fugro

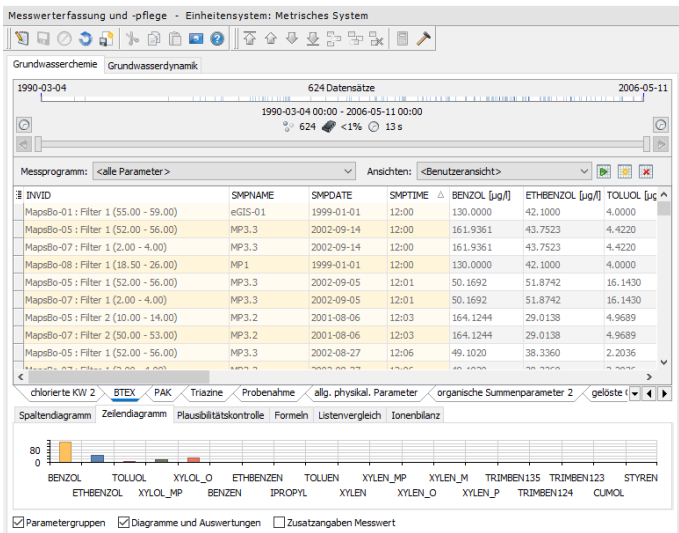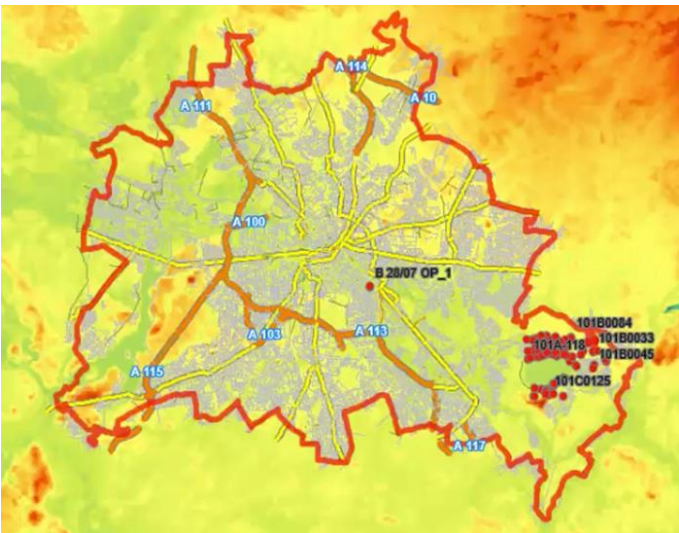# GeODin 9 – What's new?

GeODin 9 Feature overview

Data collection

Maps & layouts

More features

Go to object

This function takes the currently selected object in the grid view and opens its' detailed data collection masks in the data management method.

Hide/show all columns

Right-clicking allows users to select/de-select every column in the grid view.

Create object group

Import general data

Update data sequences

Add objects with multiple layer descriptions

Publications

Publications
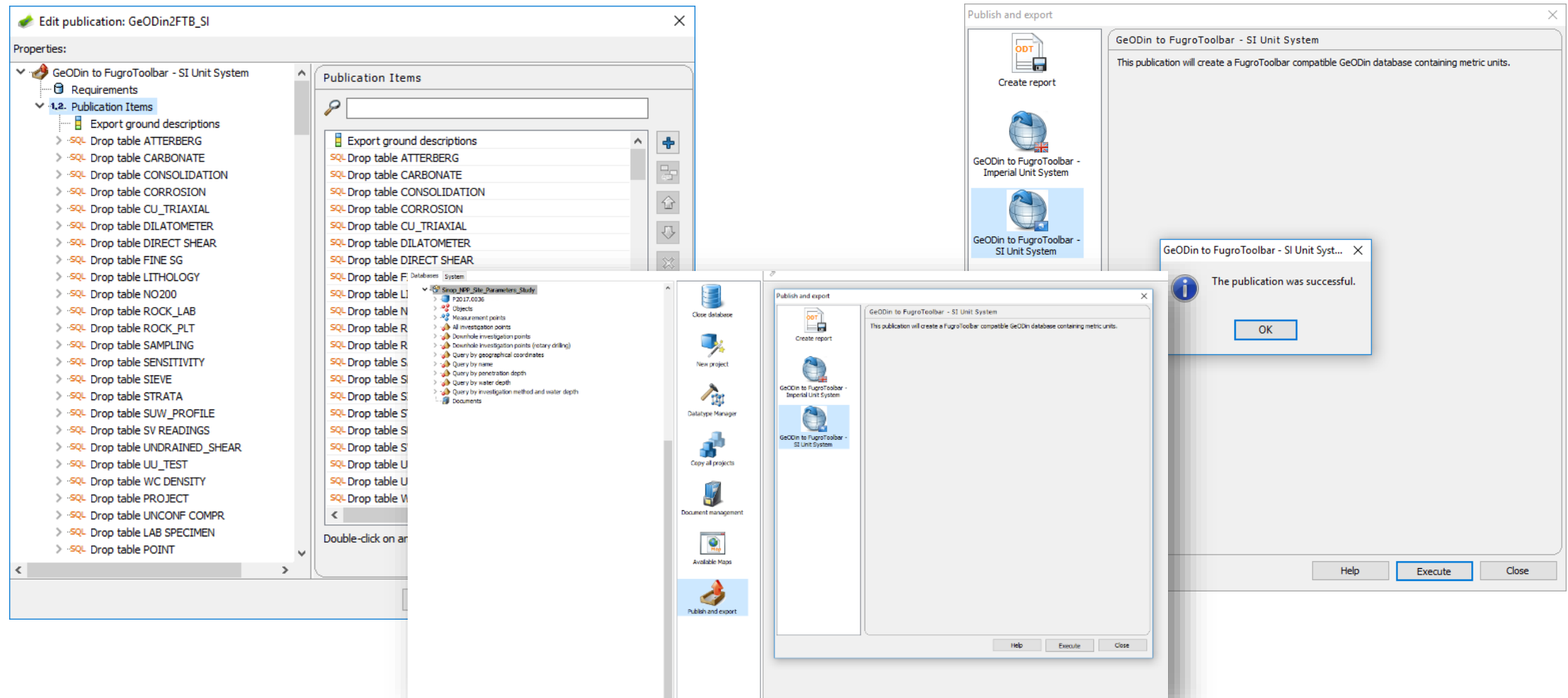
Further improvements

Memory optimization

- Memory requirement optimization for the general data grid.
- Significantly more objects can be loaded from a query/group than before. Depending on the object type and the scope of the general data, the quantity has been increased at least x10.

Importing object groups

- Create object groups in the GeODin Object Manager based on import file specifications.
- Information in the import file (e.g. name, coordinates etc.) is compared with the data in the database, and suitable data records are then inserted into the newly created group.

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Time range controller

Unit conversion

Formatting numerical values (1)

@.2	Defining the number of decimal places		
$Datafield$	-> 8.23	$Datafield@.1$	-> 8.2
@cutdec	Defining the number of significant decimal places		
$Datafield$	-> 3.000	$Datafield@cutdec$	-> 3
@ds.	Defining the decimal separator		
$Datafield$	-> 8.23	$Datafield@ds.$	-> 8.23
@e	Presentation in scientific notation		
$Datafield$	-> 112.20	$Datafield@e$	-> 1.122E+2
@a	Recalcuation of borehole starting elevation		
$Datafield$ (with ZCOORDB =10)	-> 1.50	$Datafield@a$	-> 8.50

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Formatting numerical values (2)

@p	Always show data field as a positive value, even if negative in the database		
$Datafield$	-> -8.23	$Datafield@p$	-> 8.23
@+	Add a + sign if a value is positive or zero		
$Datafield$	-> 8.23	$Datafield@+$	-> +8.23
@*Faktor	Multiply the datafield content with a factor		
$Datafield$	-> 8.23	$Datafield@*2$	-> 16.46
@grd	Transform decimal degrees to degrees minutes and seconds		
$Datafield$	-> 123.456377	$Datafield@grd$	-> 123°27'22".9572
Combination:			
$Datafield$	-> 8.23	$Datafield@.1+ds.$	-> +8.2

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Extending the formula syntax

Formulae can now be defined that base their calculations on three interlinked data entry fields.

Example: Field 3 uses a formula that is based on values in fields 1 and 2. If the value of field 3 is changed then the values of fields 1 and/or field 2 may also be recalculated.
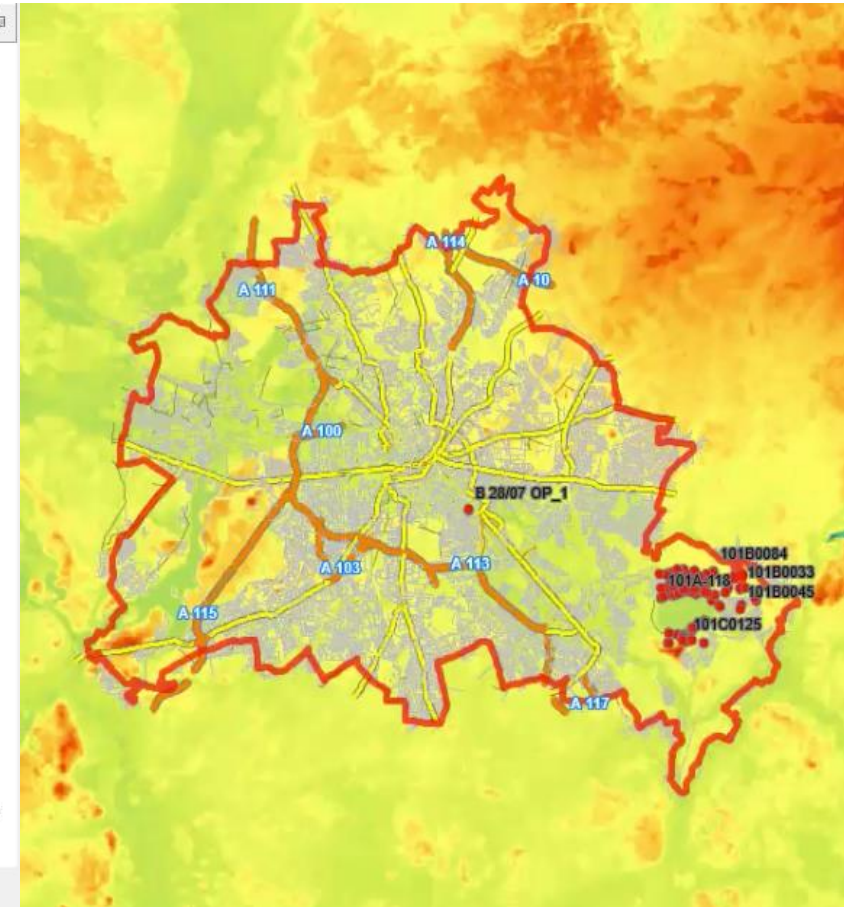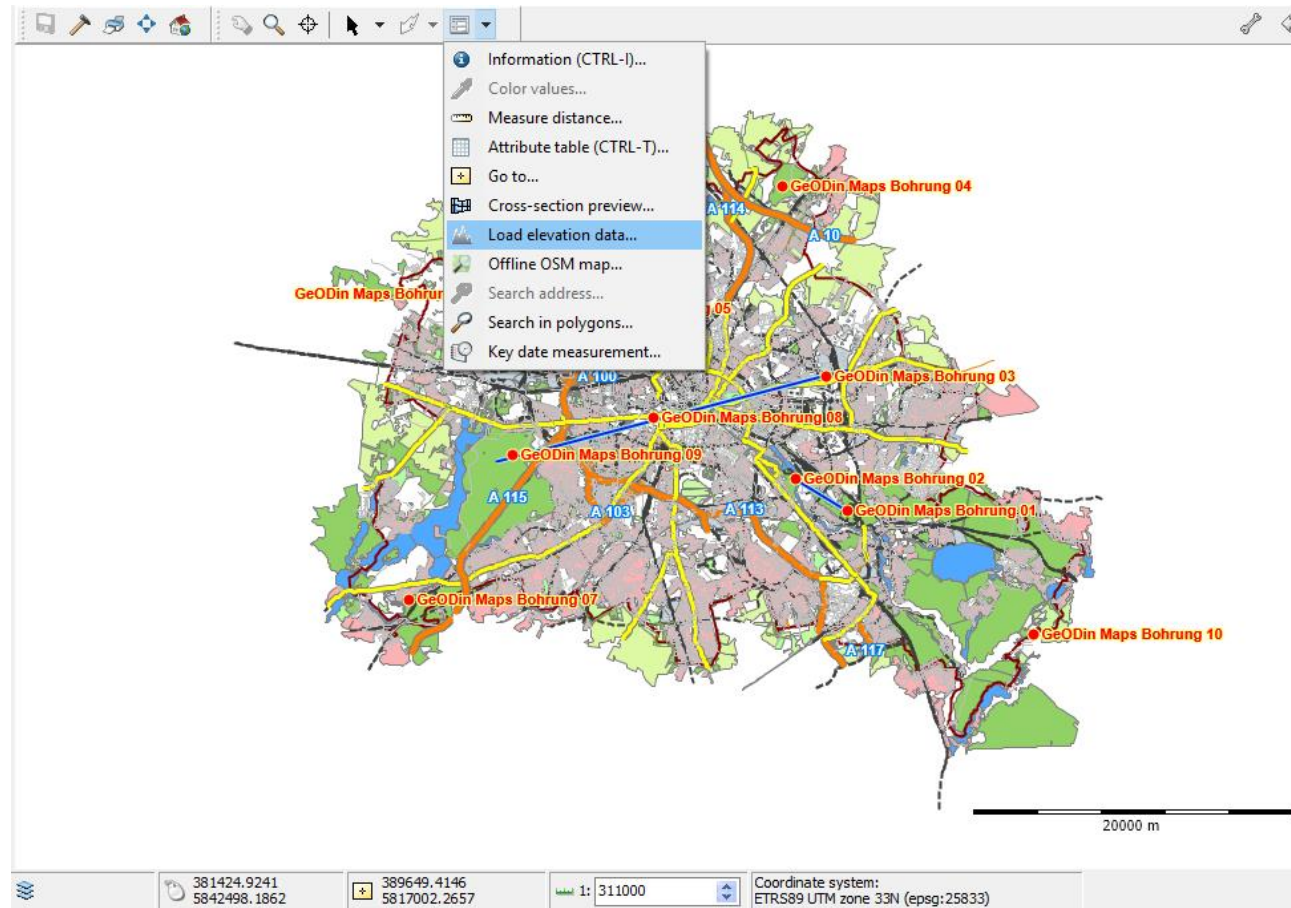
Highlander plausibility

