

QGIS 2.2.0-Valmiera

Project Edit View Layer Settings Plugins Vector Raster Database Processing Help

Layers

world_country_admin_boundary_sha...

Attribute table - world_country_admin_boundary_shapefile_with_fips...

	name	CntryName	FipsCntry	AREA	PERIMETER
15	Fips Cntry:	Antarctica	AY	6032.928420	1566.144425
191	Fips Cntry:	Russia	RS	2931.554594	1536.174418
36	Fips Cntry:	Canada	CA	1694.025162	2210.684898
232	Fips Cntry:	United States	US	1116.670638	726.106130
42	Fips Cntry:	China	CH	950.611477	303.147178
30	Fips Cntry:	Brazil	BR	707.050679	248.756772
12	Fips Cntry:	Australia	AS	695.539935	252.165153
87	Fips Cntry:	Greenland	GL	660.927124	942.221015
127	Fips Cntry:	Kazakhstan	KZ	343.160065	140.347711

2 feature(s) selected on layer world_country_admin_boundary_shapefile_with_fips_codes.

Coordinate: -63.8, -40.0

Scale: 1:167,653,335

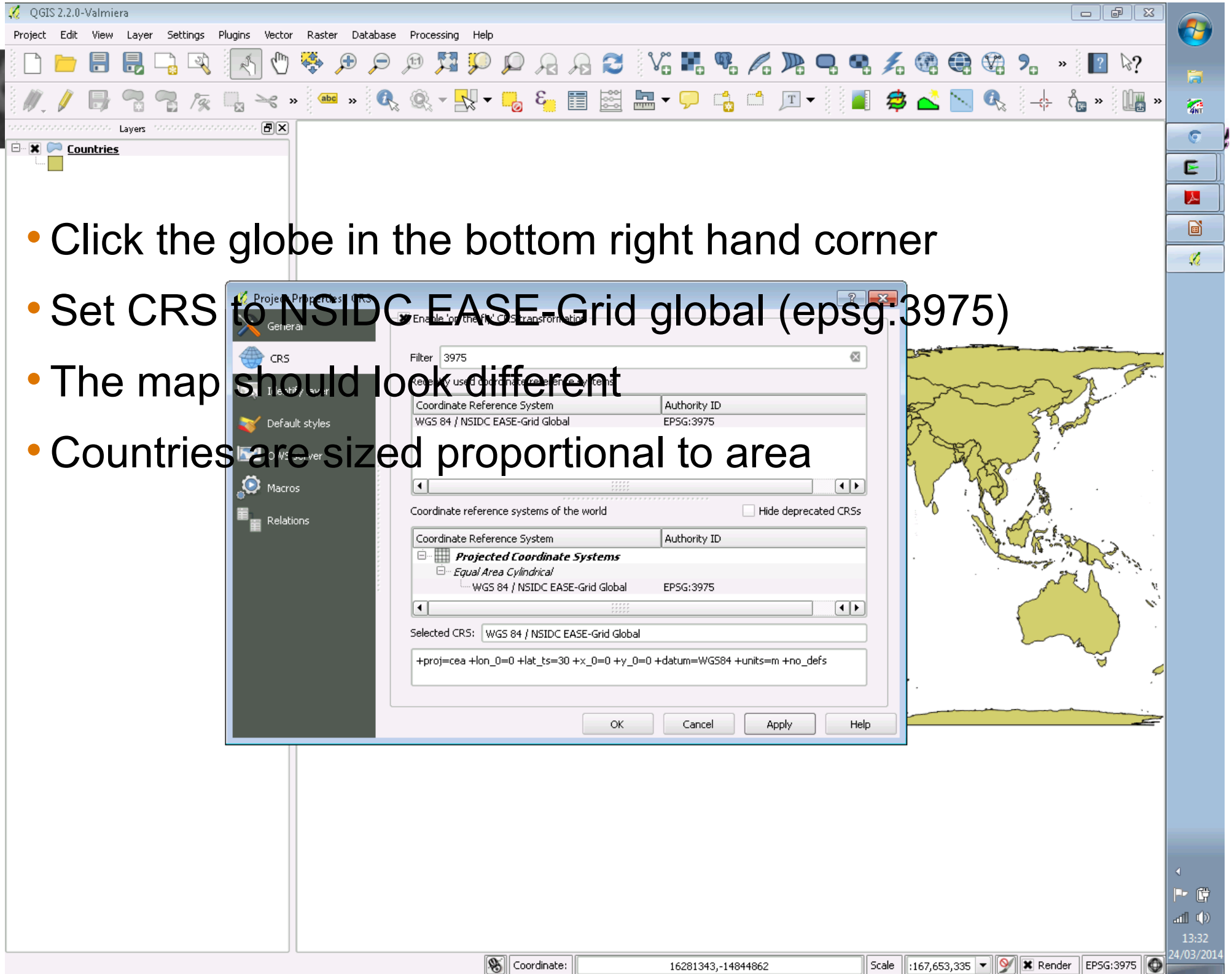
Render

EPSG:4326

13:27

24/03/2014

- Open countries.shp
- Which are the biggest countries?
- Project properties – turn of 'on the fly' projection
- Calculate area using layer CRS
- Vector-geometry tools-add/export geometry columns
- Open attribute table – sort on area
- Units are decimal degrees
- Which country is largest? Where is Greenland ranked?
- Colour display by area




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- Now recalculate area using the project CRS (equal area)
- Areas will be in metres and be closer to the 'true' area
- Which country is largest? How does Greenland rank?
- Re-colour display by area



