



GeODin Newsletter: January 2012

Drag a column header here to group by that column.

von	bis	Name	Art	Material	Untersuchung	Labor	Labornummer	Ergebnis
1,30	1,80	B1	B			CA	75001	
2,00	2,50	B2	B			CA	75002	
3,40	3,90	B3	B			CA	75003	

Beyond Geology 25: A new data entry grid improves the collection and organisation of sample, well design & data sequence information in GeODin. **Also please read the important update notice!**



New grid for data entry & organisation

Dear GeODin Users,

When collecting and organising large amounts of data, tools for helping to sort and filter your information are always welcome. GeODin 7.5 now allows you to do just that when using the sample, well design and data sequence editors. Also in this newsletter is an important update reminder for all GeODin 7 users.

Please note that GeODin 7.5 is a **Premium Release only version**. To upgrade to GeODin 7.5 you must have a **GeODin Premium Support Agreement**.

Ziehen Sie eine Spaltenüberschrift hierher, um nach dieser Spalte zu gruppieren.

von	bis	Name	Art	Labor	Labornummer
1,30	1,80	B1	B	CA	75001
2,00	2,50	B2	B	CA	75002
3,40	3,90	B3	B	CA	75003
4,50	5,00	B4	B	CA	75004
6,90	7,40	MP1	P	CA	75005
8,00	8,50	MP2	P	CA	75006
9,50	10,00	MP3	P	CA	75007
11,50	12,00	MP4	P	CA	75008
16,50	17,00	MP5	P	CA	75009
20,00	20,50	BP1	bp	BM	75010
25,00	25,50	BP2	bp	BM	75011
29,50	30,00	BP3	bp	BM	75012
32,50	33,00	BP4	bp	BM	75013
34,00	34,50	BP5	bpd	BM	75014
37,50	38,00	BP6	bpd	BM	75015
40,00	40,50	BP7	bpd	BM	75016
43,50	44,00	BP8	bpd	BM	75017
45,50	46,00	BP9	bpd	BM	75018
49,50	50,00	BP10	bpd	BM	75019
59,50	60,00	BP11	bpd	BM	75020

The data entry grid in the sample editor

Data management using the grid

The method <Data Management> always displays the currently selected object from the GeODin Object Manager (GOM). There are special editors arranged in a toolbar enabling you to collect and organise data from various sources (see right).



Editors from left to right: General data editor, layer data, samples, well design and data sequences

When performing data collection and organisation tasks using a grid, with data entry fields as columns and data records arranged in rows, there are many configuration options. A view of the data can be created with a few mouse clicks, which allows the order and visibility of the columns chosen to optimally present the data with respect to sorting, grouping and filtering of the current situation. These views can be saved with user defined names for later re-use.