The so-called highlander plausibility* is a new function in the macro-parser for formulae and plausibility which is relevant to the number of data sets.

$Count>DAT:PARAM$ returns the number of data sets in a data type for the current measurement point. By using a condition the number of data sets can be reduced further:
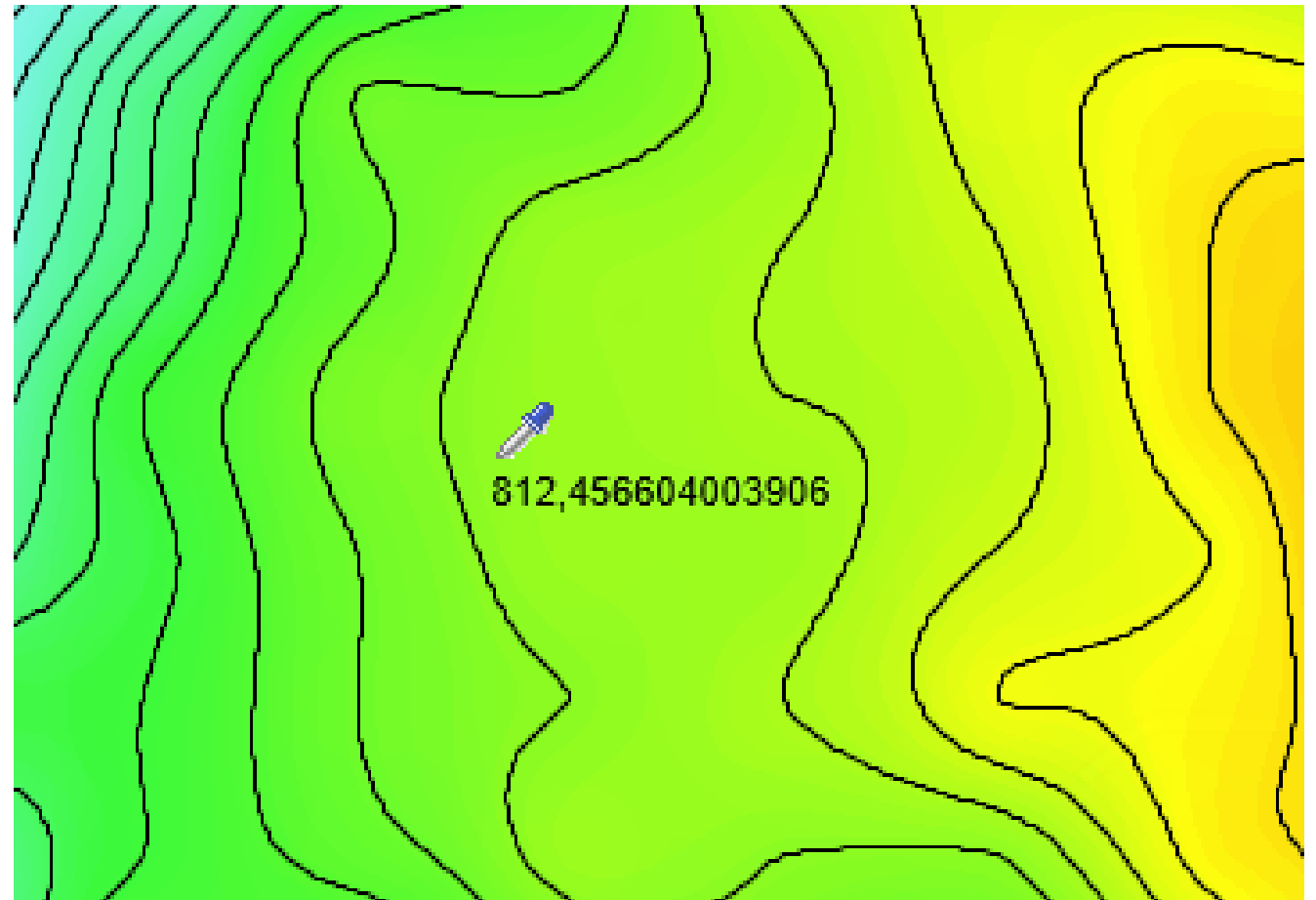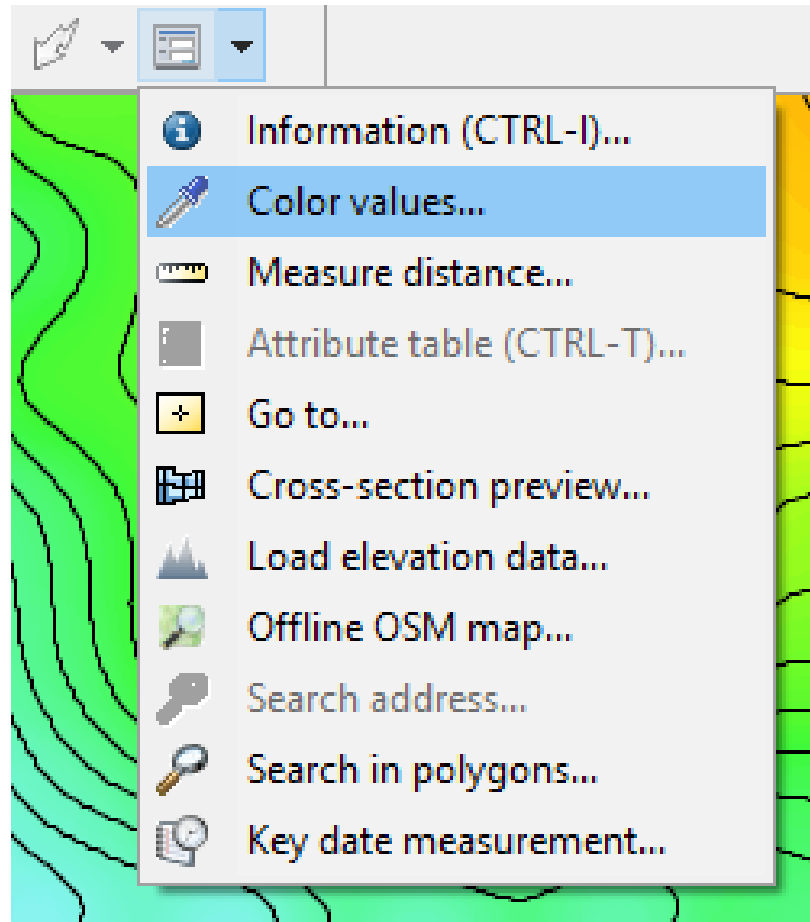$%COND[#PARDICT#=,pb']Count>01P:PARDICT$

The example shows the number of data sets that contain the entry pb in the field PARDICT, whereby this condition is only allowed to occur once per measurement point.

