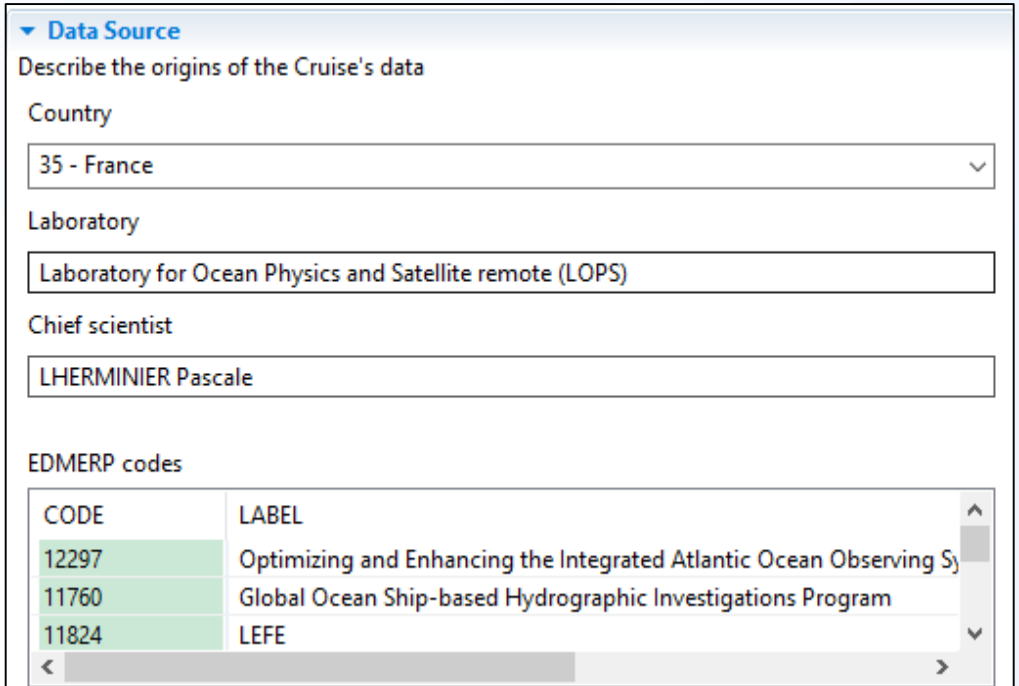
GOAL

Automate the creation of parameter lines in the data tab



Changes on **Cruise tab** (1)

- Changes in Data source
  - Use of EDMERP codes of projects instead of free text label, several projects possible, loaded by XML initialisation or manual input - Possibility to add or remove projects



GOAL

Increase data FAIRness by adding metadata

Changes on the **Cruise tab** (2)

- Added as sdn_references in the output file:

  *<sdn_reference xlink:href="https://edmerp.seadatanet.org/report/**12297**" xlink:role="isObservedBy" xlink:type="**SDN:L23::EDMERP**"/>*

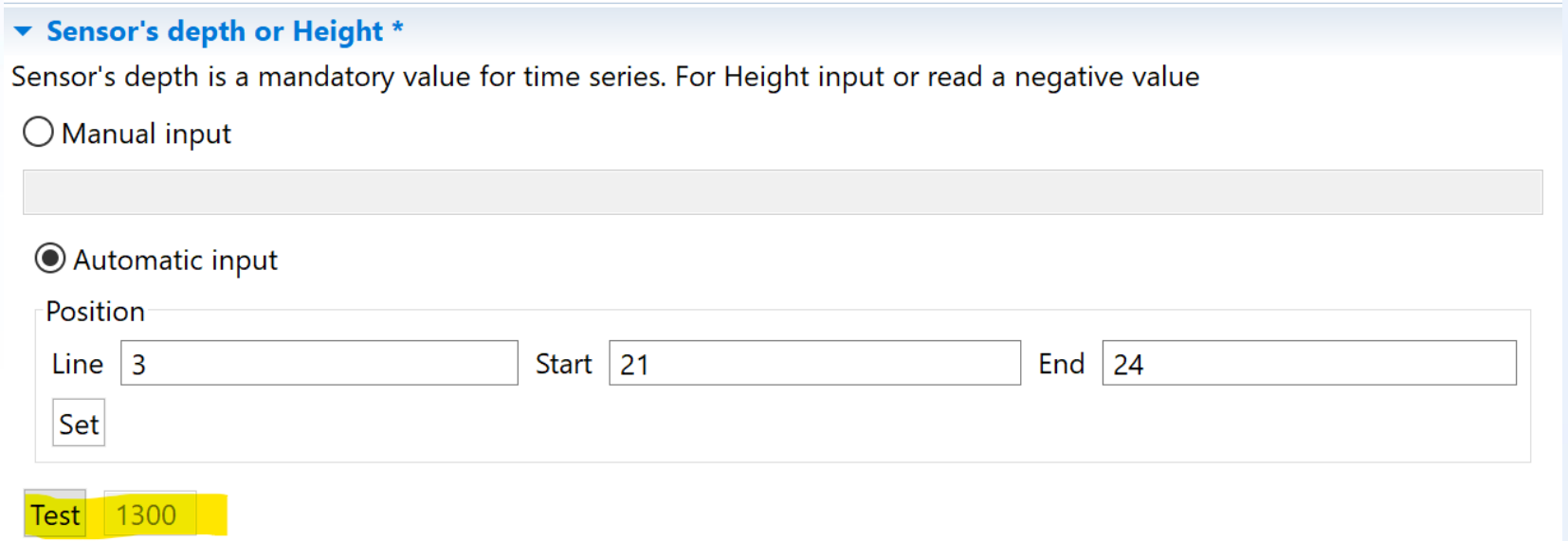
  *<sdn_reference xlink:href="https://edmerp.seadatanet.org/report/**11760**" xlink:role="isObservedBy" xlink:type="**SDN:L23::EDMERP**"/>*

- In the MedAtlas format, list of project codes (4 maximum, even if more in the cruise)

```
*FI35201805100 OVIDE 2018                              35HT Thalassa
11/06/2018-15/07/2018 North Atlantic Ocean
35 Laboratory for Ocean Physics and Satellite remote (LOPS)
LHERMINIER Pascale                          Project=12297;11760;11824;12222
Regional Archiving= FI                      Availability=L
Data Type=D71 n=30   QC=N
Data Type=H09 n=2220 QC=N
Data Type=H10 n=104  QC=N
Data Type=H21 n=2220 QC=N
Data Type=H22 n=2215 QC=N
Data Type=H24 n=2215 QC=N
```

Changes on the **Station tab**

- Station comment field increased to 1000 characters instead of 500
- Addition of test field for the Sensor Depth field



Changes on the **Data tab**

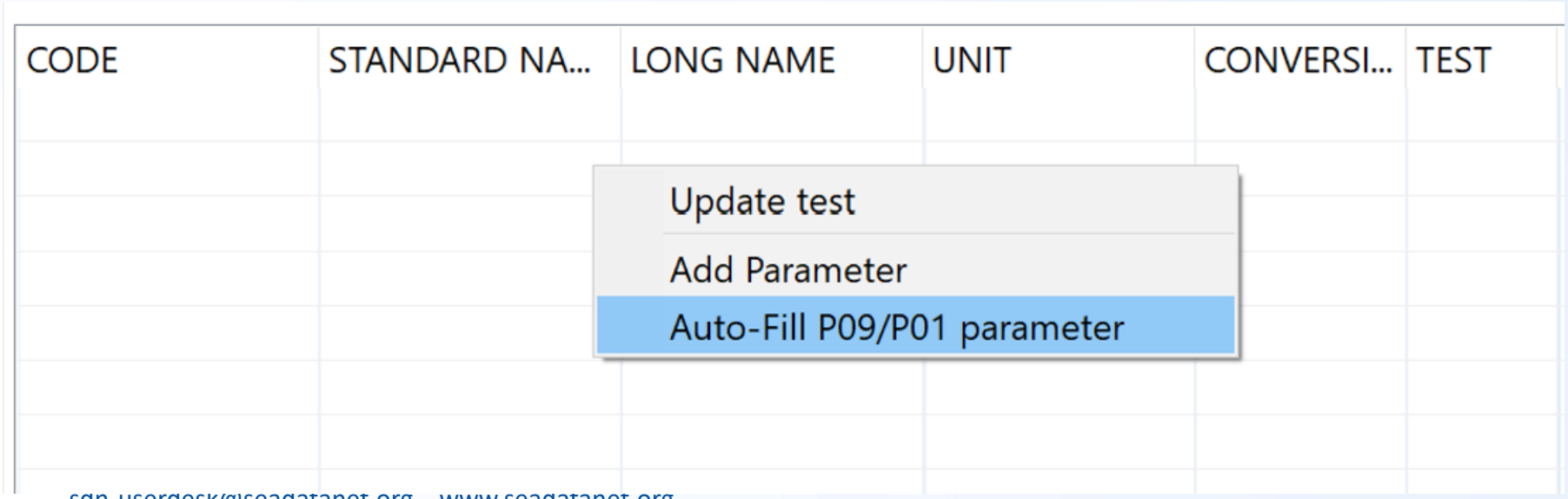
GOAL

Ease user life

- "Drag and drop" possible to move parameters in the list
- Multi-lines selection possible: to set the same instrument, the same unit, the same format, the same default value…. to several parameters in a single action
- Possibility to automatically fill the parameter table under certain conditions
- Possibility to automatically fill the parameter and flag positions under certain conditions

