



Von ArcGIS zu QGIS und zurück

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- Neuerungen im MapQonverter
- QGIS-Projekte in ArcMap importieren

Was ist der MapQonverter?

- Brückentechnologie
- Eine Python-Toolbox für ArcMap
- Exportiert ein ArcMap-Projekt als QGIS-XML-Datei
- Inspiriert von einem Script von Allan Maungu 2011

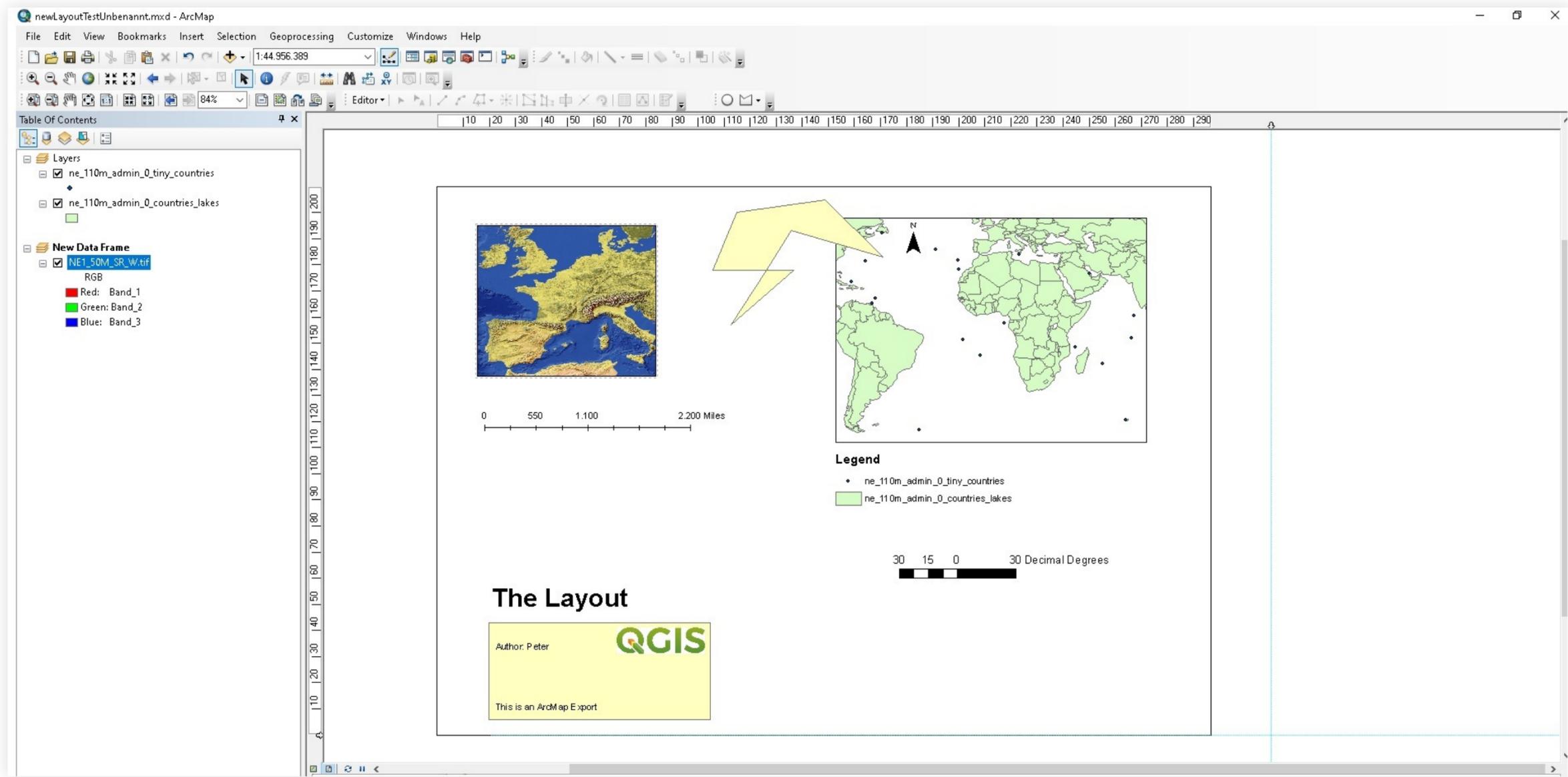


Neuerungen

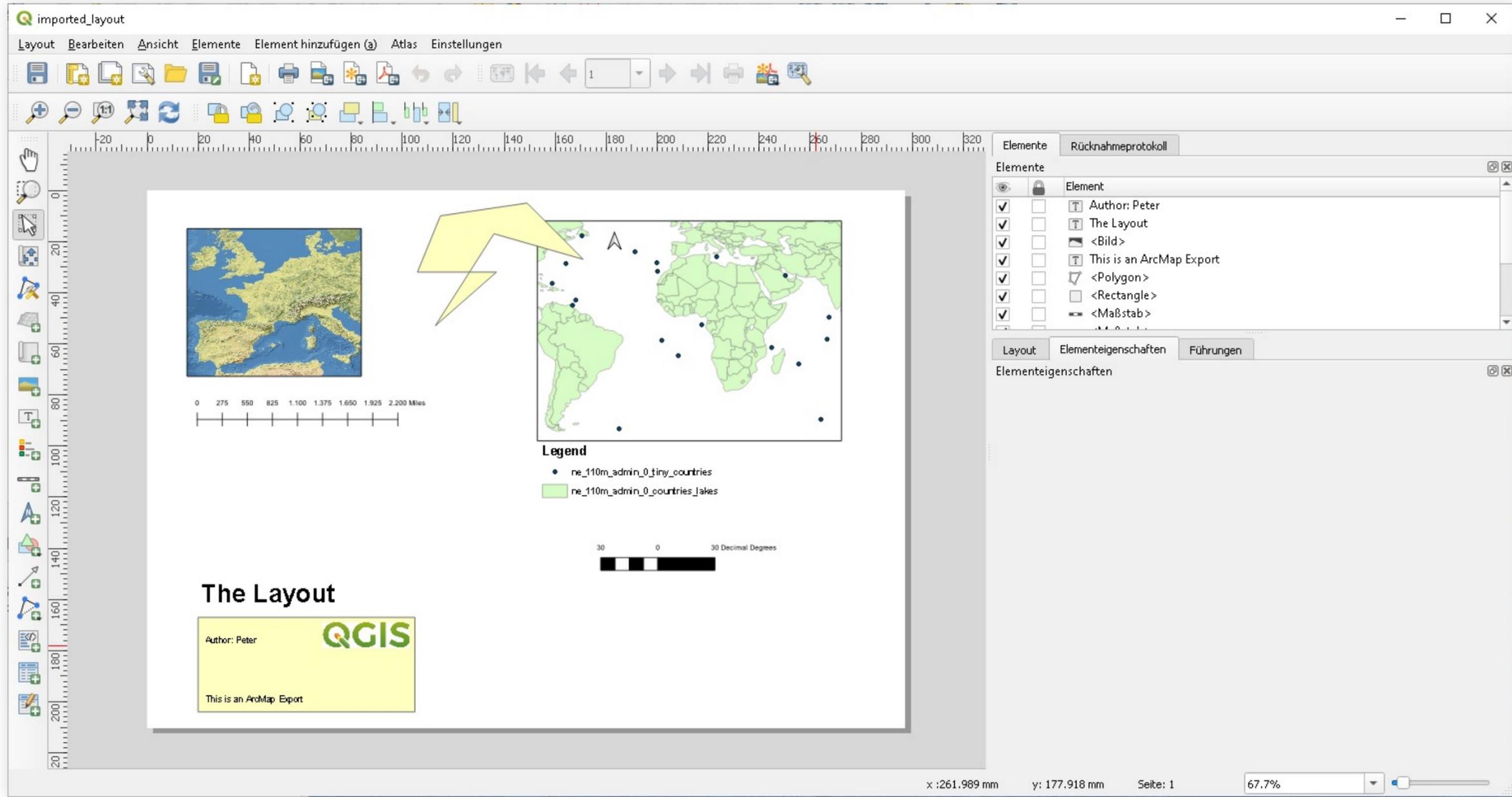
- Layout Export
- Dataframe Support als Kartenthemen (Sichtbarkeitsvoreinstellungen)
- Verschiedene Renderer und Styles (Match to Symbol in a Style, Singleband-Pseudocolor-Renderer, ...)