(* "There can be only one" is the belief and motto among the immortals
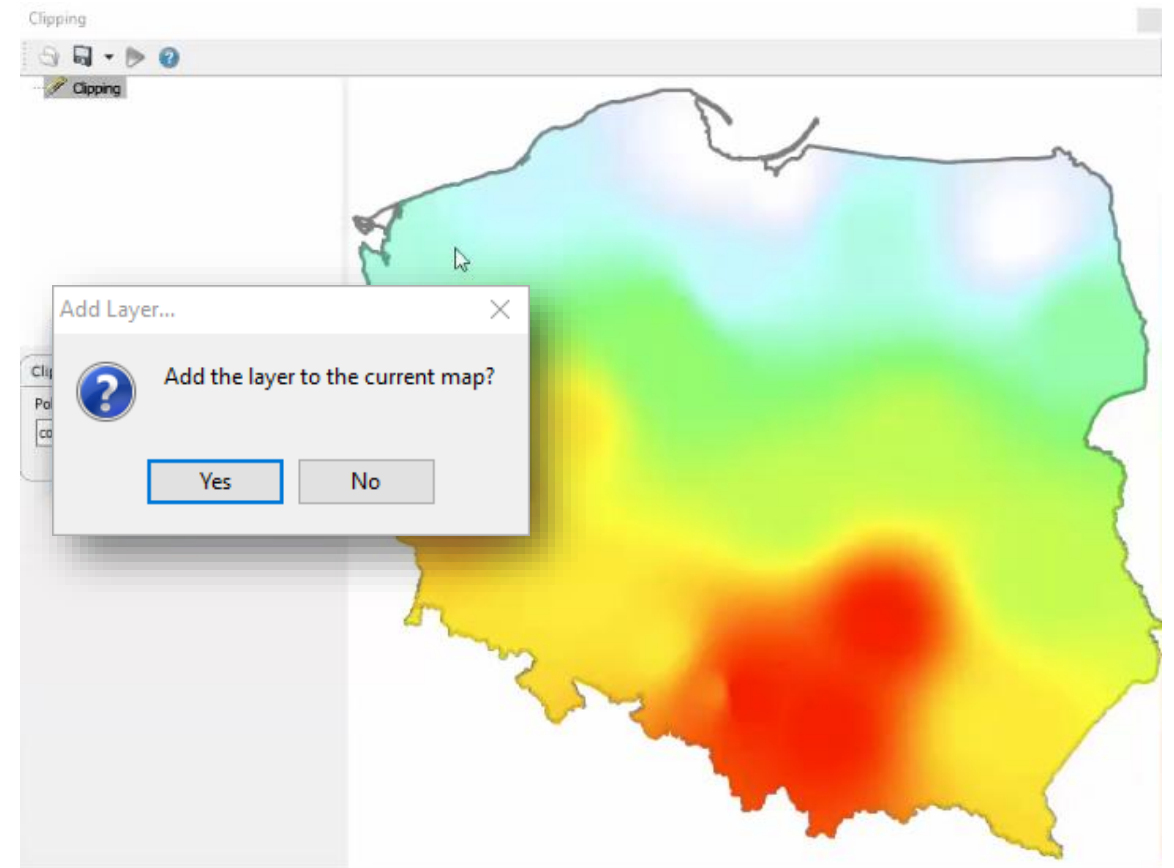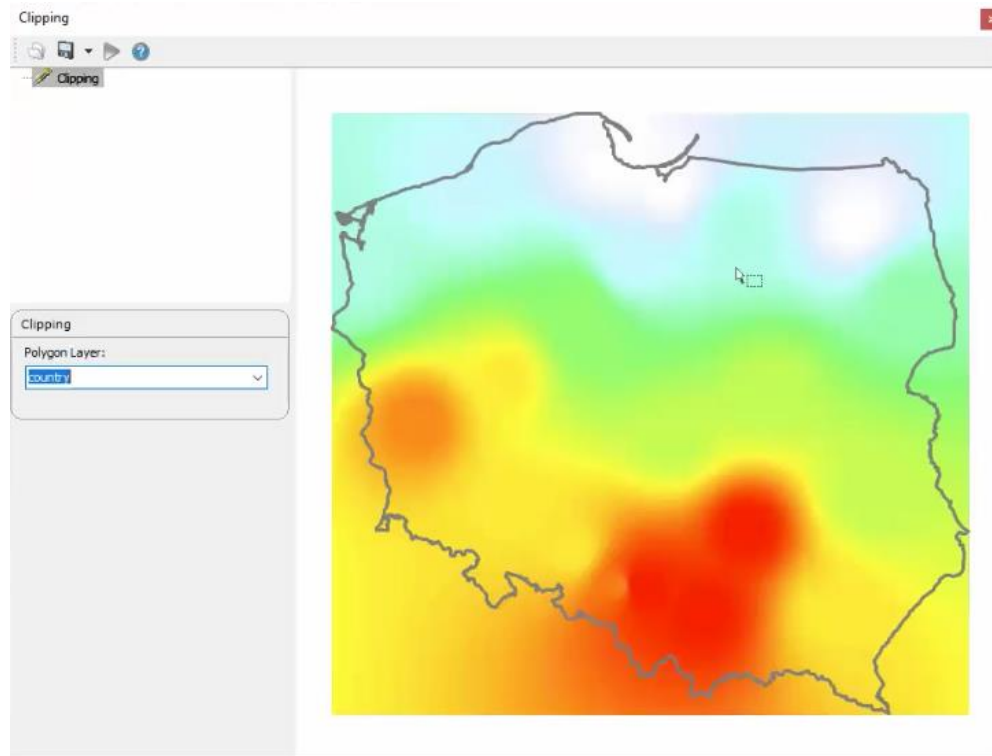   in the original Highlander film :-)
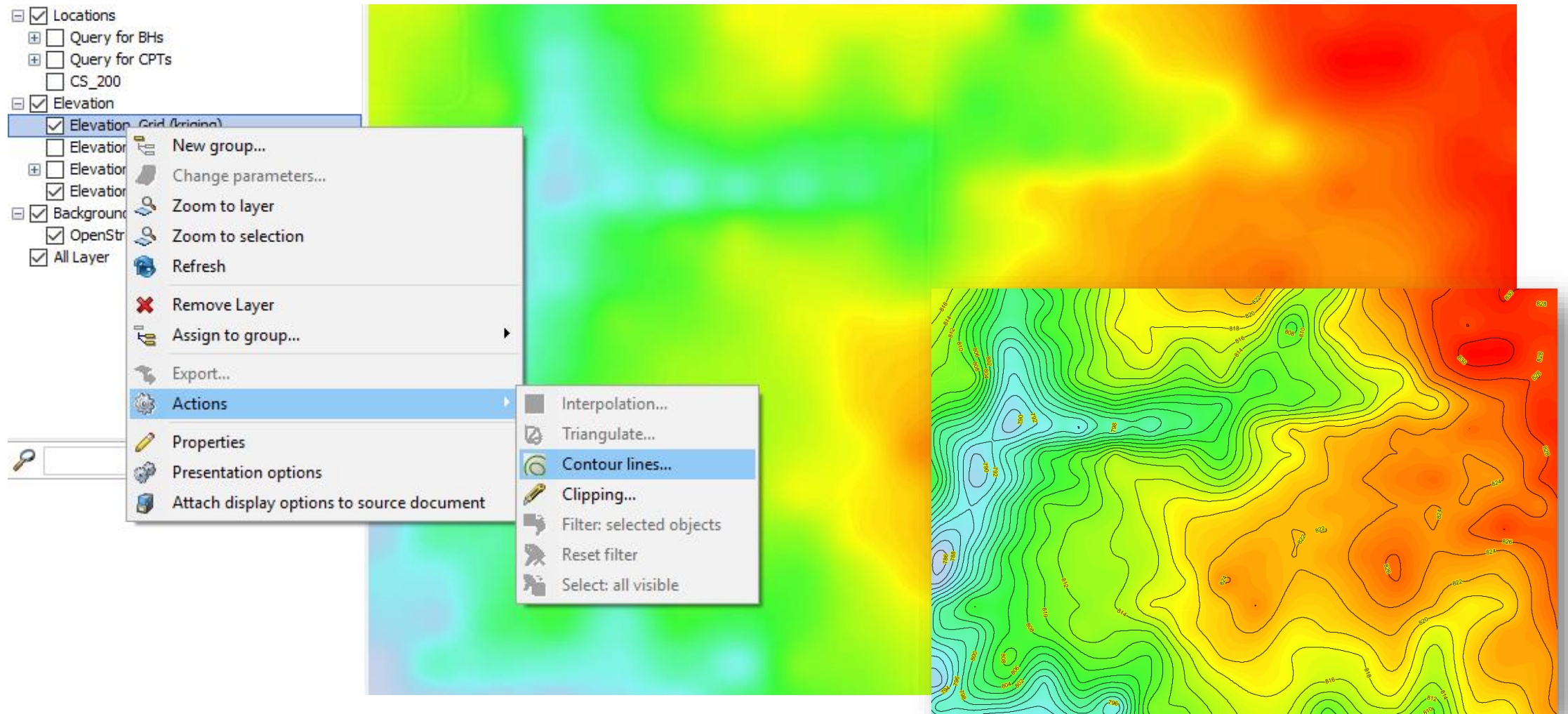
Loading elevation data
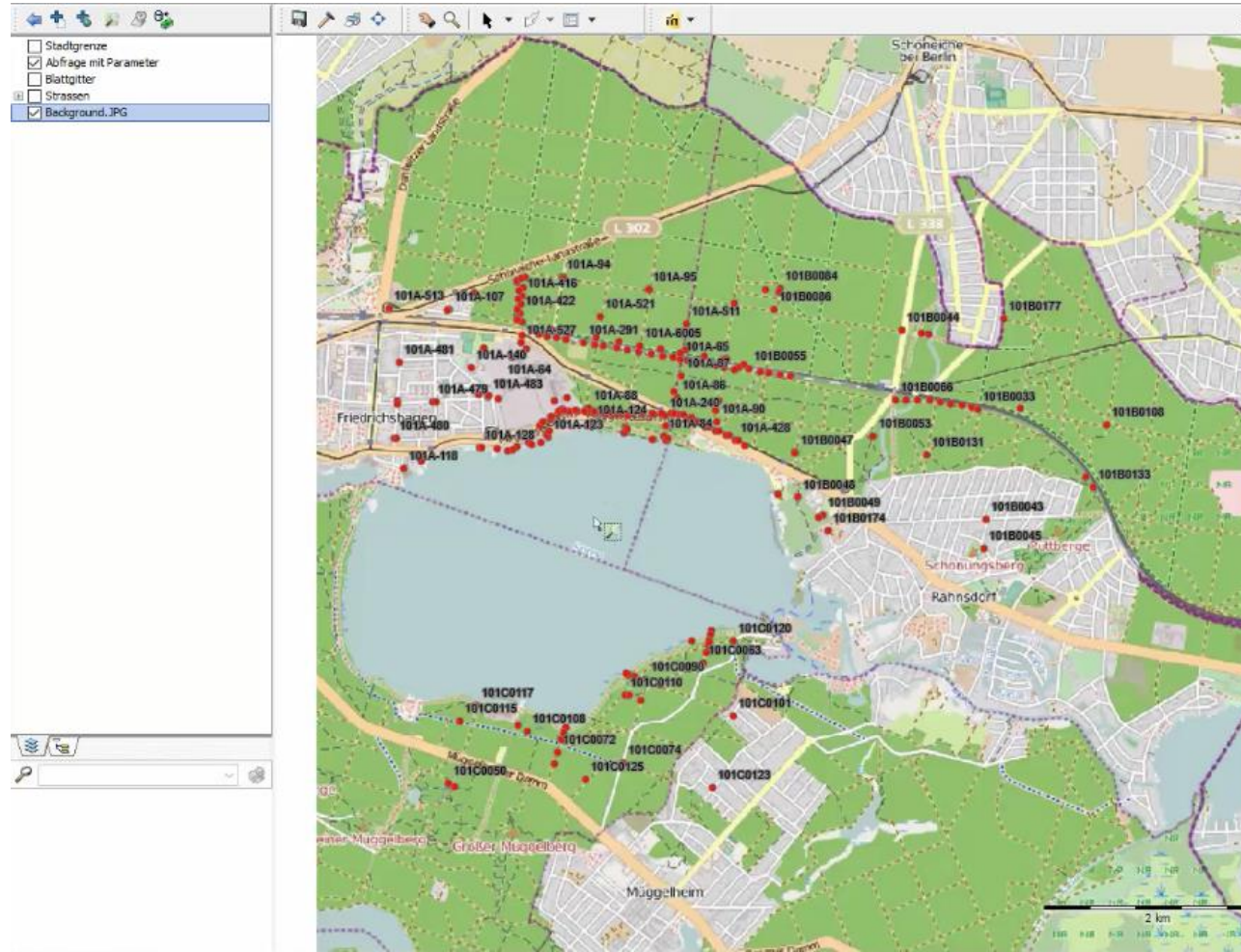
Native values from pixel layers

Clipping

Contour lines

Offline OpenStreetMap (OSM)