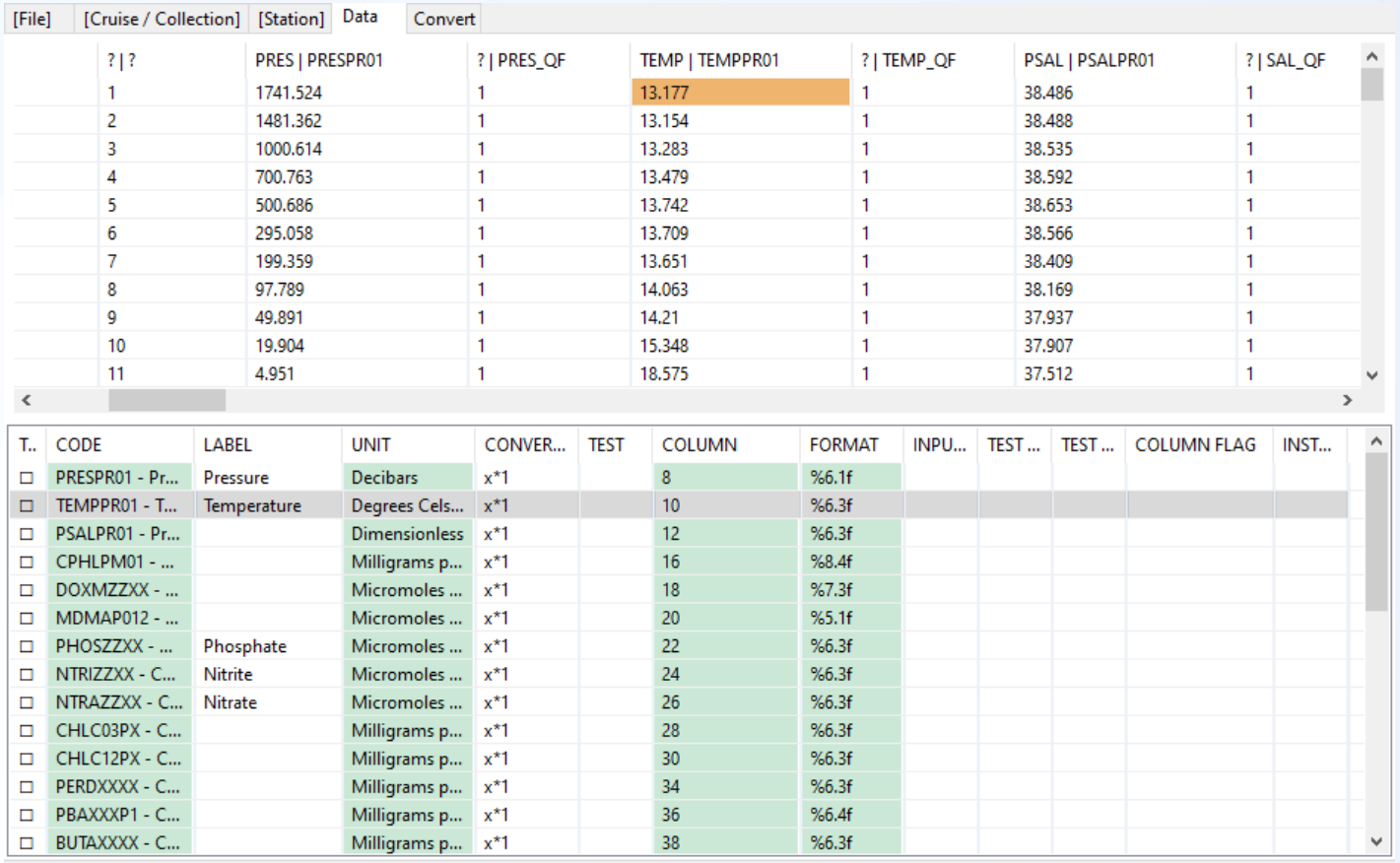
Automatic fill in of the parameter table (1)

- Only possible for
  - CSV files containing P09 or P01 parameter codes
  - If the line containing these codes has been filled in the File tab
- When these conditions are met a new "Auto-fill" menu is available in the data tab Menu



Automatic fill in of the parameter table (2)

- A click on the menu and the table of parameters is filled, it remains to check or add the formats and add if necessary the default values, the flags in input and the instruments used



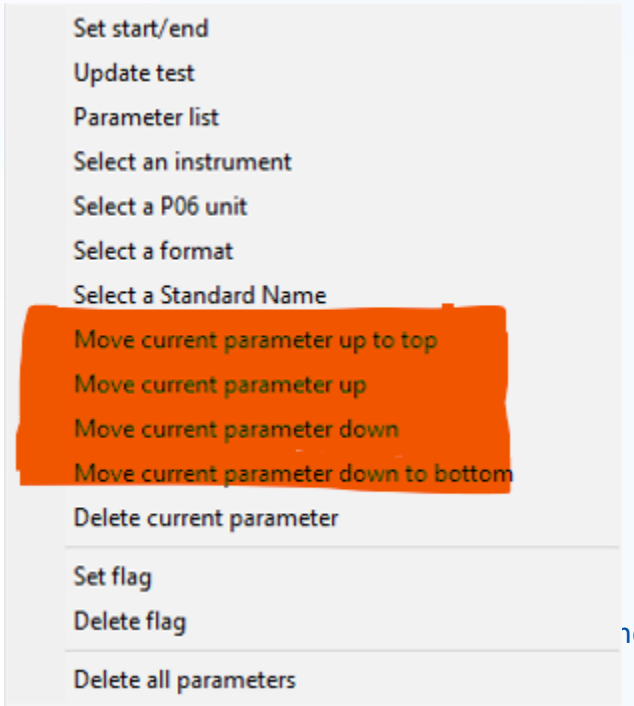
[File] [Cruise / Collection] [Station] Data Convert

? | ?	PRES | PRESPR01	? | PRES_QF	TEMP | TEMPPR01	? | TEMP_QF	PSAL | PSALPR01	? | SAL_QF
1	1741.524	1	13.177	1	38.486	1
2	1481.362	1	13.154	1	38.488	1
3	1000.614	1	13.283	1	38.535	1
4	700.763	1	13.479	1	38.592	1
5	500.686	1	13.742	1	38.653	1
6	295.058	1	13.709	1	38.566	1
7	199.359	1	13.651	1	38.409	1
8	97.789	1	14.063	1	38.169	1
9	49.891	1	14.21	1	37.937	1
10	19.904	1	15.348	1	37.907	1
11	4.951	1	18.575	1	37.512	1