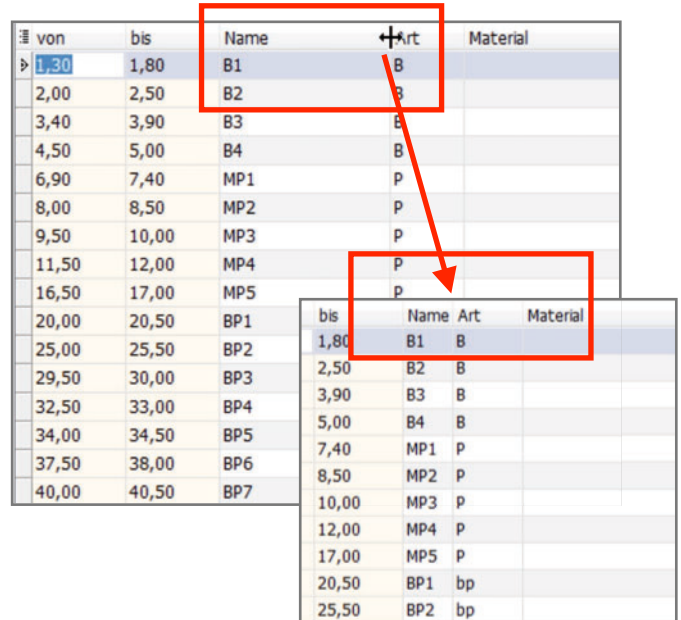
New toolbar for the data entry grid

Data entry grid

Column properties

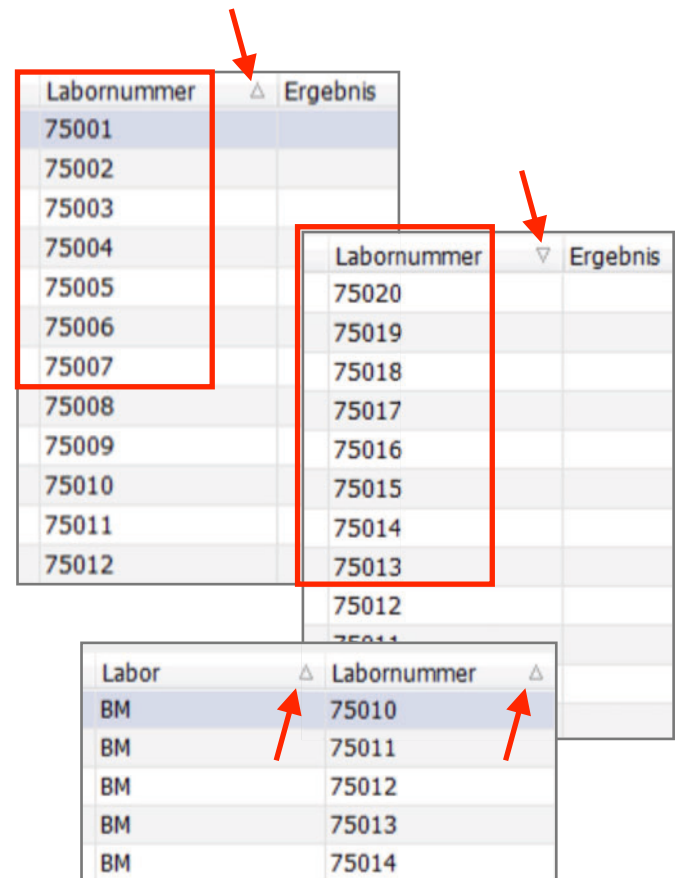
- The column width can be changed by clicking and dragging in the header.
- By double-clicking the right-hand boundary of a column its width will be automatically adjusted to the length of the current content.
- Clicking the column heading once sorts the data records in ascending order.
- A further click sorts the data in the reverse direction (descending order).
- By Ctrl-clicking a column header the sorting is removed.
- Staggered sorting over several columns can be achieved Shift-clicking a column header, whereby the column chosen is lower in the hierarchy than the previously sorted column.
- The type of sorting is indicated by a triangular symbol in the column.
- The top left corner of the data input grid contains a button to allow the visibility of columns can be toggled on and off.

Please note: the screenshots used are from a German project, hence the column headers with "von", "bis", "Art", "Labor", "Ergebnis" etc. These are just the standard headings for "from", "to", "Type", "Laboratory" and "Result".



von	bis	Name	Art	Material
1,30	1,80	B1	B	
2,00	2,50	B2	B	
3,40	3,90	B3	B	
4,50	5,00	B4	B	
6,90	7,40	MP1	P	
8,00	8,50	MP2	P	
9,50	10,00	MP3	P	
11,50	12,00	MP4	P	
16,50	17,00	MP5	P	
20,00	20,50	BP1		
25,00	25,50	BP2		
29,50	30,00	BP3		
32,50	33,00	BP4		
34,00	34,50	BP5		
37,50	38,00	BP6		
40,00	40,50	BP7		