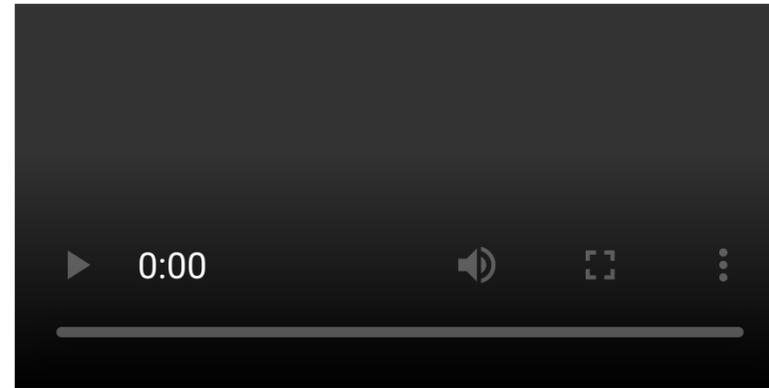
Layout Export

ArcMap Layout



QGIS-Layout

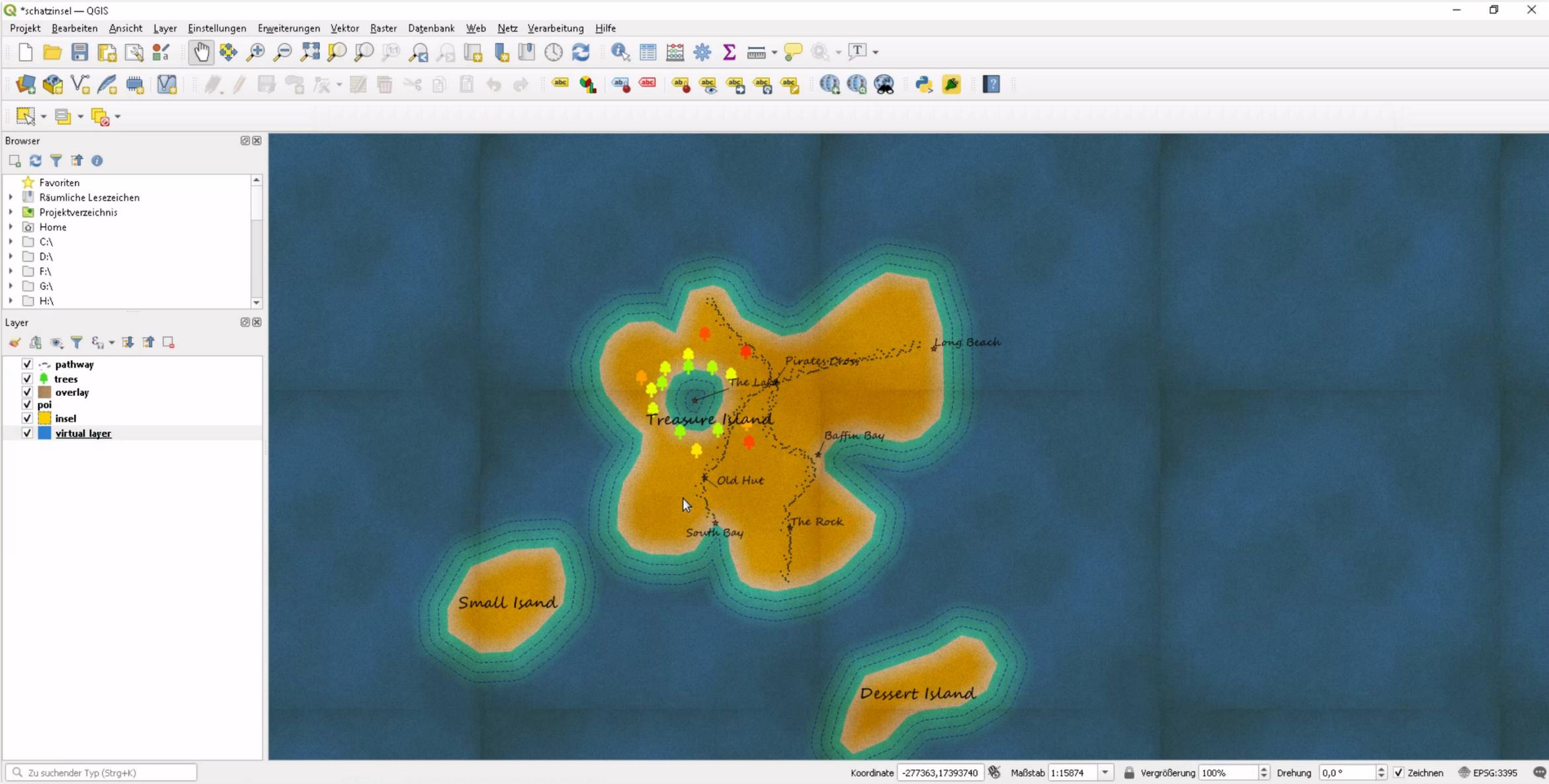




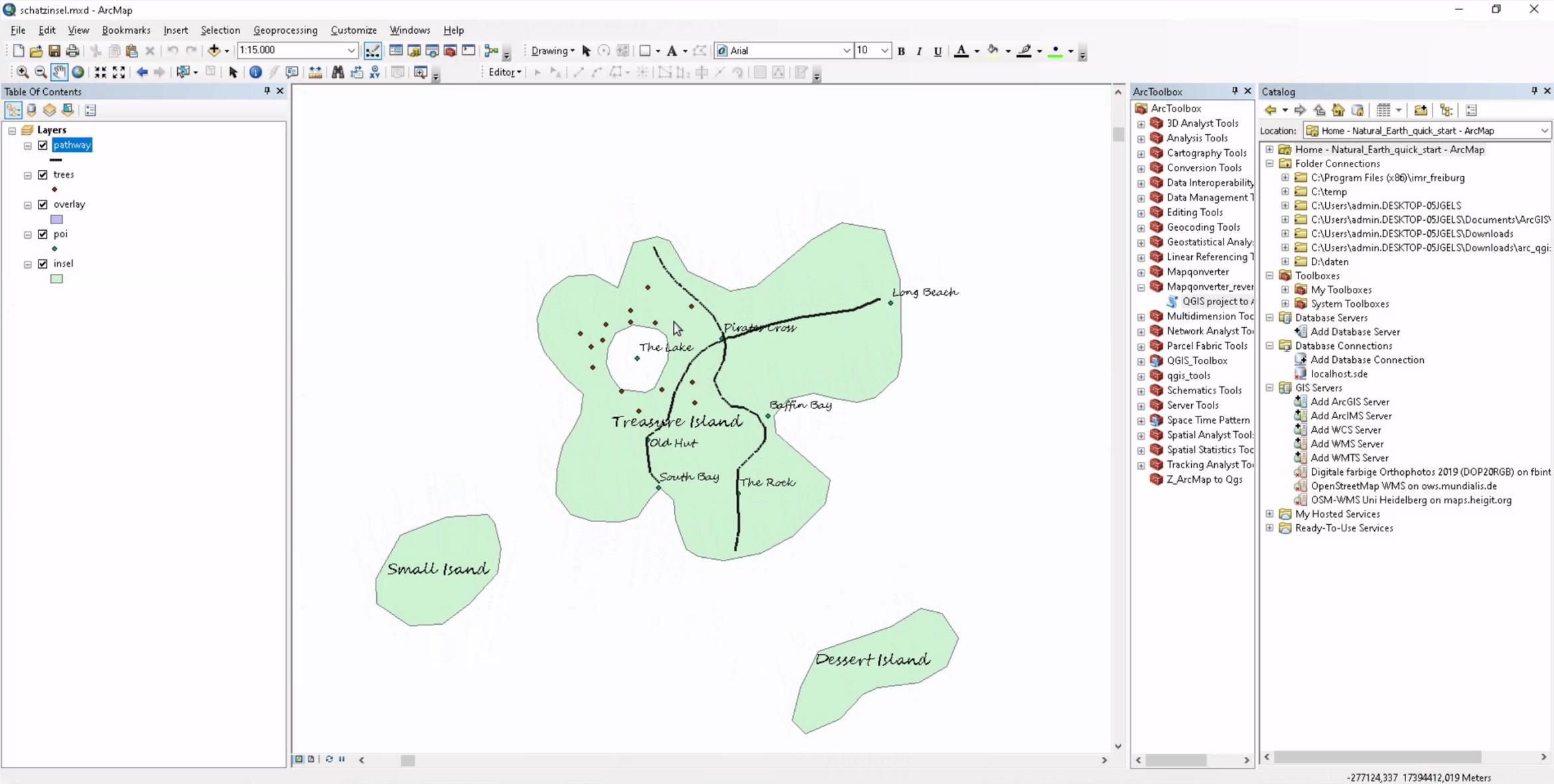