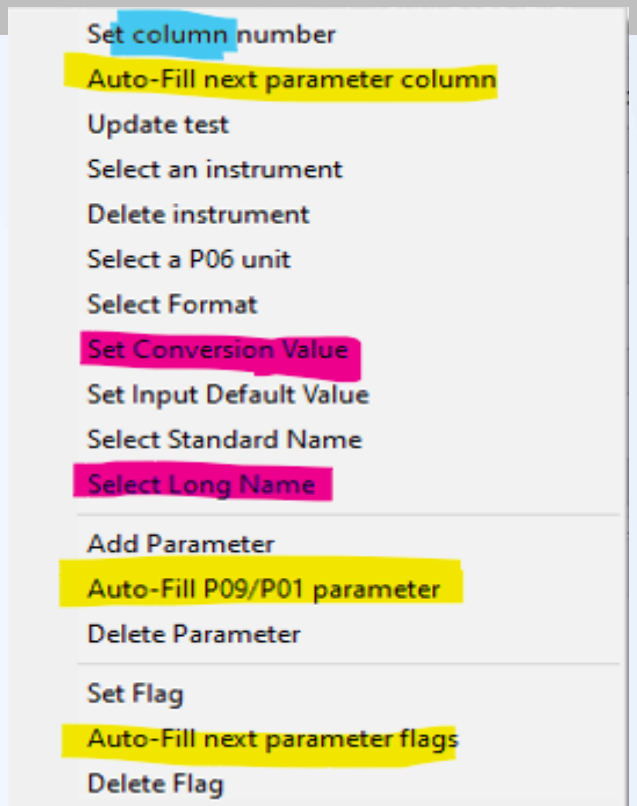
T..	CODE	LABEL	UNIT	CONVER...	TEST	COLUMN	FORMAT	INPU...	TEST ...	TEST ...	COLUMN FLAG	INST...
☐	PRESPR01 - Pr...	Pressure	Decibars	x*1		8	%6.1f					
☐	TEMPPR01 - T...	Temperature	Degrees Cels...	x*1		10	%6.3f					
☐	PSALPR01 - Pr...		Dimensionless	x*1		12	%6.3f					
☐	CPHLPM01 - ...		Milligrams p...	x*1		16	%8.4f					
☐	DOXMZZXX - ...		Micromoles ...	x*1		18	%7.3f					
☐	MDMAP012 - ...		Micromoles ...	x*1		20	%5.1f					
☐	PHOSZZXX - ...	Phosphate	Micromoles ...	x*1		22	%6.3f					
☐	NTRIZZXX - C...	Nitrite	Micromoles ...	x*1		24	%6.3f					
☐	NTRAZZXX - C...	Nitrate	Micromoles ...	x*1		26	%6.3f					
☐	CHLC03PX - C...		Milligrams p...	x*1		28	%6.3f					
☐	CHLC12PX - C...		Milligrams p...	x*1		30	%6.3f					
☐	PERDXXXX - C...		Milligrams p...	x*1		34	%6.3f					
☐	PBAXXXP1 - C...		Milligrams p...	x*1		36	%6.4f					
☐	BUTAXXXX - C...		Milligrams p...	x*1		38	%6.3f					

Changes in the data table menu

- suppressed because replaced by par drag and drop
- new Autofill functions
- new for multiple lines selections
- Set column number or set start/end



Replaced by



Auto-fill next parameter positions (1)

- Possible only for
  - CSV files
  - If the list of parameters entered in the data table is in the same order as in the data file
  - When the position of the 1st parameter has already been entered

Auto-fill next parameter positions (2)

DEPH	QC DEPH	PHOS	QC PHOS	NTRA	QC NTRA	NTRI	QC NTRI	SLCA
50.22842437	1	1.940000057	1	9.199999809	1	0.50999999	1	10.94999981
30.51284566	1	1.099999905	1	11.14999961	1	0.75	1	14.88000011
35.72762308	1	0.939999998	1	16.18000031	1	1.360000014	1	9.970000167
30.4652134	1	1.419999957	1	11.07999991	1	1.350000014	1	14.35000038
35.50028544	1	1.870000005	1	7.309999943	1	1.039999961	1	16.5
29.20029348	1	1.5	1	8.340000153	1	0.980000019	1	18.94000053
32.96240385	1	0.610000014	1	6.539999961	1	0.49000001	1	4.130000019
31.35534483	1	0.370000005	1	6.53000011	1	0.519999981	1	3.809999943
35.21355769	1	1.400000095	1	11.64000034	1	0.689999998	1	3.930000067
29.77583333	1	1.049999951	1	8.719999541	1	0.560000001	1	3.99000001
21.50399194	1	0.379999995	1	9	1	0.610000005	1	3.700000048

CODE	UNIT	CONVER...	TEST	COLUMN	FORMAT	INPU...	OUTPUT DEF. ...	TEST ...	TEST ...	COLUMN FLAG	INST...
DEPH - DEPTH...	meter	x*1	50,2	8	%6.1f		-999.9				
PHOS - PHOS...	millimole/m3	x*1		0							
NTRA - NITRA...	millimole/m3	x*1		0	%6.3f		99.999				
NTRI - NITRITE...	millimole/m3	x*1		0	%6.3f		99.999				
SLCA - SILICA...	millimole/m3	x*1		0	%7.3f		999.999				
CPHL - CHLO...	milligram/m3	x*1		0	%5.2f		99.99				
TPHP - TOTAL ...	milligram/m3	x*1		0	%6.3f		99.999				
AMON - AM...	millimole/m3	x*1		0	%6.2f		999.99				
TSMP - TOTAL ...	gram/m3	x*1		0	%7.3f		999.999				
OSMP - ORGA...	gram/m3	x*1		0	%6.3f		99.999				
ISMP - INORG...	gram/m3	x*1		0	%6.3f		99.999				

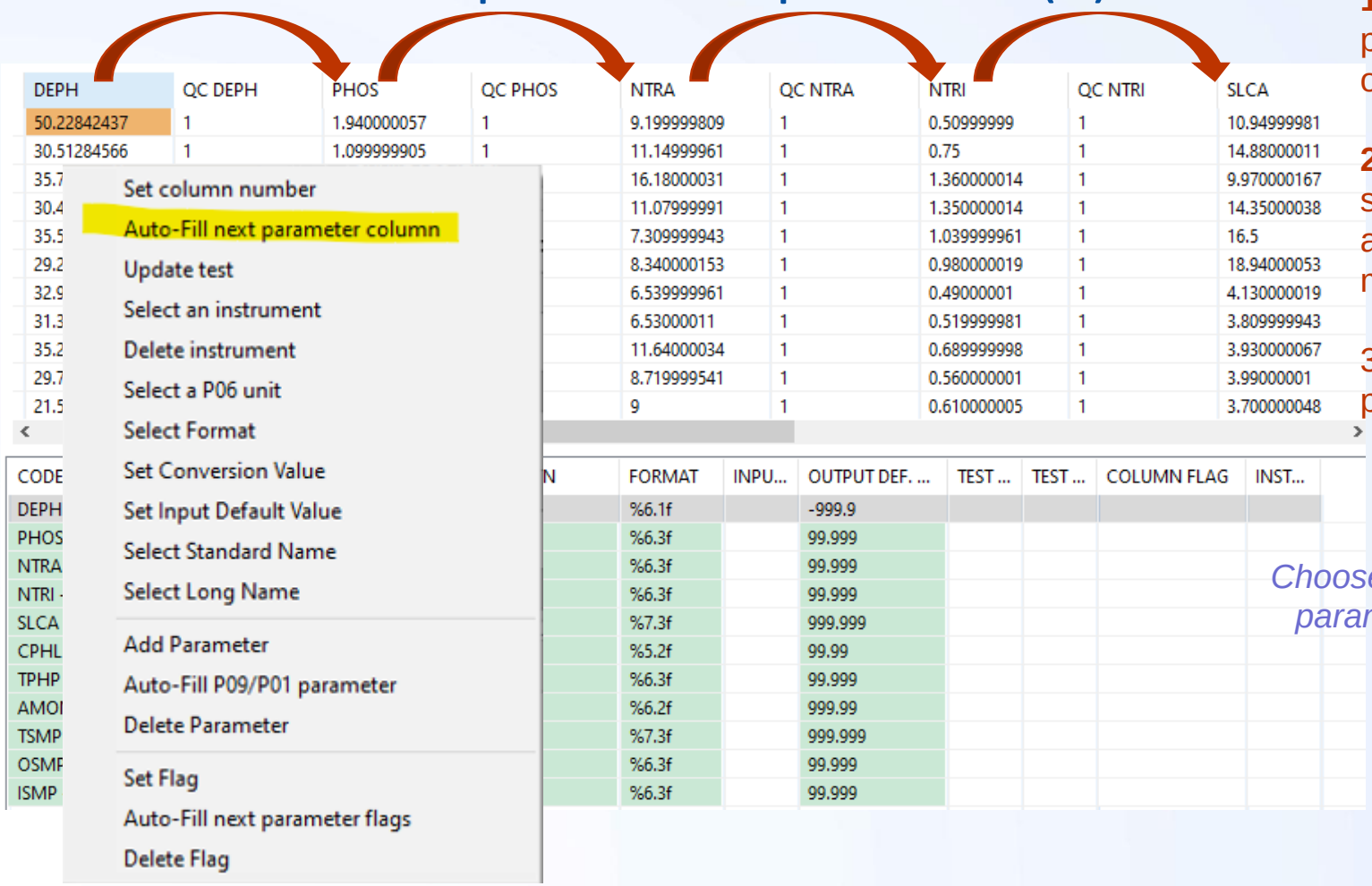
Input the position of the 1st parameter

1. Measured parameters one column out of 2

2. Parameters in the same order in the file and in the table of measurements

3. 1st parameter position already set

Auto-fill next parameter positions (2)