Map start view

WMS-Layer
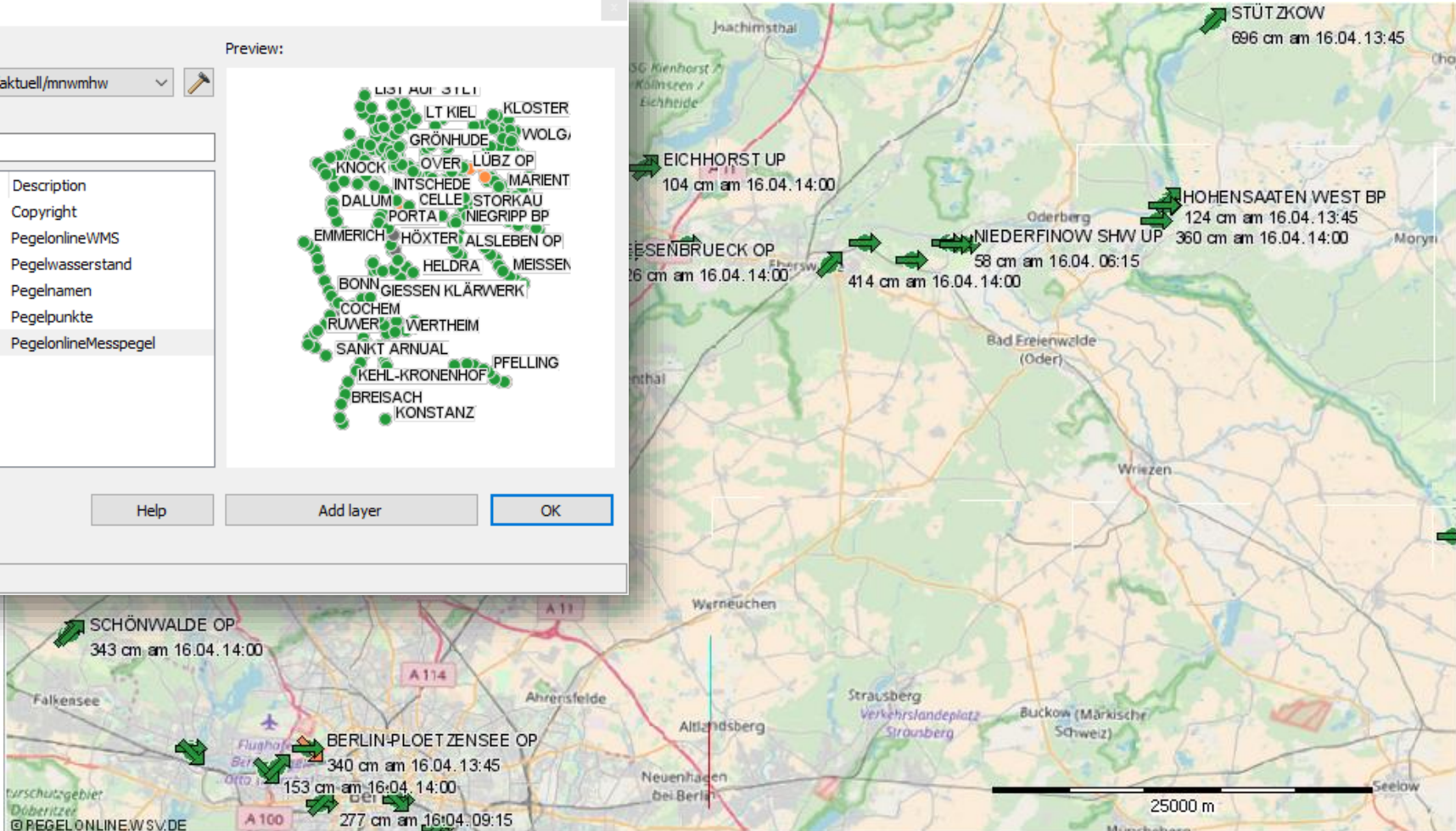
Selective object filtering

Searching in defined areas

Marker

Distance measurement
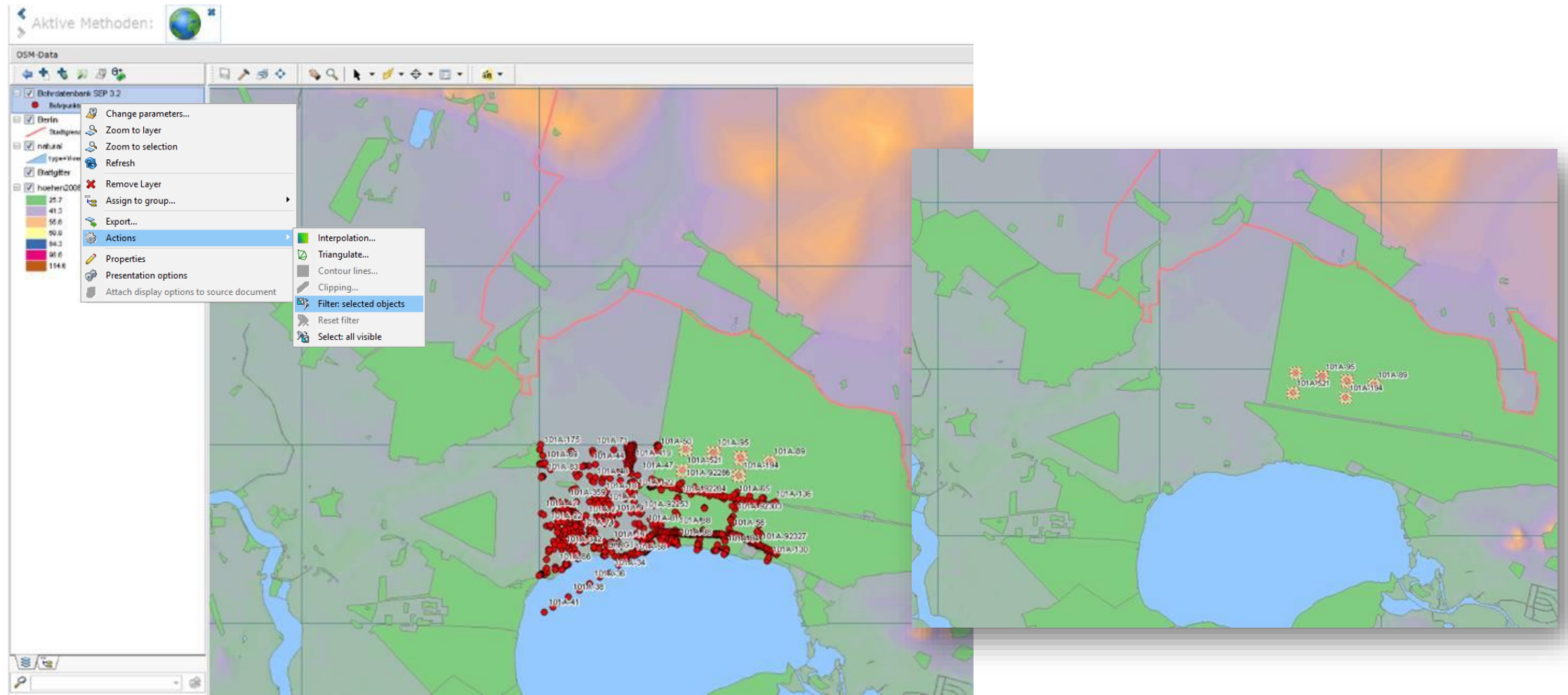
Maps with overlays (mini graphics)

Maps with overlays (mini graphics)