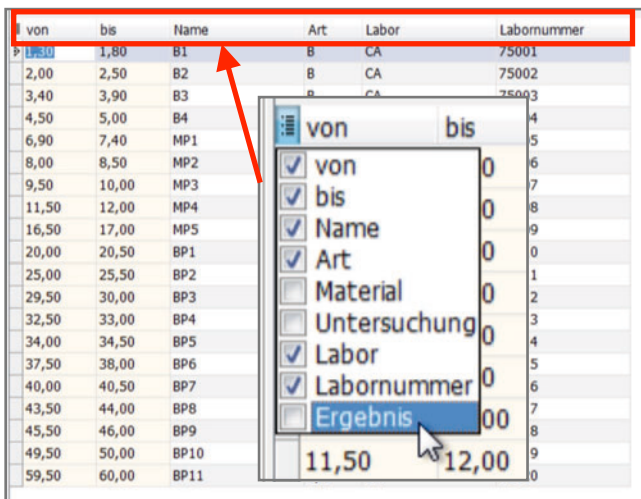
Changing column widths



Labornummer	Ergebnis
75001	
75002	
75003	
75004	
75005	
75006	
75007	
75008	
75009	
75010	
75011	
75012	

Labor	Labornummer
BM	75010
BM	75011
BM	75012
BM	75013
BM	75014

Changing the sorting order



von	bis	Name	Art	Labor	Labornummer
1,30	1,80	B1	B	CA	75001
2,00	2,50	B2	B	CA	75002
3,40	3,90	B3	B	CA	75003
4,50	5,00	B4			4
6,90	7,40	MP1			5
8,00	8,50	MP2			6
9,50	10,00	MP3			7
11,50	12,00	MP4			8
16,50	17,00	MP5			9
20,00	20,50	BP1			0
25,00	25,50	BP2			1
29,50	30,00	BP3			2
32,50	33,00	BP4			3
34,00	34,50	BP5			4
37,50	38,00	BP6			5
40,00	40,50	BP7			6
43,50	44,00	BP8			7
45,50	46,00	BP9			8
49,50	50,00	BP10			9
59,50	60,00	BP11			0

Toggling column visibility

Data entry grid

Selecting data records

Several data records can be selected at once by clicking the top-left button in front of each data record. By keeping the mouse button depressed after the first click and dragging the mouse to another part of the data input grid several records can be chosen. The area selected is shown in a different colour. Alternatively you may use the Shift-key to highlight an area or the Ctrl-key to select individual data sets. The key combination Ctrl+A can be used to select all data records.

von	bis	Name	Art	Labor	Labornummer
1,30	1,80	B1	B	CA	75001
2,00	2,50	B2	B	CA	75002
3,40	3,90	B3	B	CA	75003
4,50	5,00	B4	B	CA	75004
6,90	7,40	MP1	P	CA	75005
8,00	8,50	MP2	P	CA	75006
9,50	10,00	MP3	P	CA	75007
11,50	12,00	MP4	P	CA	75008
16,50	17,00	MP5	P	CA	75009

von	bis	Name	Art	Labor	Labornummer
1,30	1,80	B1	B	CA	75001
2,00	2,50	B2	B	CA	75002
3,40	3,90	B3	B	CA	75003
4,50	5,00	B4	B	CA	75004
6,90	7,40	MP1	P	CA	75005
8,00	8,50	MP2	P	CA	75006
9,50	10,00	MP3	P	CA	75007

Selecting data records

Grouping data records

Data records can be grouped using the contents of one or more columns. Select and drag the column header to the area above the column headers. The data records are now arranged in groups within a column according to its' contents. Each group is automatically given a header which contains the name and contents of the data record. More hierarchal grouping is achieved by dragging further column headers onto the grouping area. Note: When adding a data record to a group (Insert or Ins) all contents of the parent group are automatically added to the new data record. Manual entry is not necessary and the data record automatically belongs to this group. Normally a grouping column is not visible as a single column. Should this be the case and the contents of a data record change, then this data record will be automatically moved to the relevant group when saving.