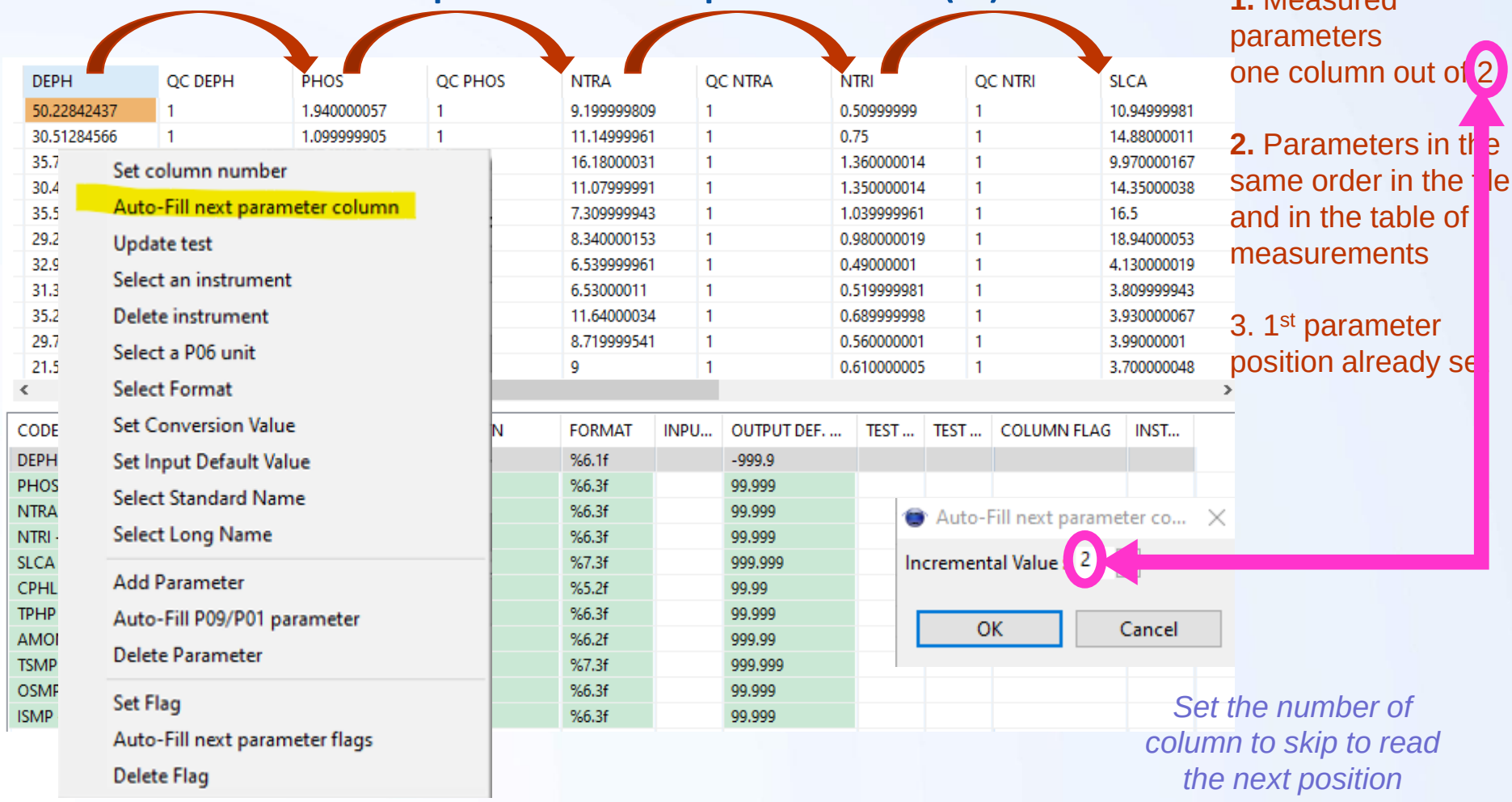
1. Measured parameters one column out of 2

2. Parameters in the same order in the file and in the table of measurements

3. 1st parameter position already set

Choose Auto-Fill next parameter column

Auto-fill next parameter positions (2)



1. Measured parameters one column out of 2

2. Parameters in the same order in the file and in the table of measurements

3. 1st parameter position already se

Set the number of column to skip to read the next position

Auto-fill next parameter positions (2)

DEPH	QC DEPH	PHOS	QC PHOS	NTRA	QC NTRA	NTRI	QC NTRI	SLCA
50.22842437	1	1.940000057	1	9.199999809	1	0.50999999	1	10.94999981
30.51284566	1	1.099999905	1	11.14999961	1	0.75	1	14.88000011
35.7				16.18000031	1	1.360000014	1	9.970000167
30.4				11.07999991	1	1.350000014	1	14.35000038
35.5				7.309999943	1	1.039999961	1	16.5
29.2				8.340000153	1	0.980000019	1	18.94000053
32.9				6.539999961	1	0.49000001	1	4.130000019
31.3				6.53000011	1	0.519999981	1	3.809999943
35.2				11.64000034	1	0.689999998	1	3.930000067
29.7				8.719999541	1	0.560000001	1	3.99000001
21.5				9	1	0.610000005	1	3.700000048

- Set column number
- Auto-Fill next parameter column
- Update test
- Select an instrument
- Delete instrument
- Select a P06 unit
- Select Format
- Set Conversion Value
- Set Input Default Value
- Select Standard Name
- Select Long Name
- Add Parameter
- Auto-Fill P09/P01 parameter
- Delete Parameter
- Set Flag
- Auto-Fill next parameter flags
- Delete Flag

CODE	UNIT	CONVER...	TEST	COLUMN	FORMAT	INPU...	OUTPUT DEF. ...
DEPH - DEPTH...	meter	x*1	50,2	8	%6.1f		-999.9
PHOS - PHOS...	millimole/m3	x*1		10	%6.3f		99.999
NTRA - NITRA...	millimole/m3	x*1		12	%6.3f		99.999
NTRI - NITRITE...	millimole/m3	x*1		14	%6.3f		99.999
SLCA - SILICA...	millimole/m3	x*1		16	%7.3f		999.999
CPHL - CHLO...	milligram/m3	x*1		18	%5.2f		99.99
TPHP - TOTAL ...	milligram/m3	x*1		20	%6.3f		99.999
AMON - AM...	millimole/m3	x*1		22	%6.2f		999.99
TSMP - TOTAL ...	gram/m3	x*1		24	%7.3f		999.999
OSMP - ORGA...	gram/m3	x*1		26	%6.3f		99.999
ISMP - INORG...	gram/m3	x*1		28	%6.3f		99.999

1. Measured parameters one column out of 2

2. Parameters in the same order in the file and in the table of measurements

3. 1st parameter position already se

Autofill next parameter flags positions (1)

- Possible only for
  - CSV files
  - If the list of parameters entered in the data table is in the same order as in the data file
  - When the position of the 1st parameter flag has already been entered
- Same action than for the parameters

Autofill next parameter flag position (2)

1. QC flags one column out of 2
2. Same order of pthe paramters
3. Position of the 1st flag already set

[File] [Cruise / Collection] [Station] Data Conver

DEPH	QC DEPH	PHOS	QC PHOS	NTRA	QC NTRA	NTRI	QC NTRI	SI
50.22842437	1	1.940000057	1	9.199999809	1	0.50999999	1	1(
30.51284566	1	1.099999905	1	11.14999961	1	0.75	1	1⁴
35.72762308	1	0.939999998	1	16.18000031	1	1.360000014	1	9.
30.4652134	1	1.419999957	1	11.07999991	1	1.350000014	1	1⁴
35.50028544	1	1.870000005	1	7.309999943	1	1.039999961	1	1(
29.20029348	1	1.5	1	8.340000153	1	0.980000019	1	1(
32.96240385	1	0.610000014	1	6.539999961	1	0.49000001	1	4.
31.35534483	1	0.370000005	1	6.53000011	1	0.519999981	1	3.
35.21355769	1	1.400000095	1	11.64000034	1	0.689999998	1	3.
29.77583333	1	1.049999951	1	8.719999541	1	0.560000001	1	3.
21.50399194	1	0.379999995	1	9	1	0.610000005	1	3.