Triangulation

Verfahren: Delauny (links) und Voronoi (rechts)
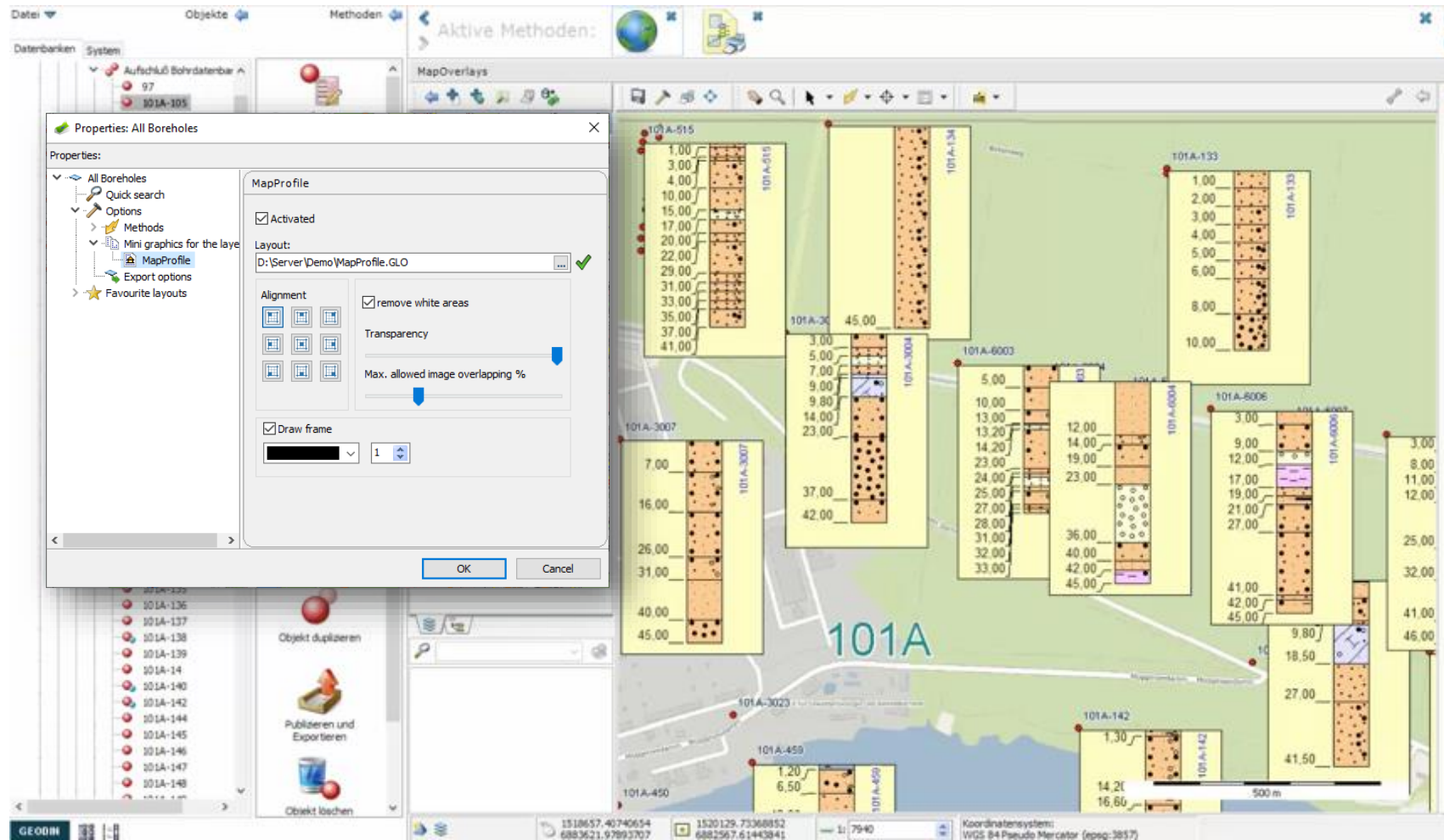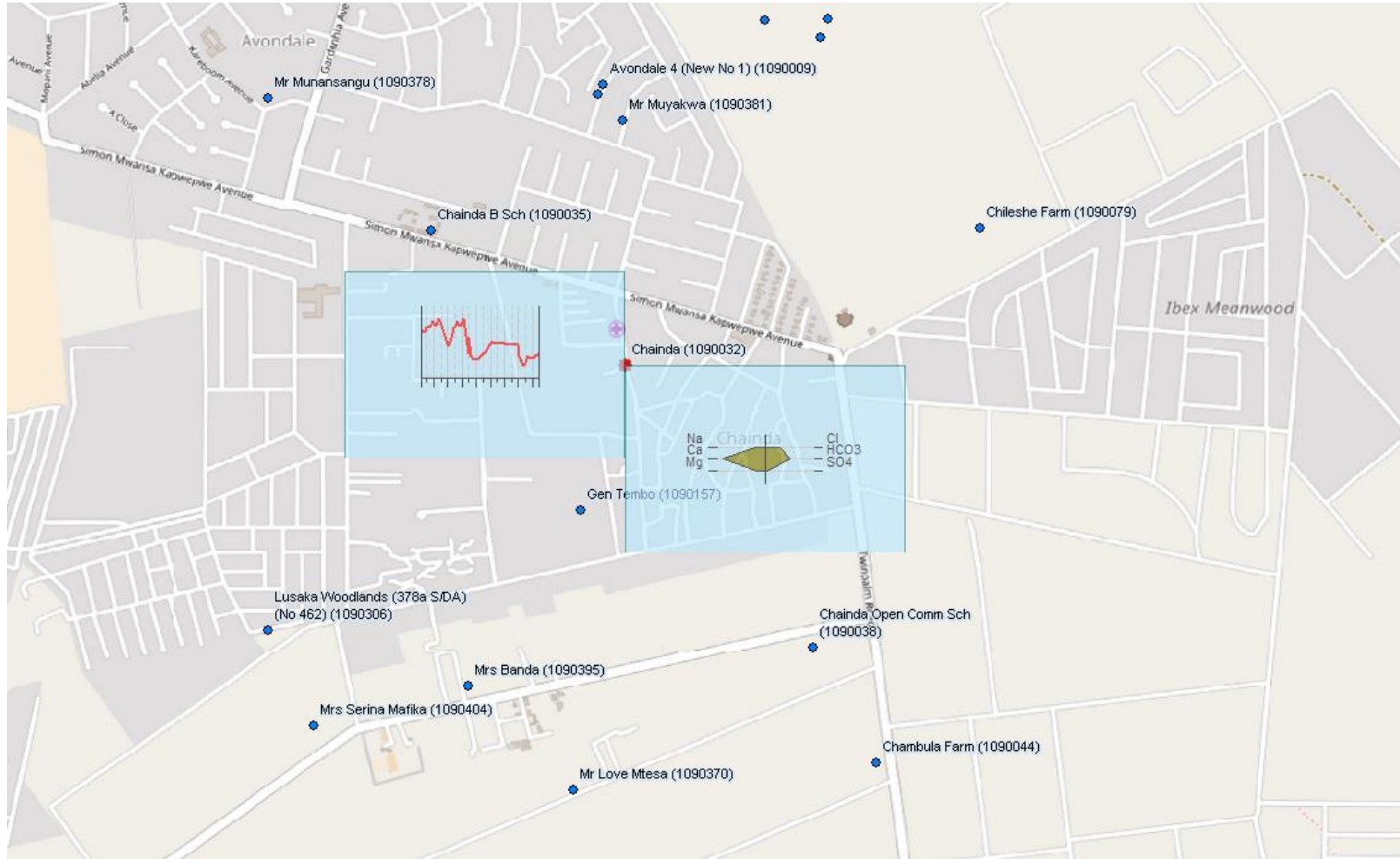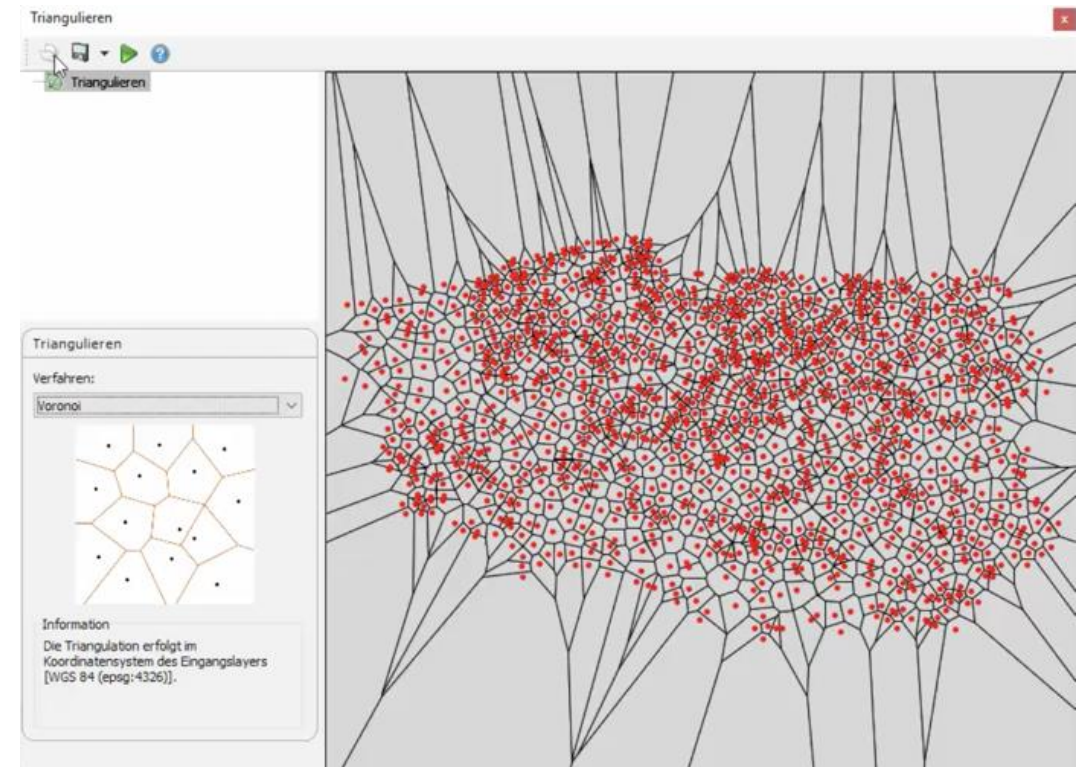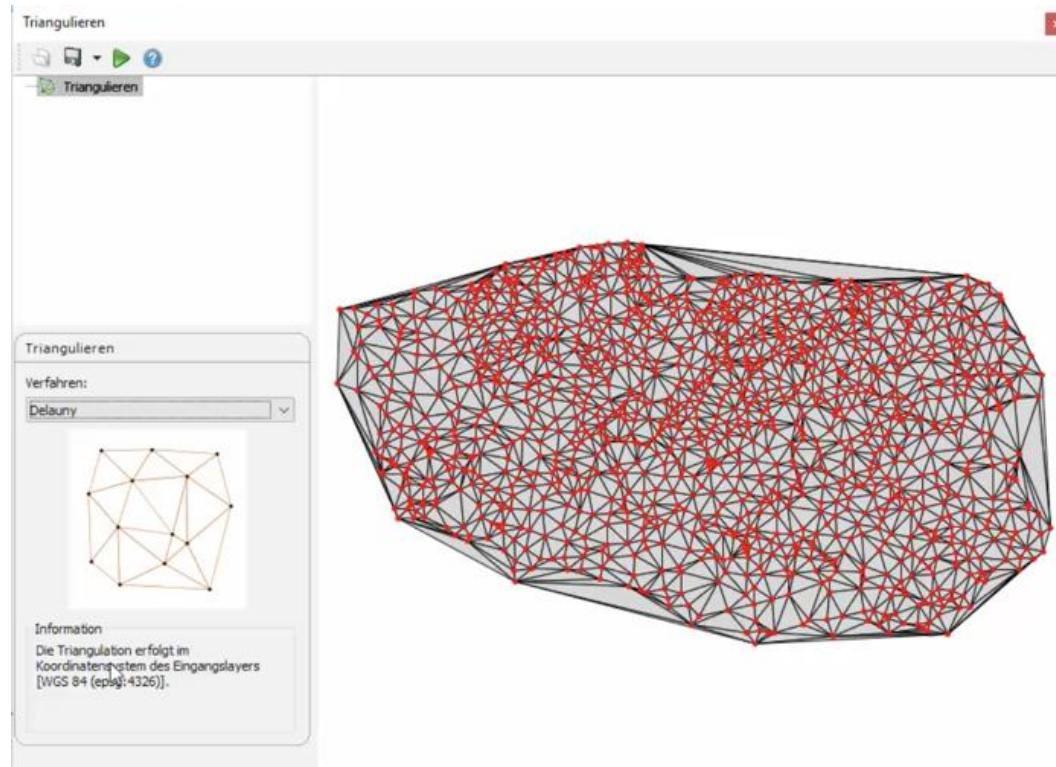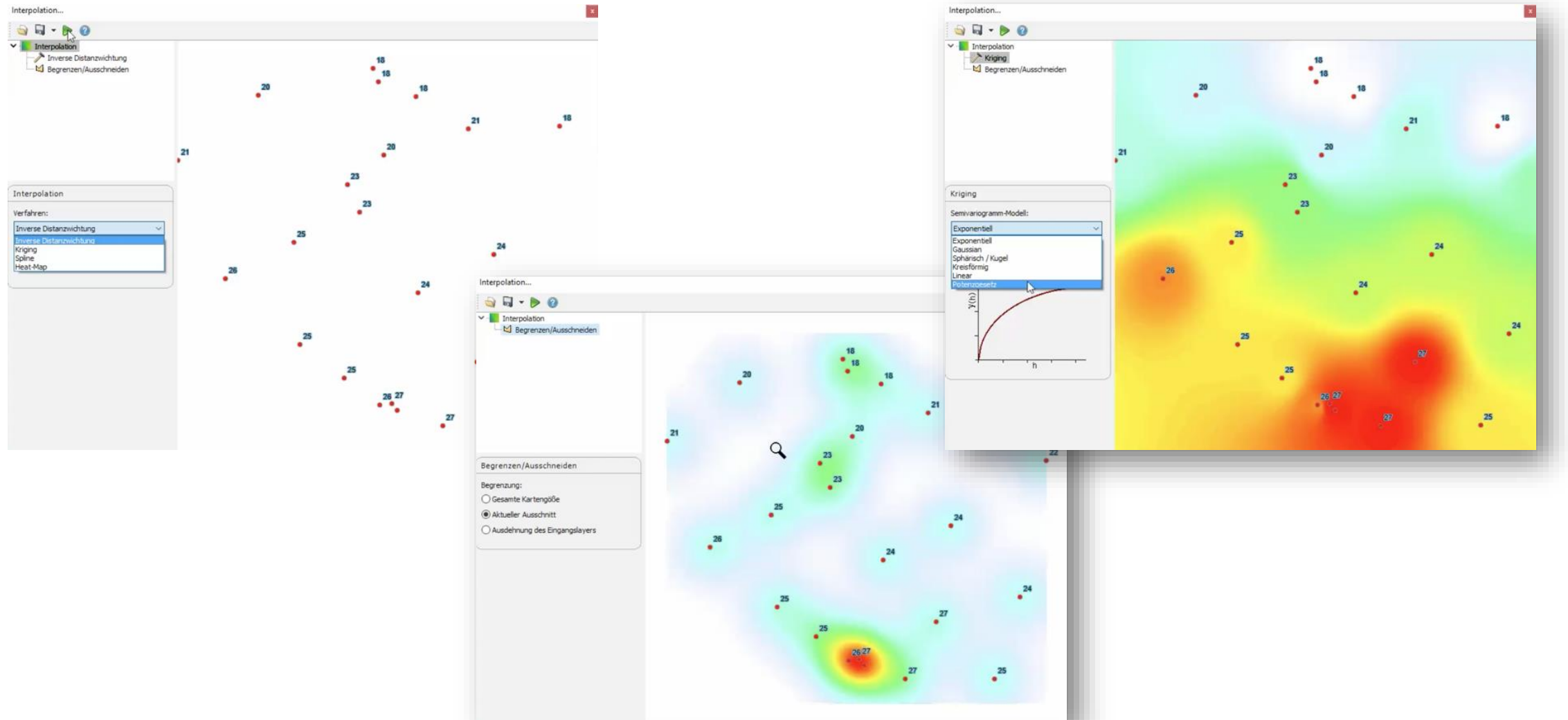