von	bis	Name	Art	Labornummer
Labor : BM				
Labor : CA				

von	bis	Name	Art	Labornummer
Labor : BM				
Labor : CA				
1,30	1,80	B1	B	75001
2,00	2,50	B2	B	75002
3,40	3,90	B3	B	75003
4,50	5,00	B4	B	75004
6,90	7,40	MP1	P	75005
8,00	8,50	MP2	P	75006
9,50	10,00	MP3	P	75007

von	bis	Name	Art	Labornummer
Labor : BM				
Labor : CA				
Art : B				
1,30	1,80	B1		75001
2,00	2,50	B2		75002
3,40	3,90	B3		75003
4,50	5,00	B4		75004
Art : P				
6,90	7,40	MP1		75005
8,00	8,50	MP2		75006
9,50	10,00	MP3		75007
11,50	12,00	MP4		75008
16,50	17,00	MP5		75009

Grouping data records

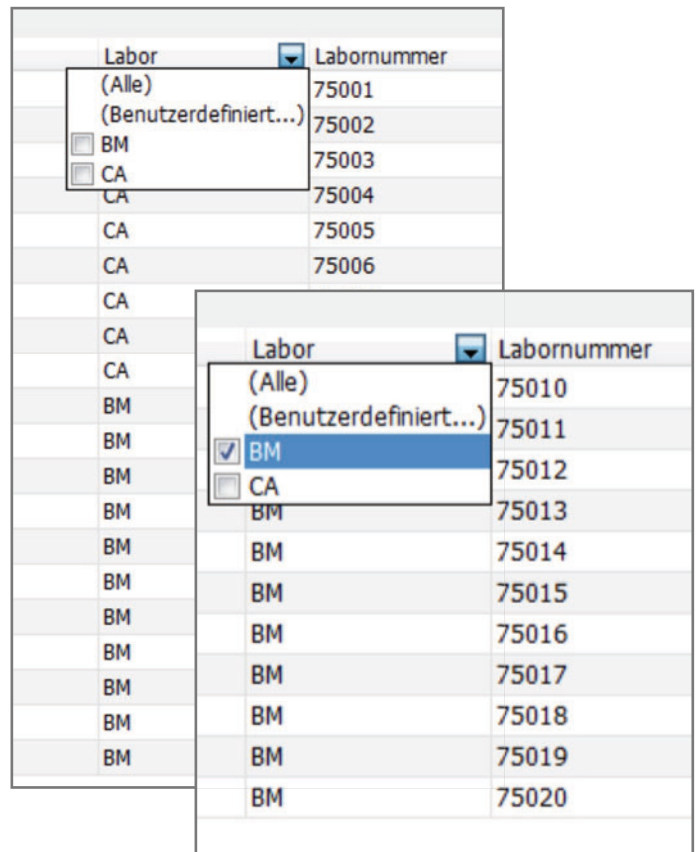
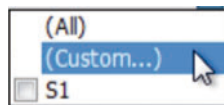
Data entry grid

Filtering data records

You can use filters to define which data records are shown. On the right-hand side of a column header there is a pop-up menu which offers a range of quick filtering options based on the contents of the data records. By choosing one or more of these filters, the number of data records in the grid can be constrained.

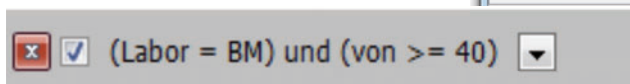
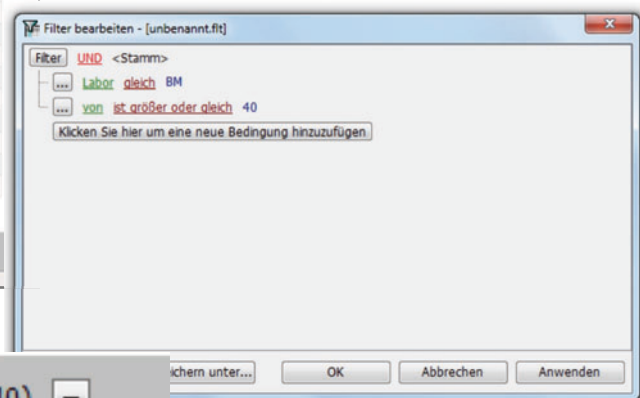
The current selection is shown at the lower grid boundary. Here you have the option of temporarily removing the filter (checkbox next to the filter criteria), ending the filtering (closing the sub-window using the left-hand button), or choosing a recent filter from a pop-up list next to the current filter item. To set up detailed filter criteria and use individual logical connections and conditions click the <Customize> button. Filter definitions can also be saved or opened from a file.