Input the position of the 1st flag

CODE	UNIT	CONVER...	TEST	COLUMN	FORMAT	INPU...	OUTPUT DEF. ...	TEST ...	TEST ...	COLUMN FLA
DEPH - DEPTH...	meter	x*1	50,2	8	%6.1f		-999.9			9
PHOS - PHOS...	millimole/m3	x*1		0	%6.3f		99.999			
NTRA - NITRA...	millimole/m3	x*1		0	%6.3f		99.999			
NTRI - NITRITE...	millimole/m3	x*1		0	%6.3f		99.999			
SLCA - SILICA...	millimole/m3	x*1		0	%7.3f		999.999			
CPHL - CHLO...	milligram/m3	x*1		0	%5.2f		99.99			
TPHP - TOTAL ...	milligram/m3	x*1		0	%6.3f		99.999			
AMON - AM...	millimole/m3	x*1		0	%6.2f		999.99			
TSMP - TOTAL ...	gram/m3	x*1		0	%7.3f		999.999			
OSMP - ORGA...	gram/m3	x*1		0	%6.3f		99.999			

Autofill next parameter flag position (2)

1. QC flags one column out of 2
2. Same order of pthe paramters
3. Position of the 1st flag already set

[File] [Cruise / Collection] [Station] Data Convert

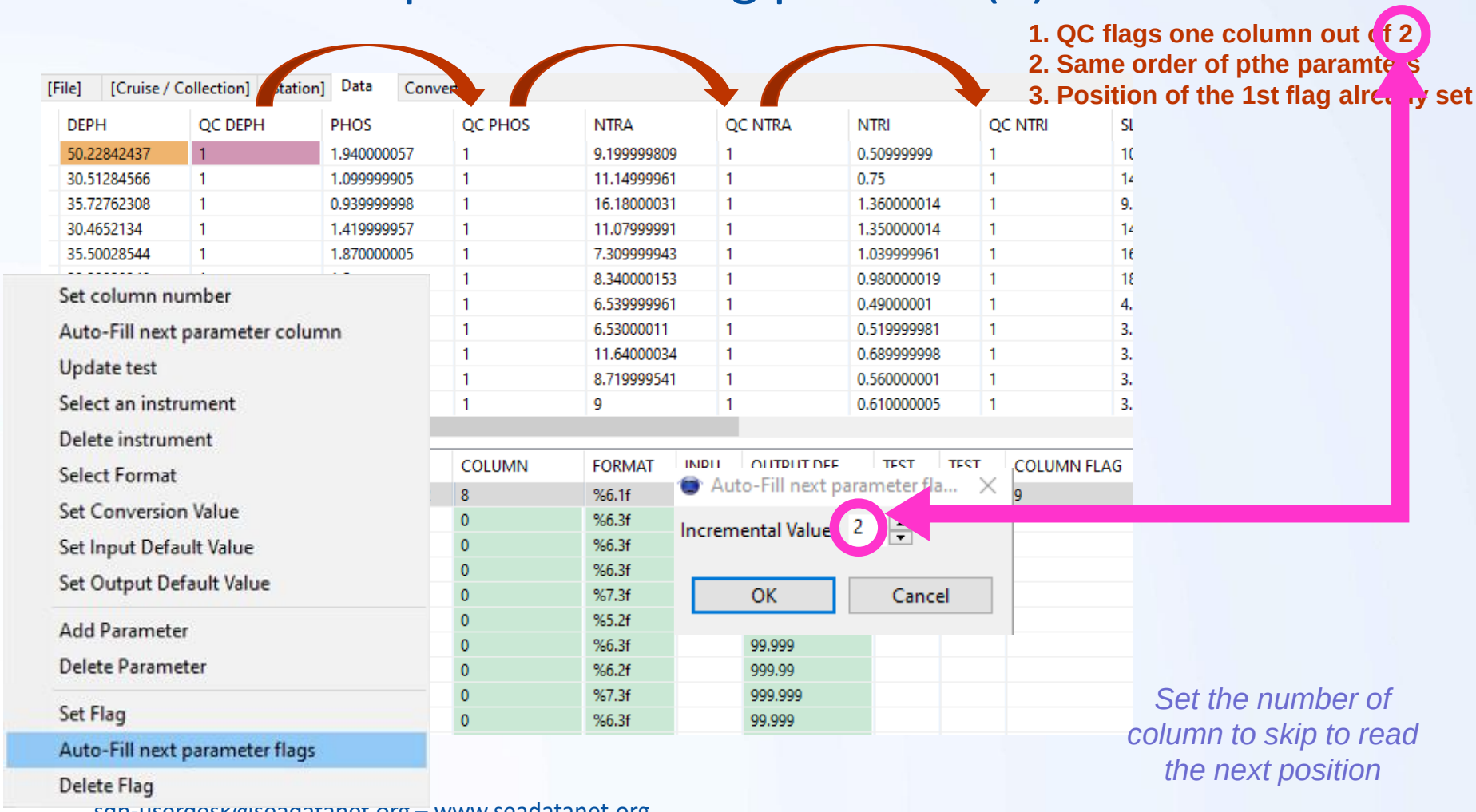
DEPH	QC DEPH	PHOS	QC PHOS	NTRA	QC NTRA	NTRI	QC NTRI	SI
50.22842437	1	1.940000057	1	9.199999809	1	0.50999999	1	1(
30.51284566	1	1.099999905	1	11.14999961	1	0.75	1	1⁴
35.72762308	1	0.939999998	1	16.18000031	1	1.360000014	1	9.
30.4652134	1	1.419999957	1	11.07999991	1	1.350000014	1	1⁴
35.50028544	1	1.870000005	1	7.309999943	1	1.039999961	1	1(
			1	8.340000153	1	0.980000019	1	1(
			1	6.539999961	1	0.49000001	1	4.
			1	6.53000011	1	0.519999981	1	3.
			1	11.64000034	1	0.689999998	1	3.
			1	8.719999541	1	0.560000001	1	3.
			1	9	1	0.610000005	1	3.

- Set column number
- Auto-Fill next parameter column
- Update test
- Select an instrument
- Delete instrument
- Select Format
- Set Conversion Value
- Set Input Default Value
- Set Output Default Value
- Add Parameter
- Delete Parameter
- Set Flag
- **Auto-Fill next parameter flags**
- Delete Flag

COLUMN	FORMAT	INPU...	OUTPUT DEF. ...	TEST ...	TEST ...	COLUMN FLAG
8	%6.1f		-999.9			9
0	%6.3f		99.999			
0	%6.3f		99.999			
0	%6.3f		99.999			
0	%7.3f		999.999			
0	%5.2f		99.99			
0	%6.3f		99.999			
0	%6.2f		999.99			
0	%7.3f		999.999			
0	%6.3f		99.999			

Choose Auto-Fill next parameter flags

Autofill next parameter flag position (2)



Autofill next parameter flag position (2)

1. QC flags one column out of 2
2. Same order of pthe paramters
3. Position of the 1st flag already set

[File] [Cruise / Collection] [Station] Data Convert

DEPH	QC DEPH	PHOS	QC PHOS	NTRA	QC NTRA	NTRI	QC NTRI	SI
50.22842437	1	1.940000057	1	9.199999809	1	0.50999999	1	1(
30.51284566	1	1.099999905	1	11.14999961	1	0.75	1	14
35.72762308	1	0.939999998	1	16.18000031	1	1.360000014	1	9.
30.4652134	1	1.419999957	1	11.07999991	1	1.350000014	1	14
35.50028544	1	1.870000005	1	7.309999943	1	1.039999961	1	16
			1	8.340000153	1	0.980000019	1	18
			1	6.539999961	1	0.49000001	1	4.
			1	6.53000011	1	0.519999981	1	3.
			1	11.64000034	1	0.689999998	1	3.
			1	8.719999541	1	0.560000001	1	3.

Set column number
Auto-Fill next parameter column
Update test
Select an
Delete ins
Select For
Set Conve
Set Input
Set Outpu
Add Para
Delete Pa
Set Flag
Auto-Fill
Delete Flag

CODE	UNIT	CONVER...	TEST	COLUMN	FORMAT	INPU...	OUTPUT DEF. ...	TEST ...	TEST ...	COLUMN FLAG
DEPH - DEPTH...	meter	x*1	50,2	8	%6.1f		-999.9			9
PHOS - PHOS...	millimole/m3	x*1		0	%6.3f		99.999			11
NTRA - NITRA...	millimole/m3	x*1		0	%6.3f		99.999			13
NTRI - NITRITE...	millimole/m3	x*1		0	%6.3f		99.999			15
SLCA - SILICA...	millimole/m3	x*1		0	%7.3f		999.999			17
CPHL - CHLO...	milligram/m3	x*1		0	%5.2f		99.99			19
TPHP - TOTAL ...	milligram/m3	x*1		0	%6.3f		99.999			21
AMON - AM...	millimole/m3	x*1		0	%6.2f		999.99			23
TSMP - TOTAL ...	gram/m3	x*1		0	%7.3f		999.999			25
OSMP - ORGA...	gram/m3	x*1		0	%6.3f		99.999			27
ISMP - INORG...	gram/m3	x*1		0	%6.3f		99.999			29