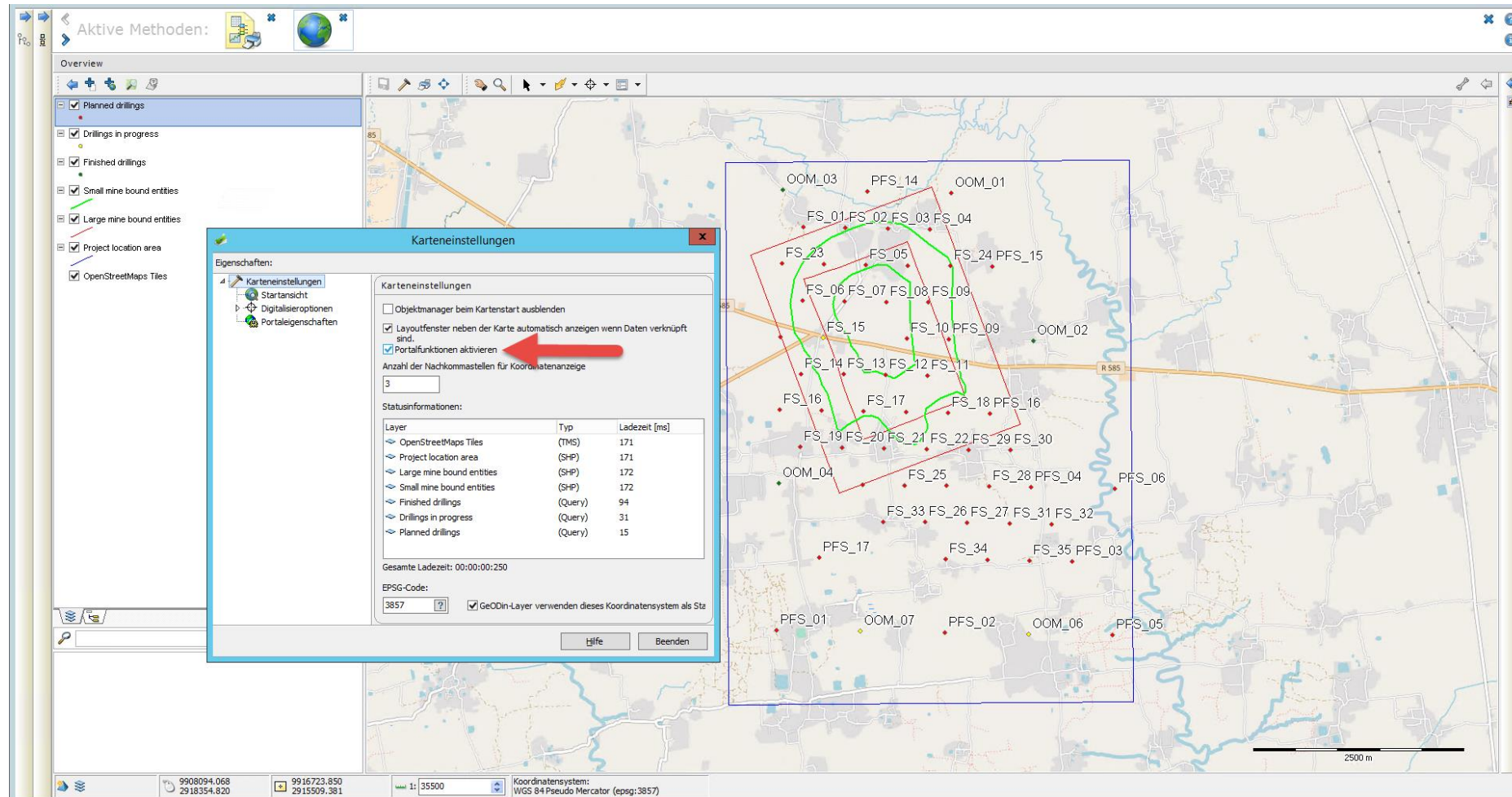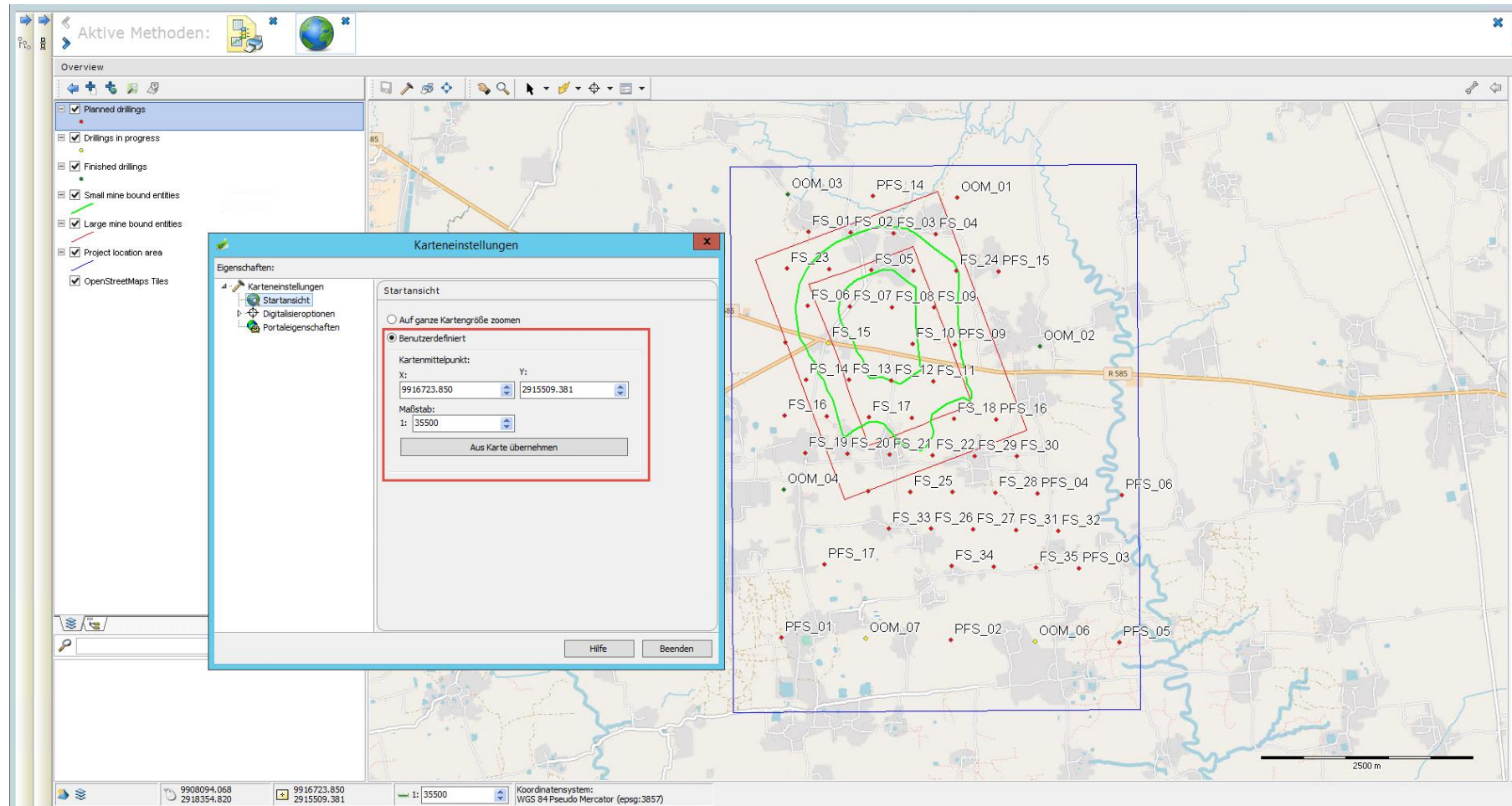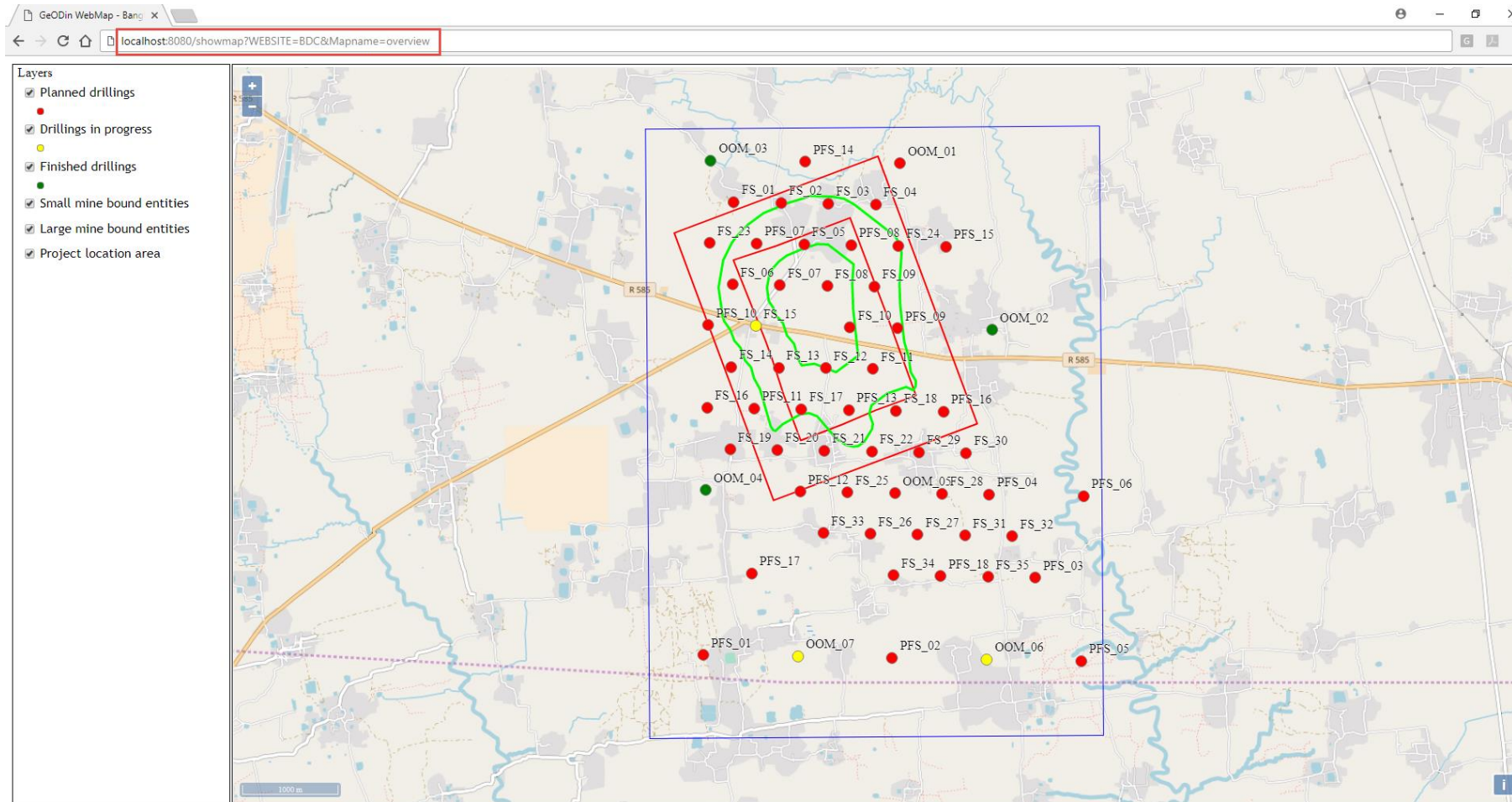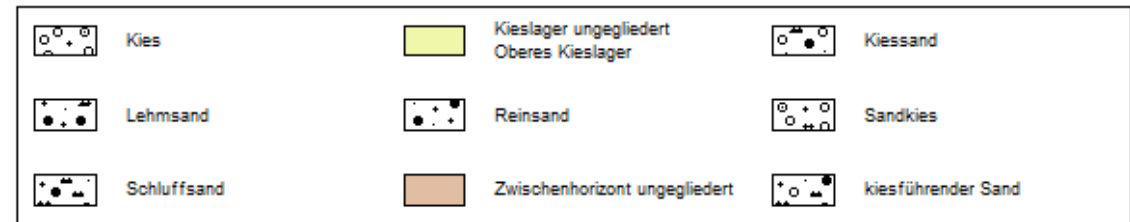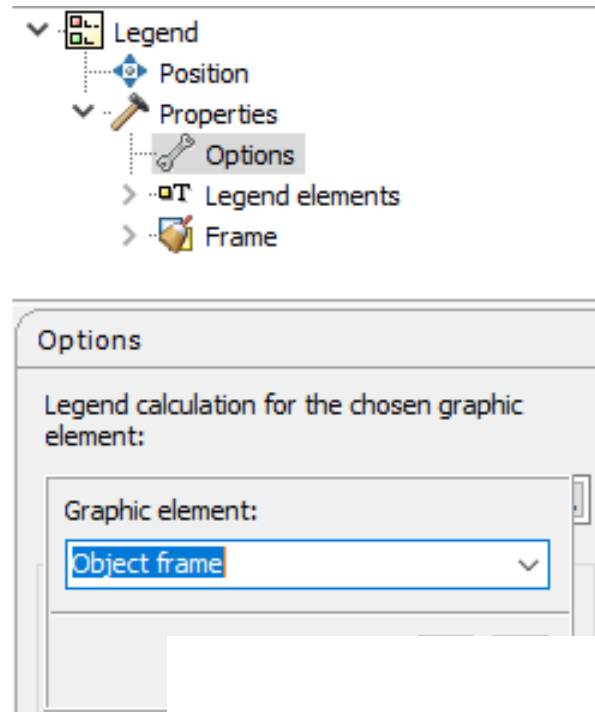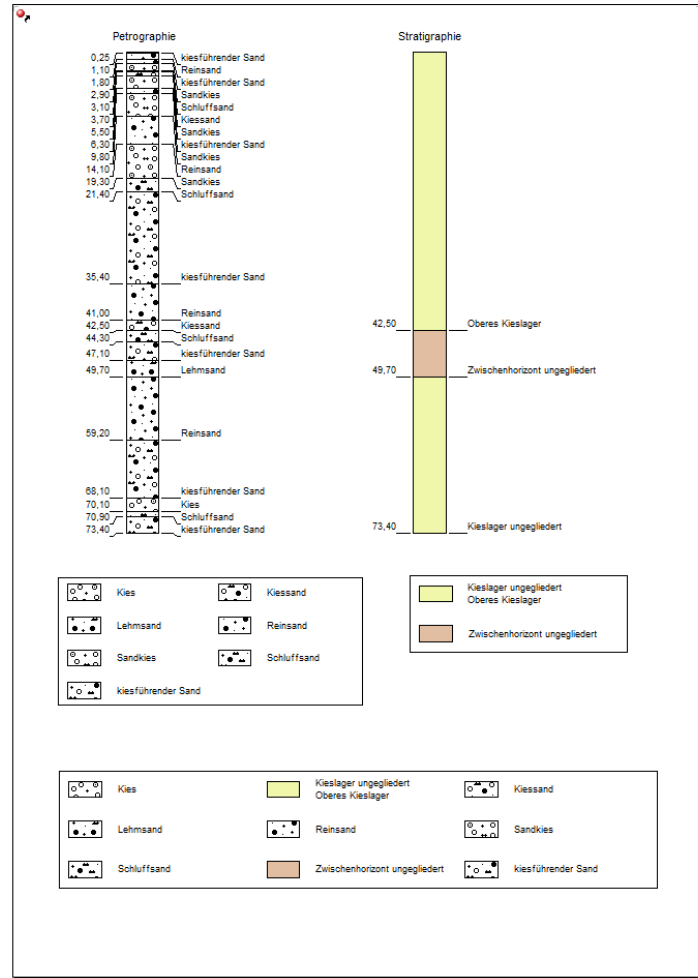
Interpolation