QGIS Import



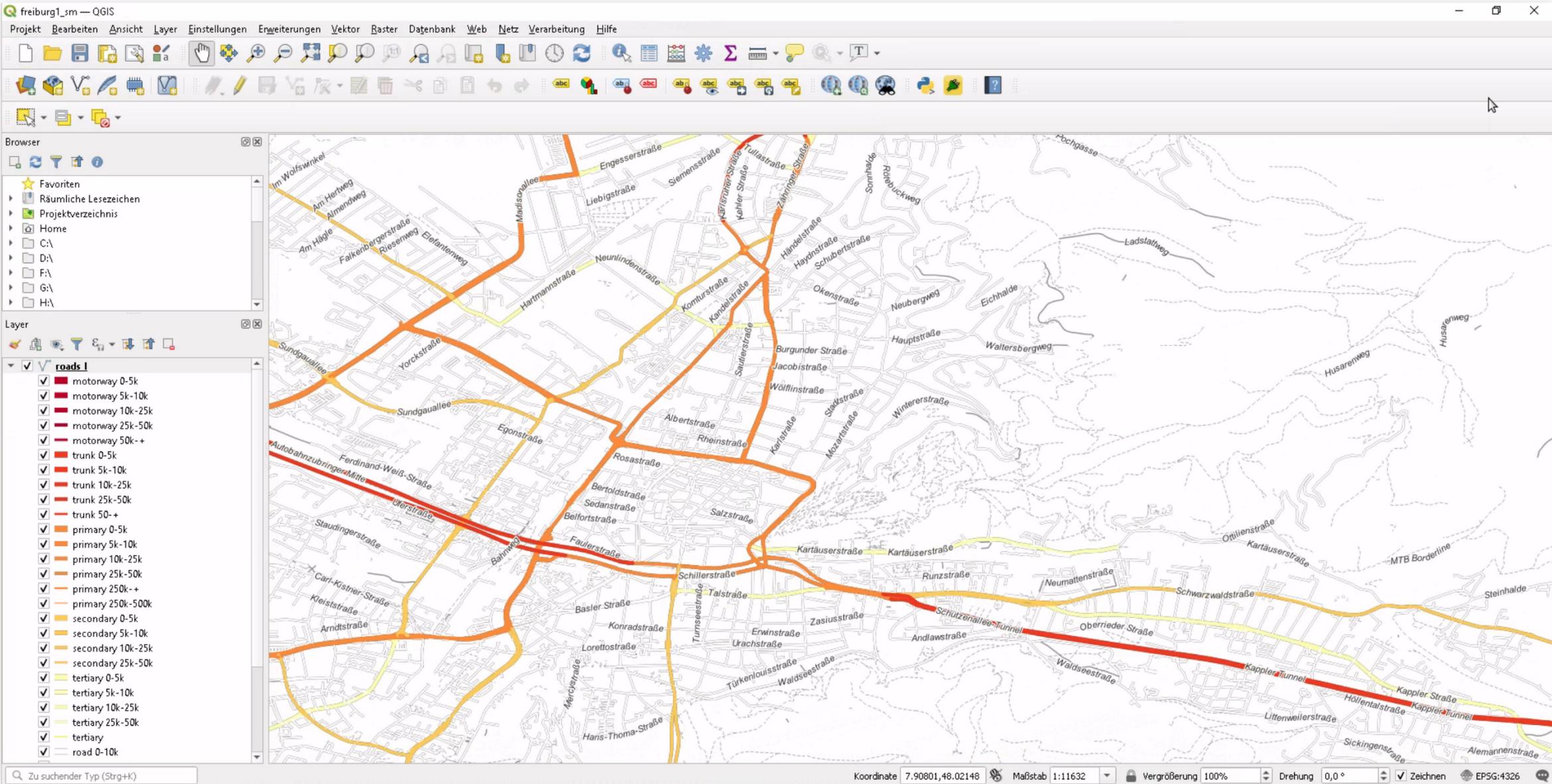
QGIS-Schatzkarte =)