Delete an instrument (1) *select the lines*

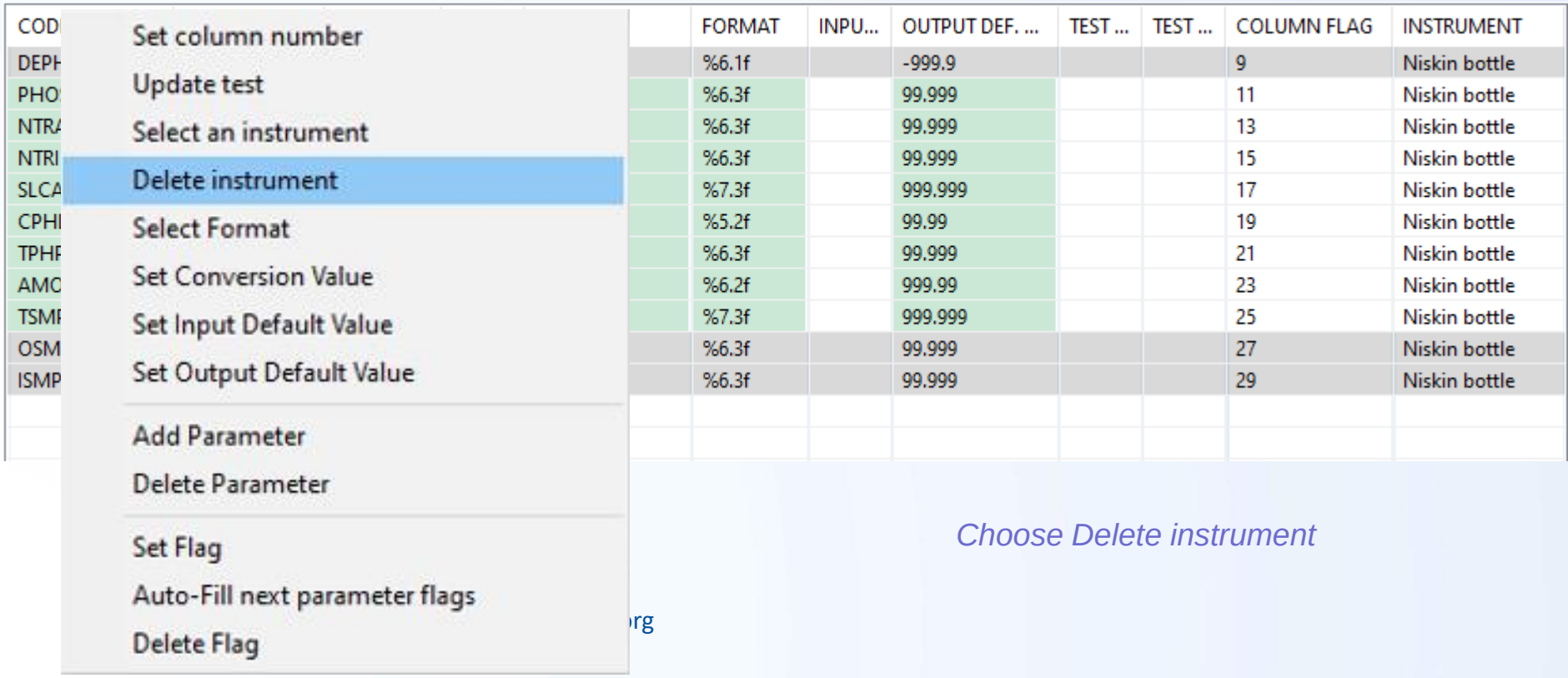
- For one or more parameters depending on the number of lines selected

CODE	UNIT	CONVER...	TEST	COLUMN	FORMAT	INPU...	OUTPUT DEF. ...	TEST ...	TEST ...	COLUMN FLAG	INSTRUMENT
DEPH - DEPTH...	meter	x*1	50,2	8	%6.1f		-999.9			9	Niskin bottle
PHOS - PHOS...	millimole/m3	x*1		0	%6.3f		99.999			11	Niskin bottle
NTRA - NITRA...	millimole/m3	x*1		0	%6.3f		99.999			13	Niskin bottle
NTRI - NITRITE...	millimole/m3	x*1		0	%6.3f		99.999			15	Niskin bottle
SLCA - SILICA...	millimole/m3	x*1		0	%7.3f		999.999			17	Niskin bottle
CPHL - CHLO...	milligram/m3	x*1		0	%5.2f		99.99			19	Niskin bottle
TPHP - TOTAL ...	milligram/m3	x*1		0	%6.3f		99.999			21	Niskin bottle
AMON - AM...	millimole/m3	x*1		0	%6.2f		999.99			23	Niskin bottle
TSMP - TOTAL ...	gram/m3	x*1		0	%7.3f		999.999			25	Niskin bottle
OSMP - ORGA...	gram/m3	x*1		0	%6.3f		99.999			27	Niskin bottle
ISMP - INORG...	gram/m3	x*1		0	%6.3f		99.999			29	Niskin bottle

Select the parameter lines

Delete an instrument (2) *choose Delete Instrument*

- For one or more parameters depending on the number of lines selected



COD	FORMAT	INPU...	OUTPUT DEF. ...	TEST ...	TEST ...	COLUMN FLAG	INSTRUMENT
DEPH	%6.1f		-999.9			9	Niskin bottle
PHO	%6.3f		99.999			11	Niskin bottle
NTRA	%6.3f		99.999			13	Niskin bottle
NTRI	%6.3f		99.999			15	Niskin bottle
SLCA	%7.3f		999.999			17	Niskin bottle
CPHI	%5.2f		99.99			19	Niskin bottle
TPHF	%6.3f		99.999			21	Niskin bottle
AMO	%6.2f		999.99			23	Niskin bottle
TSMF	%7.3f		999.999			25	Niskin bottle
OSM	%6.3f		99.999			27	Niskin bottle
ISMP	%6.3f		99.999			29	Niskin bottle

Choose Delete instrument

Delete an instrument (3) *Result*

- For one or more parameters depending on the number of lines selected

CODE	UNIT	CONVER...	TEST	COLUMN	FORMAT	INPU...	OUTPUT DEF. ...	TEST ...	TEST ...	COLUMN FLAG	INSTRUMENT
DEPH - DEPTH...	meter	x*1	50,2	8	%6.1f		-999.9			9	
PHOS - PHOS...	millimole/m3	x*1		0	%6.3f		99.999			11	Niskin bottle
NTRA - NITRA...	millimole/m3	x*1		0	%6.3f		99.999			13	Niskin bottle
NTRI - NITRITE...	millimole/m3	x*1		0	%6.3f		99.999			15	Niskin bottle
SLCA - SILICA...	millimole/m3	x*1		0	%7.3f		999.999			17	Niskin bottle
CPHL - CHLO...	milligram/m3	x*1		0	%5.2f		99.99			19	Niskin bottle
TPHP - TOTAL ...	milligram/m3	x*1		0	%6.3f		99.999			21	Niskin bottle
AMON - AM...	millimole/m3	x*1		0	%6.2f		999.99			23	Niskin bottle
TSMP - TOTAL ...	gram/m3	x*1		0	%7.3f		999.999			25	Niskin bottle
OSMP - ORGA...	gram/m3	x*1		0	%6.3f		99.999			27	
ISMP - INORG...	gram/m3	x*1		0	%6.3f		99.999			29	

Results

Set the input default value (1) *Select the lines*

- For one or more parameters depending on the number of lines selected

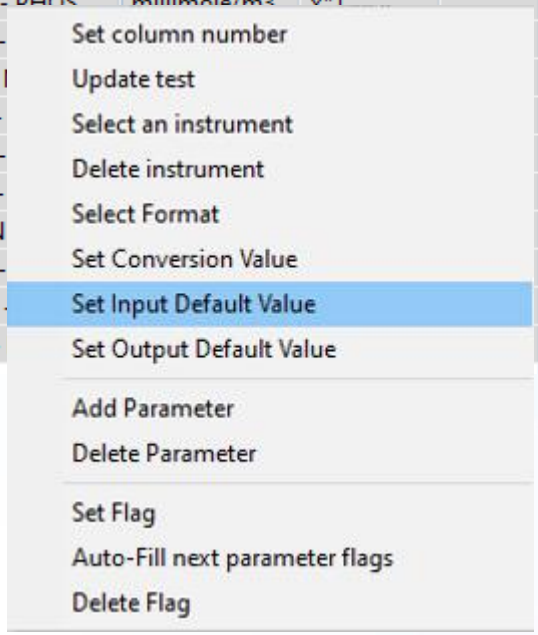
CODE	UNIT	CONVER...	TEST	COLUMN	FORMAT	INPU...	OUTPUT DEF. ...	TEST ...	TEST ...	COLUMN FLAG	INSTRUMENT
DEPH - DEPTH...	meter	x*1	50,2	8	%6.1f		-999.9			9	
PHOS - PHOS...	millimole/m3	x*1		0	%6.3f		99.999			11	Niskin bottle
NTRA - NITRA...	millimole/m3	x*1		0	%6.3f		99.999			13	Niskin bottle
NTRI - NITRITE...	millimole/m3	x*1		0	%6.3f		99.999			15	Niskin bottle
SLCA - SILICA...	millimole/m3	x*1		0	%7.3f		999.999			17	Niskin bottle
CPHL - CHLO...	milligram/m3	x*1		0	%5.2f		99.99			19	Niskin bottle
TPHP - TOTAL ...	milligram/m3	x*1		0	%6.3f		99.999			21	Niskin bottle
AMON - AM...	millimole/m3	x*1		0	%6.2f		999.99			23	Niskin bottle
TSMP - TOTAL ...	gram/m3	x*1		0	%7.3f		999.999			25	Niskin bottle
OSMP - ORGA...	gram/m3	x*1		0	%6.3f		99.999			27	
ISMP - INORG...	gram/m3	x*1		0	%6.3f		99.999			29	