Map in WebGIS

Map in WebGIS

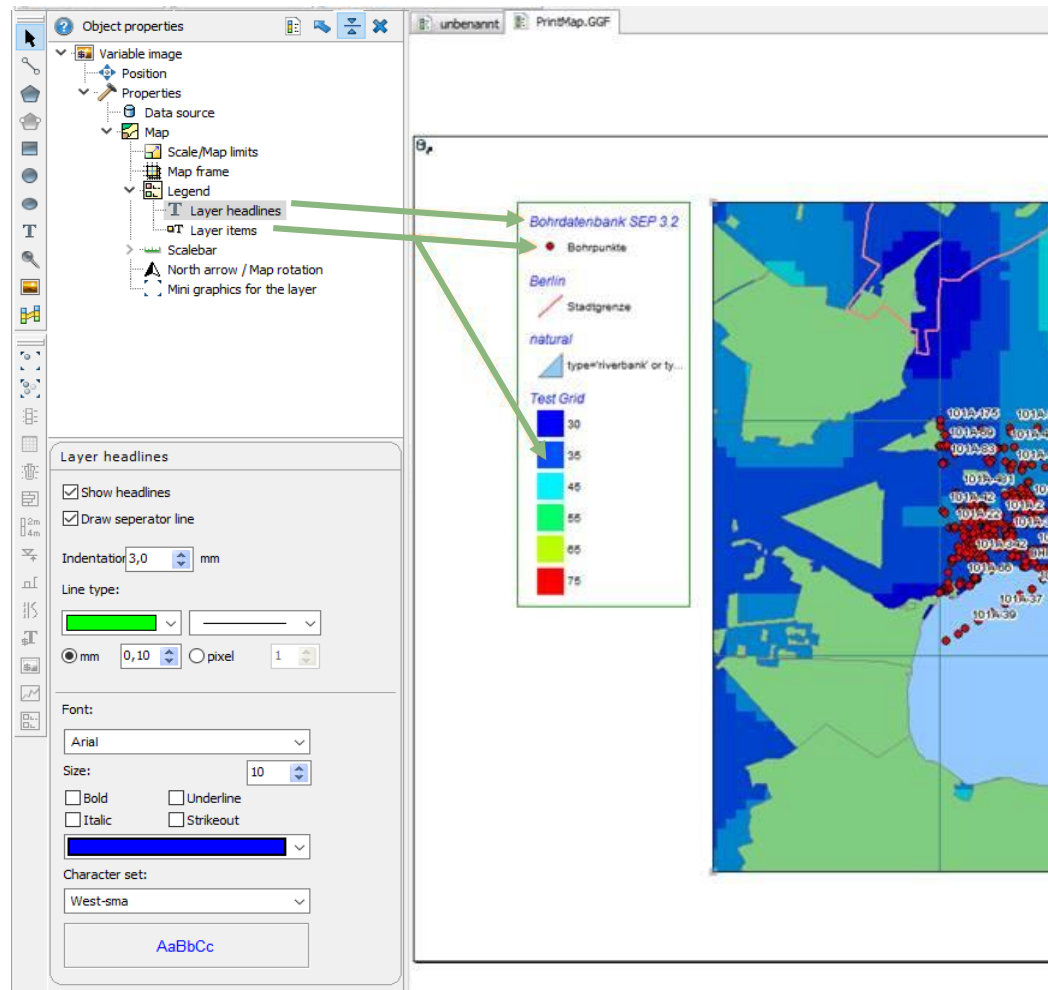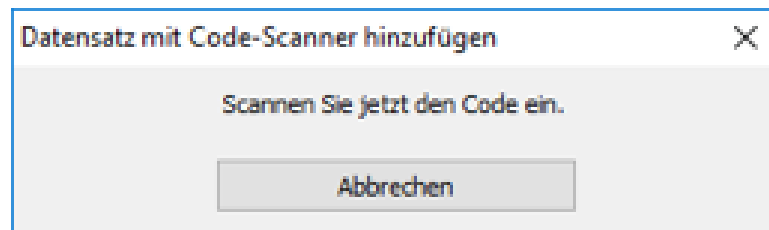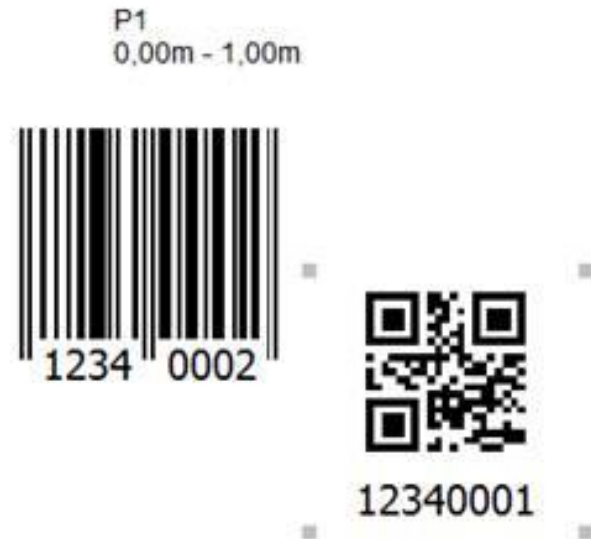# Map in WebGIS

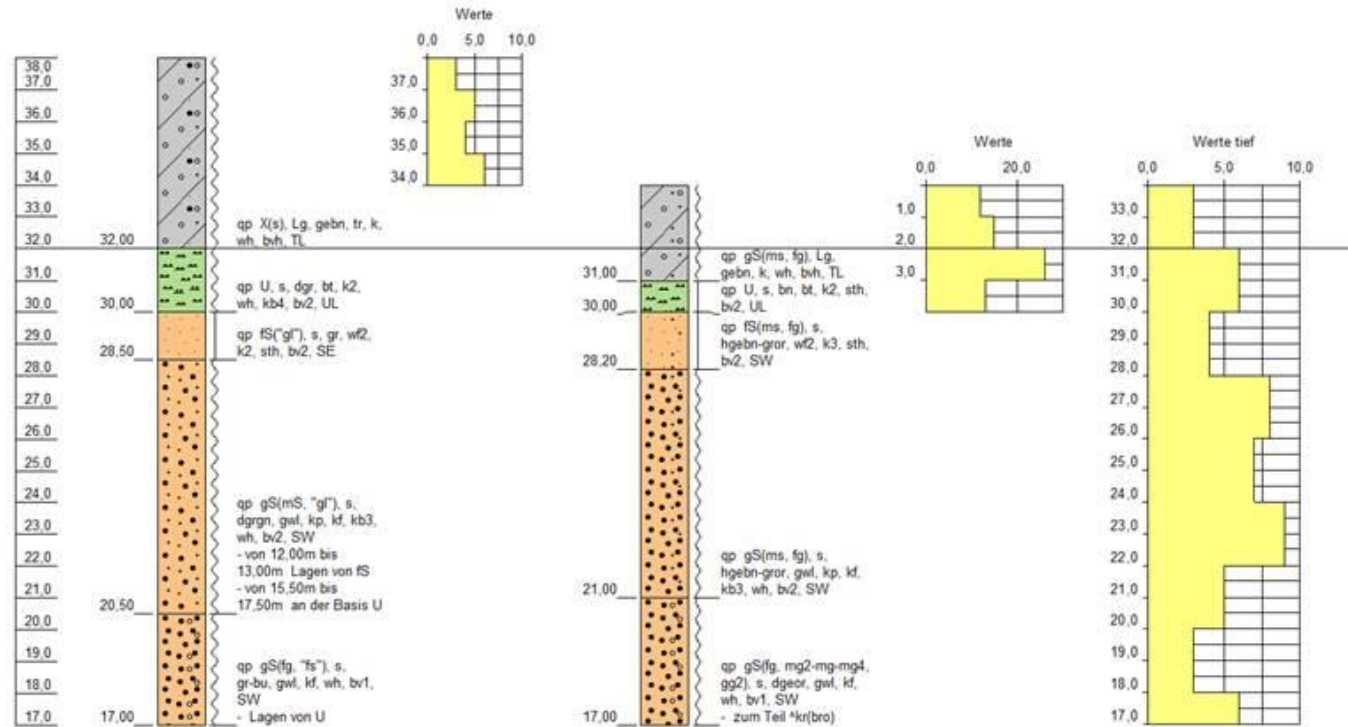# Legends for several profiles
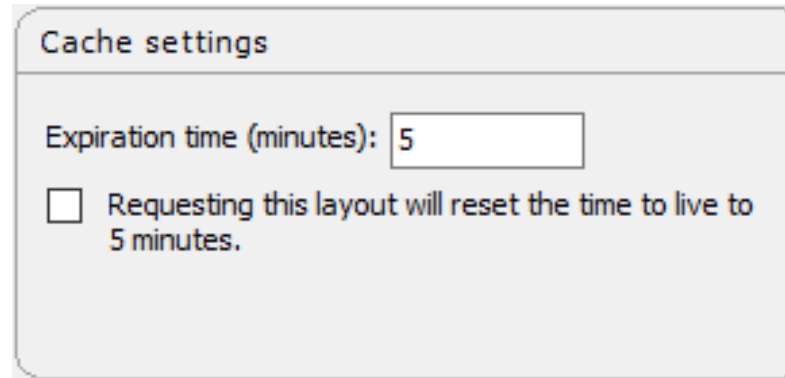
Map legends in layouts