Please note: the screenshots right are from a German project; "Benutzerdefiniert" just means "Custom".



Filtering data records

von	bis	Name	Art	Labor	Labornummer
20,00	20,50	BP1	bp	BM	75010
25,00	25,50	BP2	bp	BM	75011
29,50	30,00	BP3	bp	BM	75012
32,50	33,00	BP4	bp	BM	75013
34,00	34,50	BP5	bpd	BM	75014
37,50	38,00	BP6	bpd	BM	75015
40,00	40,50	BP7	bpd	BM	75016
43,50	44,00	BP8	bpd	BM	75017
45,50	46,00	BP9	bpd	BM	75018
49,50	50,00	BP10	bpd	BM	75019
59,50	60,00	BP11	bpd	BM	75020



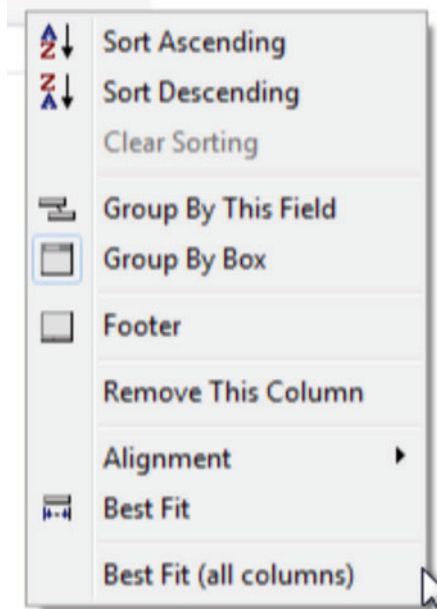
von	bis	Name	Art	Labor	Labornummer
40,00	40,50	BP7	bpd	BM	75016
43,50	44,00	BP8	bpd	BM	75017
45,50	46,00	BP9	bpd	BM	75018
49,50	50,00	BP10	bpd	BM	75019
59,50	60,00	BP11	bpd	BM	75020

Defining filter criteria

Data entry grid

Column header context menu

By right-clicking a column header a context menu appears in which diverse settings for the current column can be defined (visibility, sorting, grouping, alignment and width. The additional <Footer> option overlays a footer at the base of the grid. The contents of the footer are chosen in the next step by right-clicking in this area. The horizontal position of the mouse pointer determines the column, whereby the minimum, maximum, sum, mean (for numerical columns only) and the number of data records (all columns) can be shown.



Column header context menu

Managing settings

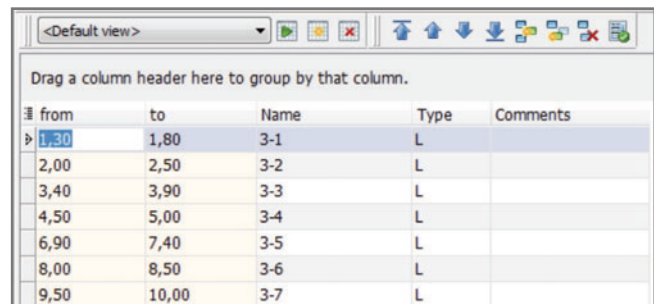
A multitude of settings for different data combinations can be individually saved and re-used. A separate toolbar is available:



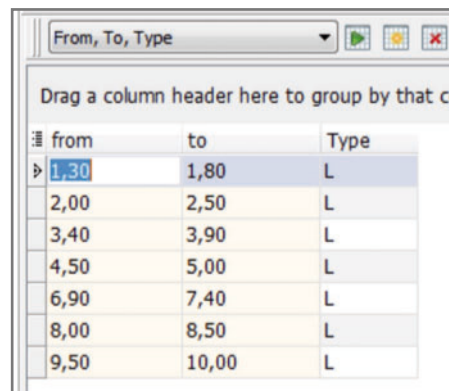
The drop-down menu allows the choice between saved views.