Select the parameter lines

Set the input default value (2) *choose set Input Default value*

- For one or more parameters depending on the number of lines selected

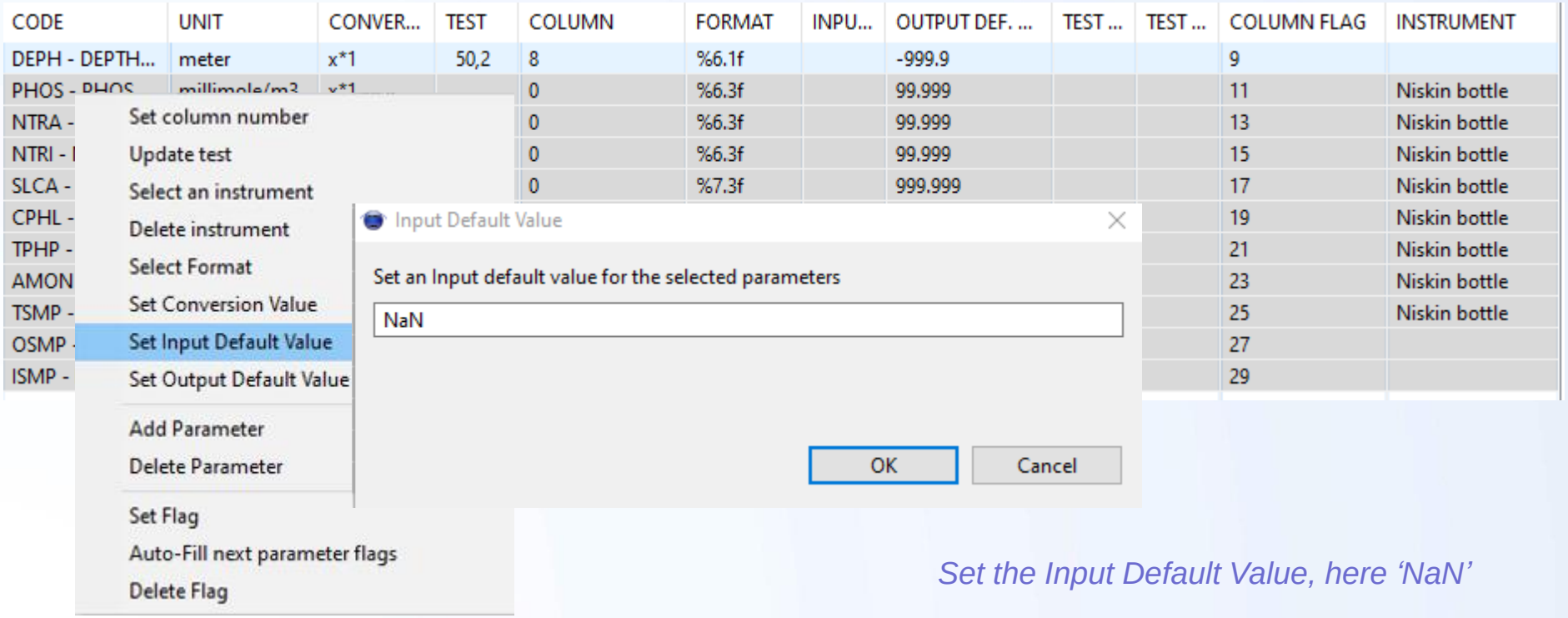
CODE	UNIT	CONVER...	TEST	COLUMN	FORMAT	INPU...	OUTPUT DEF. ...	TEST ...	TEST ...	COLUMN FLAG	INSTRUMENT
DEPH - DEPTH...	meter	x*1	50,2	8	%6.1f		-999.9			9	
PHOS - PHOS	millimole/m3	x*1		0	%6.3f		99.999			11	Niskin bottle
NTRA -				0	%6.3f		99.999			13	Niskin bottle
NTRI - I				0	%6.3f		99.999			15	Niskin bottle
SLCA -				0	%7.3f		999.999			17	Niskin bottle
CPHL -				0	%5.2f		99.99			19	Niskin bottle
TPHP -				0	%6.3f		99.999			21	Niskin bottle
AMON				0	%6.2f		999.99			23	Niskin bottle
TSMP -				0	%7.3f		999.999			25	Niskin bottle
OSMP -				0	%6.3f		99.999			27	
ISMP -				0	%6.3f		99.999			29	



Choose Set Input Default Value

Set the input default value (3) *Input the default value*

- For one or more parameters depending on the number of lines selected



Set the Input Default Value, here 'NaN'

Set the input default value (4) *Result*

– For one or more parameters depending on the number of lines selected

CODE	UNIT	CONVER...	TEST	COLUMN	FORMAT	INPU...	OUTPUT DEF. ...	TEST ...	TEST ...	COLUMN FLAG	INSTRUMENT
DEPH - DEPTH...	meter	x*1	50,2	8	%6.1f		-999.9			9	
PHOS - PHOS...	millimole/m3	x*1		0	%6.3f	NaN	99.999			11	Niskin bottle
NTRA - NITRA...	millimole/m3	x*1		0	%6.3f	NaN	99.999			13	Niskin bottle
NTRI - NITRITE...	millimole/m3	x*1		0	%6.3f	NaN	99.999			15	Niskin bottle
SLCA - SILICA...	millimole/m3	x*1		0	%7.3f	NaN	999.999			17	Niskin bottle
CPHL - CHLO...	milligram/m3	x*1		0	%5.2f	NaN	99.99			19	Niskin bottle
TPHP - TOTAL ...	milligram/m3	x*1		0	%6.3f	NaN	99.999			21	Niskin bottle
AMON - AM...	millimole/m3	x*1		0	%6.2f	NaN	999.99			23	Niskin bottle
TSMP - TOTAL ...	gram/m3	x*1		0	%7.3f	NaN	999.999			25	Niskin bottle
OSMP - ORGA...	gram/m3	x*1		0	%6.3f	NaN	99.999			27	
ISMP - INORG...	gram/m3	x*1		0	%6.3f	NaN	99.999			29	

Results

Changes during the conversion

- Station comments
  - Station comments from CNV files can be taken into account
  - Station comments are kept in ODV and added at the beginning of the file as comment lines
- Flag 'B‘ (nominal value) set on the pressure/depth of time series and trajectories if it is generated in the output file from the sensor depth

GOAL

Increase data FAIRness by adding metadata

New fields in the CDI-SUMMARY

- Used by MIKADO to generate CDI metadata
- Additional information
  L05 (L22-L05 mapping) and L22 instrument codes, EDMERP codes, Cruise alternative name and CSR id, Cruise start date, Sampling rate and unit, Bounding box for trajectories, Station start and end date, Min and max measurement depth, Bottom depth
- Generation of a file allowing to draw the trajectory route in MIKADO ➔ MIKADO upgrading done to take into account this new file

New **Batch Builder** tool (1)

GOAL
Ease user life

- to help the user in writing batch procedures for NEMO, especially for a set of files using the same template but for different cruises/datasets
  - Makes it easier to create a batch with arguments that vary from one file to another
  - Arguments are listed in a CSV file: one line per file

Batch Builder (2)