Barcode and QR codes

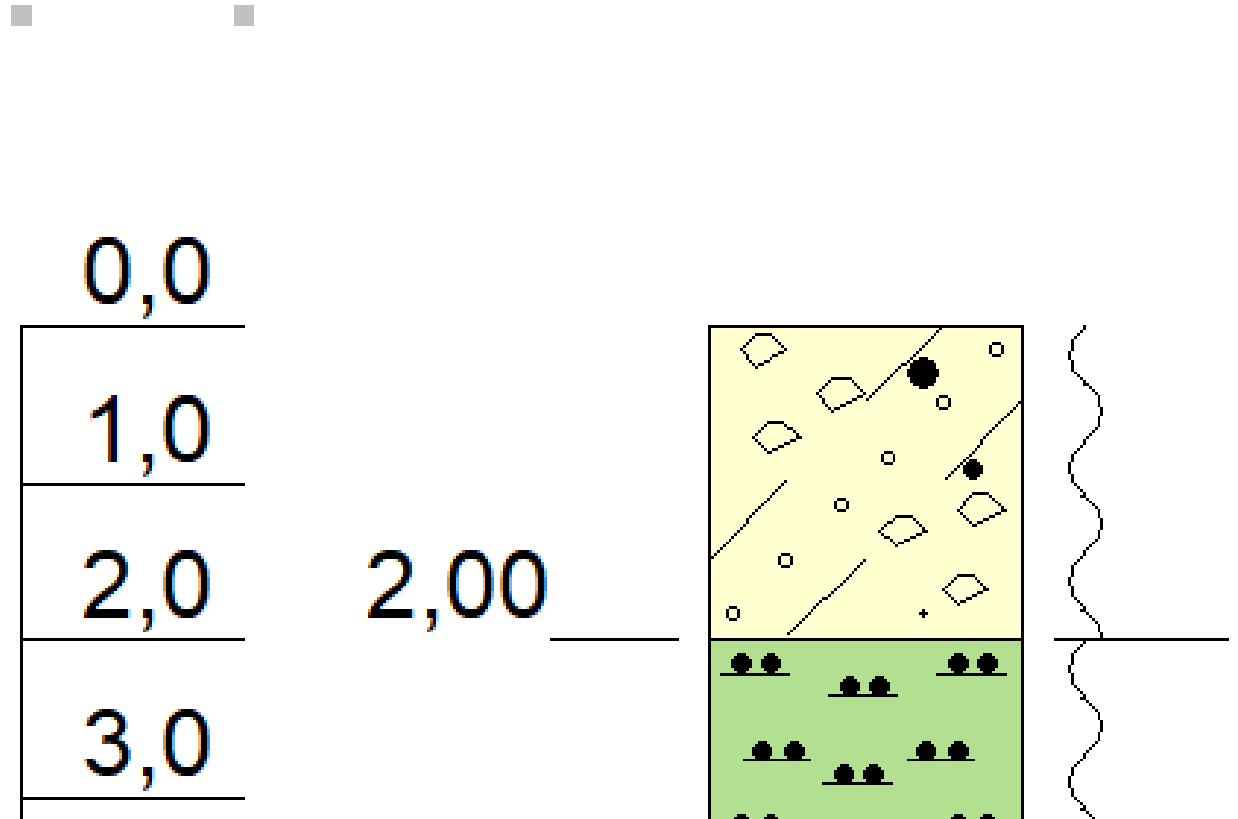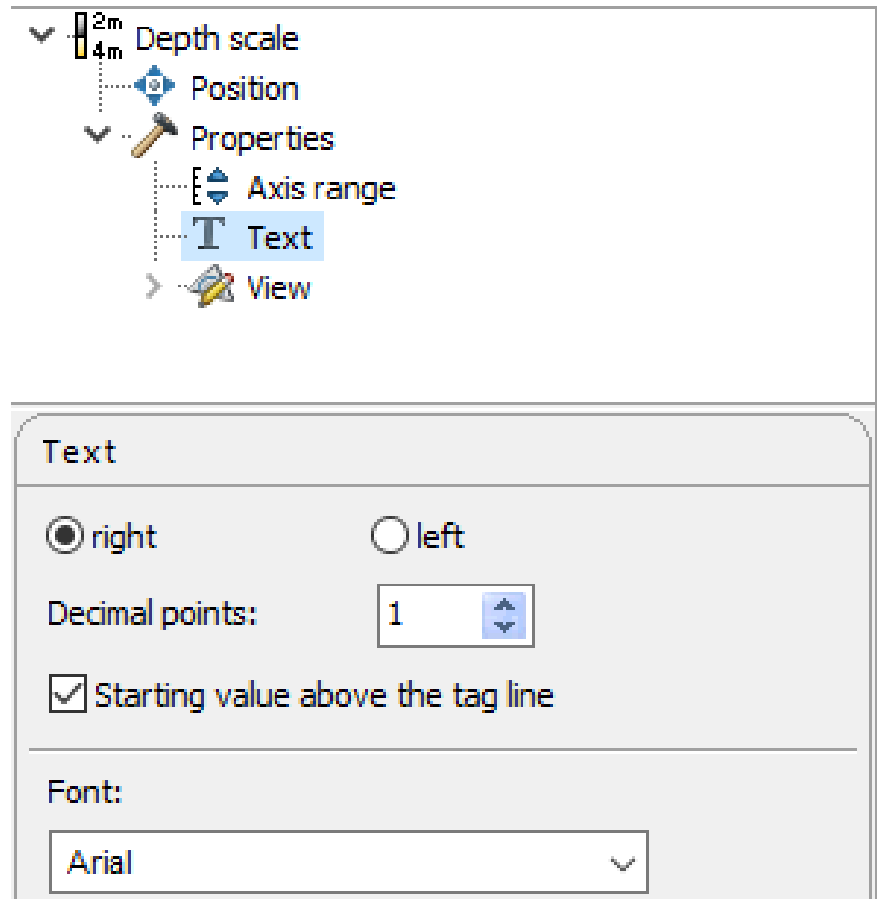| Name	Ergebnisse	ID	Barcode	Foto
P1		12340001	12340001	
P2		12340002	12340002	
P3	Betonangriffsgrad, einachsige Druckfestigkeit des gestörten Bodens, Porenanteil bei lockerster Lagerung, Wassergehalt an der Ausrollgrenze	12340003	12340003	
P4				

Data sequence grids in cross-sections

Cache settings for portal layouts
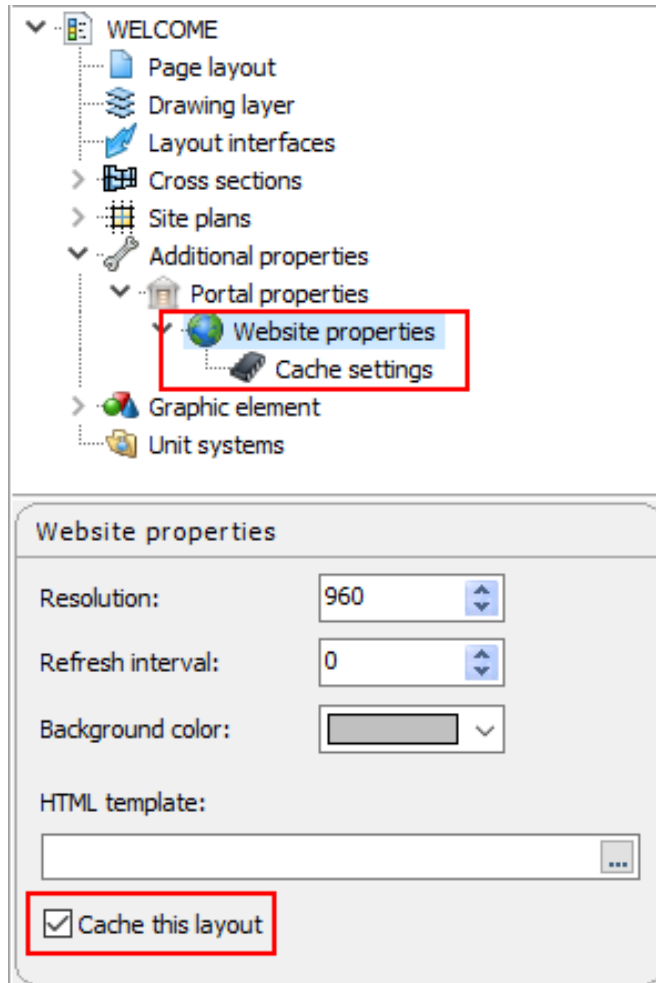
Starting value for depth scale

Labelling macro: $%HDIN$
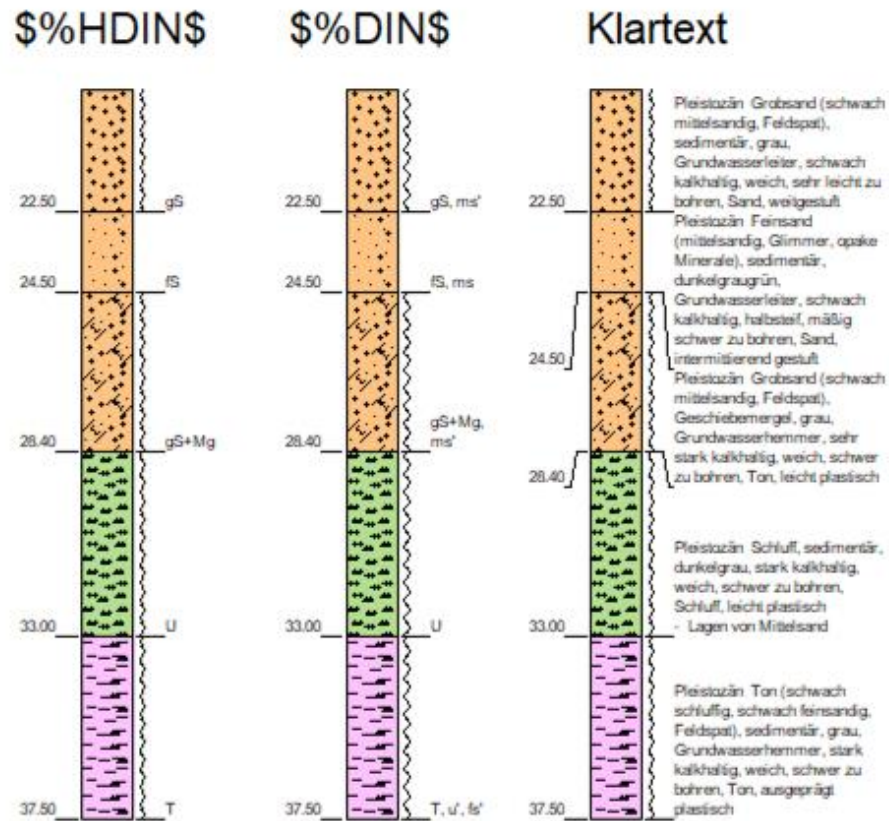
Copy projects with multiple layer descriptions

Contact us

Questions, feedback & new ideas?

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