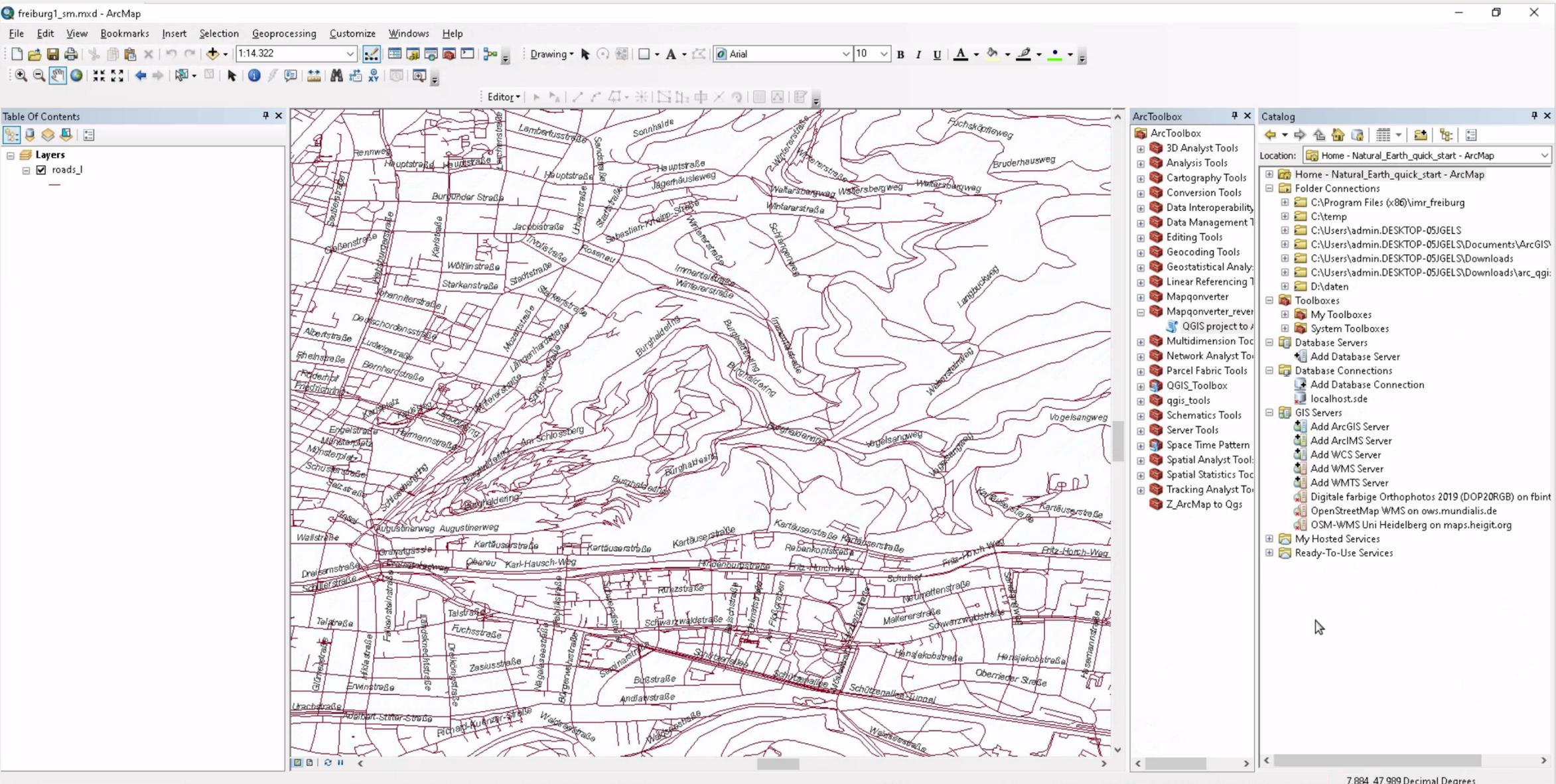
ArcMap-Schatzkarte =(



QGIS-Freiburger Straßennetz =)



ArcMap-Freiburger Straßennetz =



Regelbasierter Renderer

The screenshot shows the QGIS interface with the 'Layer Properties' dialog for the 'roads_l' layer. The 'Symbolisierung' tab is active, displaying a 'Regelbasierend' (Rule-based) renderer. The dialog is divided into a left sidebar with navigation options and a main table of rules. The 'Layer' panel on the left lists various road types like 'motorway 0-5k', 'trunk 0-5k', 'primary 0-5k', etc. The main table lists the rules for each road type, including the rule expression (e.g., 'fclass IN ('motorway)'), and scale ranges (Min. Scale, Max. Scale). The 'Anzahl' (Count) and 'Duplicate Count' columns are also visible.

Beschreibung	Regel	Min. Scale	Max. Scale	Anzahl	Duplicate Count
motorway 0-5k	fclass IN ('motorway')	1:5100		0	
motorway 5k-10k	fclass IN ('motorway')	1:10100	1:5100		
motorway 10k-25k	fclass IN ('motorway')	1:25100	1:10100		
motorway 25k-50k	fclass IN ('motorway')	1:50100	1:25100		
motorway 50k-+	fclass IN ('motorway')	0	1:50100		
trunk 0-5k	fclass IN('trunk', 'motorway_link')	1:5100		0	
trunk 5k-10k	fclass IN('trunk', 'motorway_link')	1:10100	1:5100		
trunk 10k-25k	fclass IN('trunk', 'motorway_link')	1:25100	1:10100		
trunk 25k-50k	fclass IN('trunk', 'motorway_link')	1:50100	1:25100		
trunk 50-+	fclass IN('trunk', 'motorway_link')	0	1:50100		
primary 0-5k	fclass IN ('primary', 'primary_link')	1:5100		0	
primary 5k-10k	fclass IN ('primary', 'primary_link')	1:10100	1:5100		