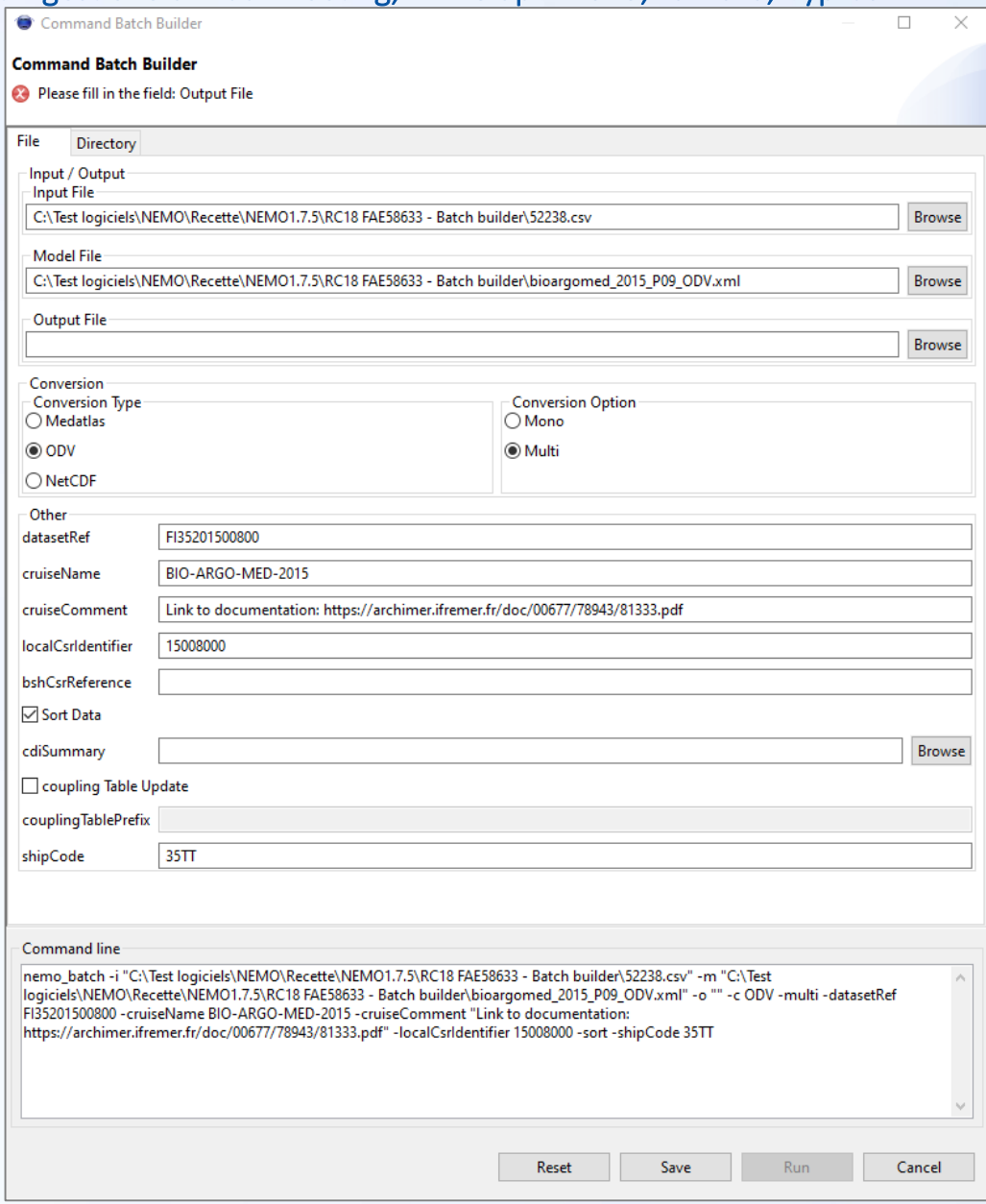
- CSV mapping file
  - Contains the 10 arguments of the batches to be launched, separated by ';‘
  - One line per file

fileNameIn	modelName	fileNameOut	datasetRef
000486_ODV_GOSUD_FI352008090050.txt	gosud_model_odv_Fanindien2008.xml	output_GOSUD_FI352008090050_175rc18.txt	FI352008090050
000486_ODV_GOSUD_FI352008090070.txt	gosud_model_odv_Fanindien2008.xml	output_GOSUD_FI352008090070_175rc18.txt	FI352008090070
000486_ODV_GOSUD_FI3520080900780.txt	gosud_model_odv_Fanindien2008.xml	output_GOSUD_FI352008090080_175rc18.txt	FI352008090080
000486_ODV_GOSUD_FI352009030020_TS.txt	gosud_model_odv_Fanindien2008.xml	output_GOSUD_FI352009030020_175rc18.txt	FI352009030020

cruiseName	cruiseComment	localCsrIdentifier	bshCsrReference	cdiSummary	shipCode
MADAGASCAR 2008 - LEG1	Tsg Beautemps-Beaupré cruise off Toamasina	8090050		summary_GOSU	35B5
FANINDIEN 2008	Tsg Beautemps-Beaupré cruise off Toamasina	8090070		summary_GOSU	35B5
MADAGASCAR 2008 - LEG2	Tsg Beautemps-Beaupré cruise off Toamasina	8090080		summary_GOSU	35B5
ESSNAUT 2009	TSG ESSNAUT 2009 cruise	9030020		summary_GOSU	35PK

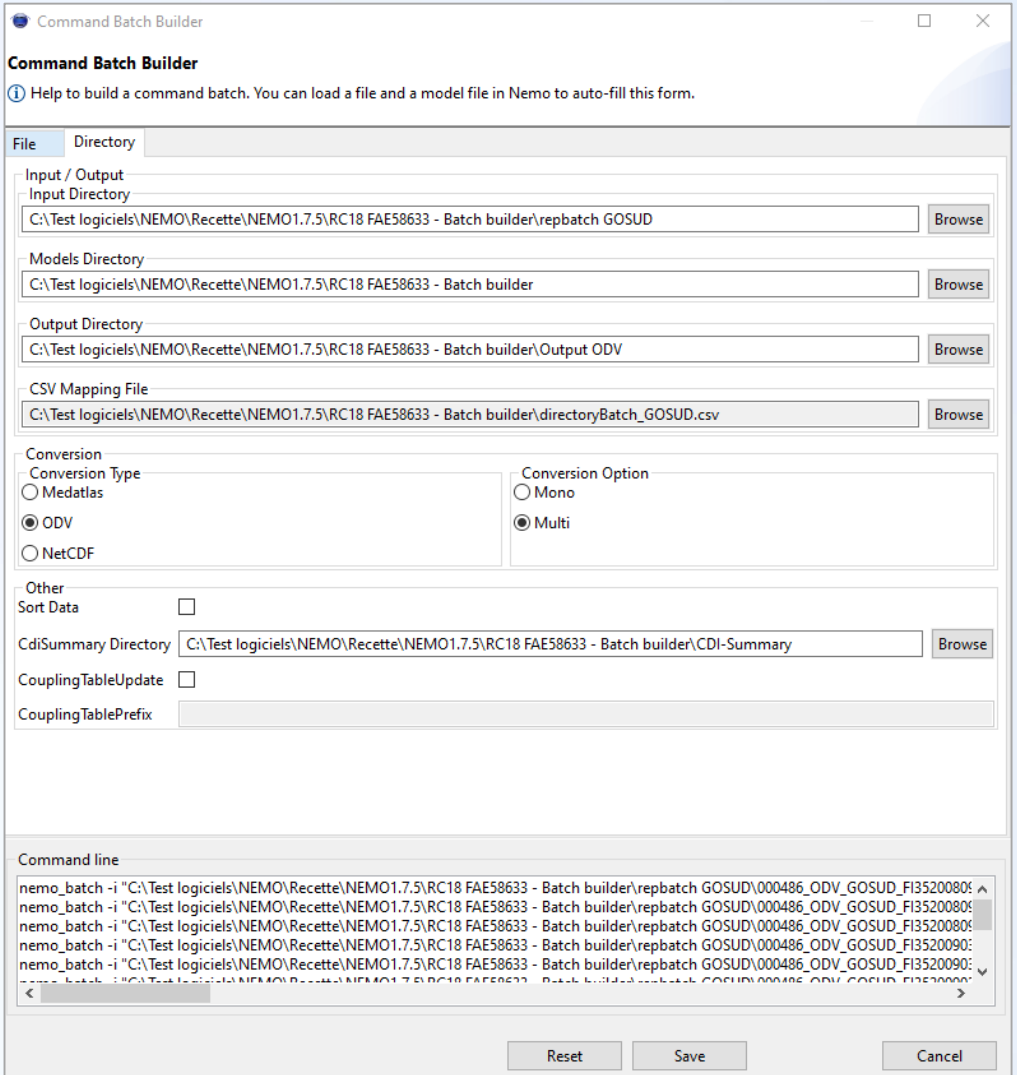
Batch Builder (3)

- Main screen, 2 modes
  - write batch command for **one file**



Batch Builder (4)

- Main screen, 2 modes
  - write batch command **for a directory with several files**



NEMO 2.0 Status

- Last developments finished
- Need some more tests
- Will be distributed soon (end of April – Beginning of May) via SeaDataNet web site

Help desk

For any help, question :

sdn-userdesk@seadatanet.org