- The **<Default view>** defines a view whose settings are automatically saved upon closing the grid.
- The green **<Reset view>** button restores the view to default setting.
- The yellow **<Save current view>** button allows you to save the current view using an individual name, or overwrite an existing view. (*Note: If you make changes to a saved view and neglect to re-save these, they will be lost upon changing to a new object.*)
- The red **<Delete current view>** button removes the current view (e.g. when it is no longer needed).

The management of these settings is user-specific on each PC.



from	to	Name	Type	Comments
1,30	1,80	3-1	L	
2,00	2,50	3-2	L	
3,40	3,90	3-3	L	
4,50	5,00	3-4	L	
6,90	7,40	3-5	L	
8,00	8,50	3-6	L	
9,50	10,00	3-7	L	



from	to	Type
1,30	1,80	L
2,00	2,50	L
3,40	3,90	L
4,50	5,00	L
6,90	7,40	L
8,00	8,50	L
9,50	10,00	L

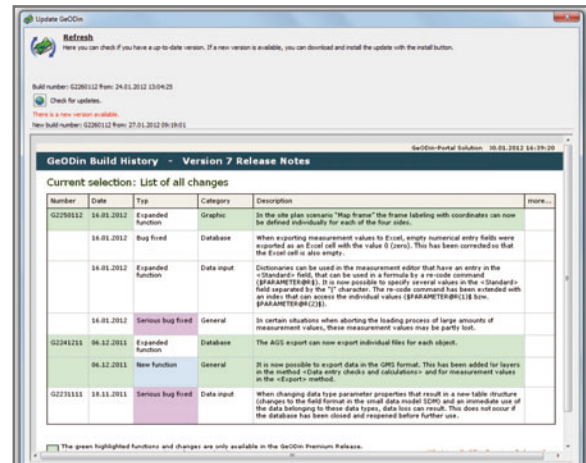
Managing settings

Important update notice

In certain situations when aborting the loading process of large amounts of measurements values, these measurement values may be partly lost.



In order to prevent such (very rare) occurrences please update your GeODin installation as soon as possible!



GeODin 7 Build Portal

Build Portal news

CSV export

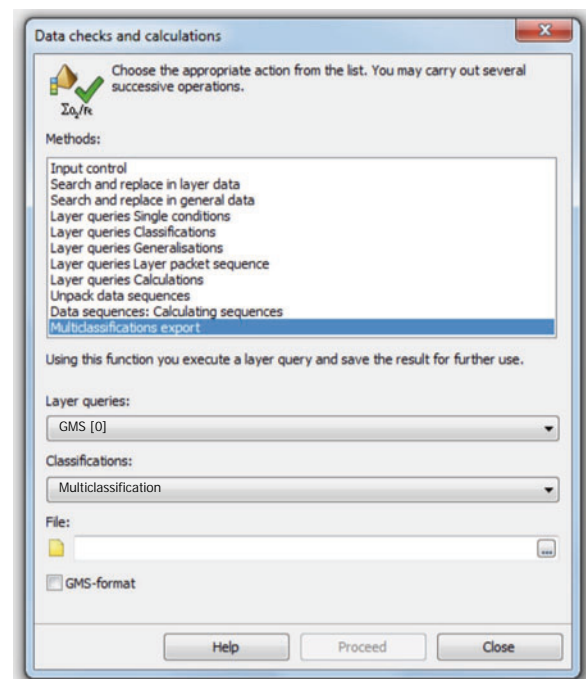
It is now possible to export classifications or multiple classifications as CSV files (comma-separated values). This export also has a GMS format option and can be used for layers, in the method **<Data entry checks and calculations>**, as well as for measurement values in the **<Export>** method.

Site plan scenario 'Map frame'

In the site plan scenario "Map frame" the frame labelling with coordinates can now be defined individually for each of the four sides.

Excel export

When exporting measurement values to Excel, empty numerical entry fields were exported as an Excel cell with the value 0 (zero). This has been corrected so that the Excel cell is also empty.



Data checks and calculations

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Visit our website to download all the Beyond Geology newsletters from March 2011.