primary 10k-25k	fclass IN ('primary', 'primary_link')	1:25100	1:10100		
primary 25k-50k	fclass IN ('primary', 'primary_link')	1:50100	1:25100		
primary 250k-+	fclass IN ('primary', 'primary_link')	1:250100	1:50100		
primary 250k-500k	fclass IN ('primary', 'primary_link')	1:1000100	1:250100		
secondary 0-5k	fclass IN ('secondary', 'secondary_link')	1:5100		0	
secondary 5k-10k	fclass IN ('secondary', 'secondary_link')	1:10100	1:5100		
secondary 10k-25k	fclass IN ('secondary', 'secondary_link')	1:50100	1:10100		
secondary 25k-50k	fclass IN ('secondary', 'secondary_link')	1:250100	1:50100		
tertiary 0-5k	fclass IN ('tertiary', 'tertiary_link')	1:5100		0	
tertiary 5k-10k	fclass IN ('tertiary', 'tertiary_link')	1:25100	1:5100		
tertiary 10k-25k	fclass IN ('tertiary', 'tertiary_link')	1:50100	1:25100		
tertiary 25k-50k	fclass IN ('tertiary', 'tertiary_link')	1:100100	1:50100		
tertiary	fclass IN ('tertiary', 'tertiary_link')	1:250100	1:100100		
road 0-10k	fclass IN ('road', 'living_street', 'residential', 'unclassifi...')	1:5100		0	
road 10k-25k	fclass IN ('road', 'living_street', 'residential', 'unclassifi...')	1:10100	1:5100		
road 25k-0	fclass IN ('road', 'living_street', 'residential', 'unclassifi...')	1:25100	1:10100		
road 25k-50k	fclass IN ('road', 'living_street', 'residential', 'unclassifi...')	1:50100	1:25100		
road 25k-50k	fclass IN ('road', 'living_street', 'residential', 'unclassifi...')	1:100100	1:50100		
bridge	"bridge" IN ('True', '1', 'yes')	1:10100		1:1	
cycleway	fcass = 'cycleway'	1:10100		0	
track	fclass IN ('track')	1:25100		1:1	
oath	fclass IN ('oath')	1:50100	1:1000		

The ScaleDependentRenderer

"The ScaleDependentRenderer is not available using the ArcGIS interface. To use this renderer you must use code to build and assign the renderer to a layer."

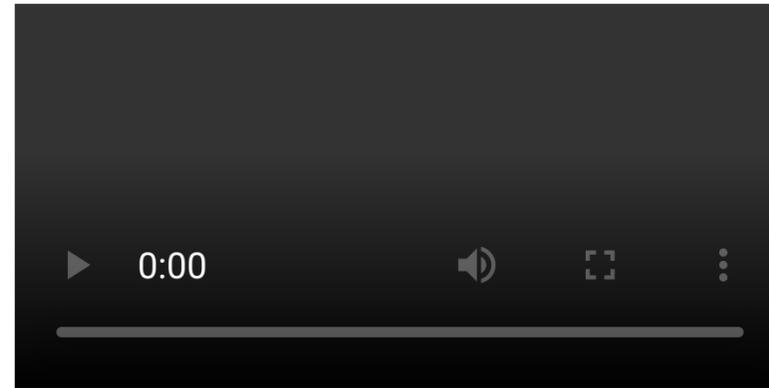


Hindernisse beim Import

- Komplexes Rendering
 - Rule-Based-Rendering
 - Geometriegenenerator
 - Sunburst Effekt, Mischmodi
- Bestimmte Daten können nicht importiert werden (SVG)
- Query-Editoren unterscheiden sich

Query-Editoren im Vergleich

The image shows two overlapping windows from a GIS application. The 'Ausdrucksdialog' window on the left has a 'Funktionseditor' tab active, displaying a list of functions under 'Datum und Zeit' with 'now' selected. The main text area contains a query snippet: `'\n' || '\n' || 'ne_10m_admin_0_boundary_lines_disputed_areas_ae0e7dc8_0b7b_492f_a367_90cf10187b33' || '\n' || now()`. The 'Label Expression' window on the right shows a list of fields including 'UN_LAT', 'UN_LONG', and 'POP1950'. The expression field contains the text `[NAME] & " " & [ne_id] & " " & [POP1950]`. Both windows have 'OK' and 'Abbrechen' buttons at the bottom.





Wie bekomme ich den MapQonverter?

- <https://github.com/WhereGroup/mapqonverter>
- Setup-Datei per Mail

Vielen Dank für die Aufmerksamkeit!