Attribute table - Countries :: Features total: 252, filtered: 252, selected: 2

	name	CntryName	FipsCntry	AREA	PERIMETER
191	Fips Cntry:	Russia	RS	17005250846327.929688	138831372.5163
15	Fips Cntry:	Antarctica	AY	12403182197516.255859	143883760.4669
36	Fips Cntry:	Canada	CA	9953047494248.052734	199998307.75652
232	Fips Cntry:	United States	US	9465798488042.912109	67494291.88844
42	Fips Cntry:	China	CH	9369191247581.458984	30174632.95119
30	Fips Cntry:	Brazil	BR	8472305568387.521484	27456892.07538
12	Fips Cntry:	Australia	AS	7686937403922.654297	26703619.79868
106	Fips Cntry:	India	IN	3152150701776.628418	18997289.84759
127	Fips Cntry:	Kazakhstan	KZ	2842225870808.996094	13082071.57712
11	Fips Cntry:	Argentina	AR	2780990465432.166016	13634342.63712
208	Fips Cntry:	Sudan	SU	2486946868152.593750	8033914.39717
41	Fips Cntry:	Congo, DRC	CG	2326623321125.743164	9377111.53598
4	Fips Cntry:	Algeria	AG	2317514889037.173828	7236130.77590
87	Fips Cntry:	Greenland	GL	2159852885222.862305	86582645.76094

Show All Features

Coordinate: -3067499,1273123 Scale: 1:167,653,335 Render EPSG:3975

13:42 24/03/2014

- ms change how we view the
stem will make the map look
Georgia Lambert

Browser window: xkcd: Map Projections - Mozilla Firefox

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Address bar: xkcd.com/977/

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Navigation buttons: < PREV RANDOM NEXT >


WHAT YOUR FAVORITE MAP PROJECTION SAYS ABOUT YOU

MERCATOR




YOU'RE NOT REALLY INTO MAPS.

VAN DER GRINTEN



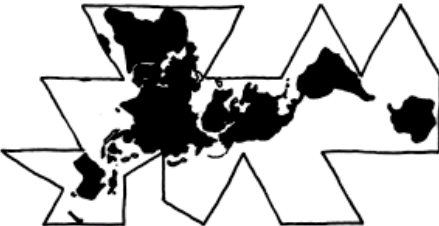
YOU'RE NOT A COMPLICATED PERSON. YOU LOVE THE MERCATOR PROJECTION; YOU JUST WISH IT WEREN'T SQUARE. THE EARTH'S NOT A SQUARE, IT'S A CIRCLE. YOU LIKE CIRCLES. TODAY IS GONNA BE A GOOD DAY!

ROBINSON




YOU HAVE A COMFORTABLE PAIR OF RUNNING SHOES THAT YOU WEAR EVERYWHERE. YOU LIKE COFFEE AND ENJOY THE BEATLES. YOU THINK THE ROBINSON IS THE BEST-LOOKING PROJECTION, HANDS DOWN.

DYMAXION




YOU LIKE ISAAC ASIMOV, XML, AND SHOES WITH TOES. YOU THINK THE SEGWAY GOT A BAD RAP. YOU OWN 3D GOGGLES, WHICH YOU USE TO VIEW ROTATING MODELS OF BETTER 3D GOGGLES. YOU TYPE IN DVORAK.

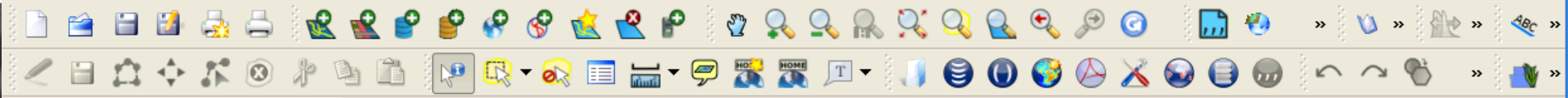
WINKEL-TRIEPEL



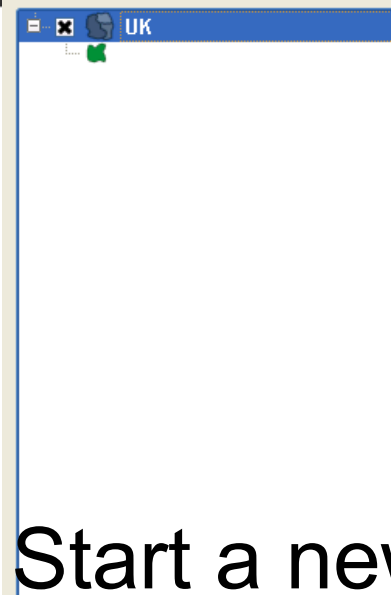
GOODE HOMOLOGOSINE



System tray: 18:01



Layers



Start a new project

Load file UK.gml

☒ Control rendering order☐ Active (Shift+A)

Value Tool

☐ Graph

Layer

Value



Coordinate:

-8.91,59.41

Scale

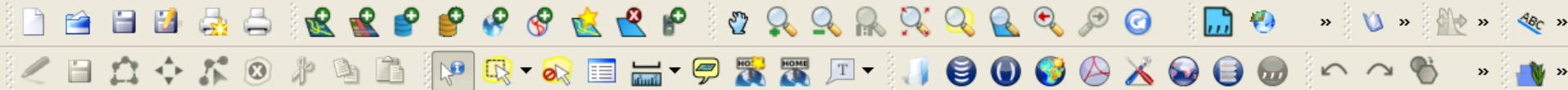
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Render

EPSG:4326

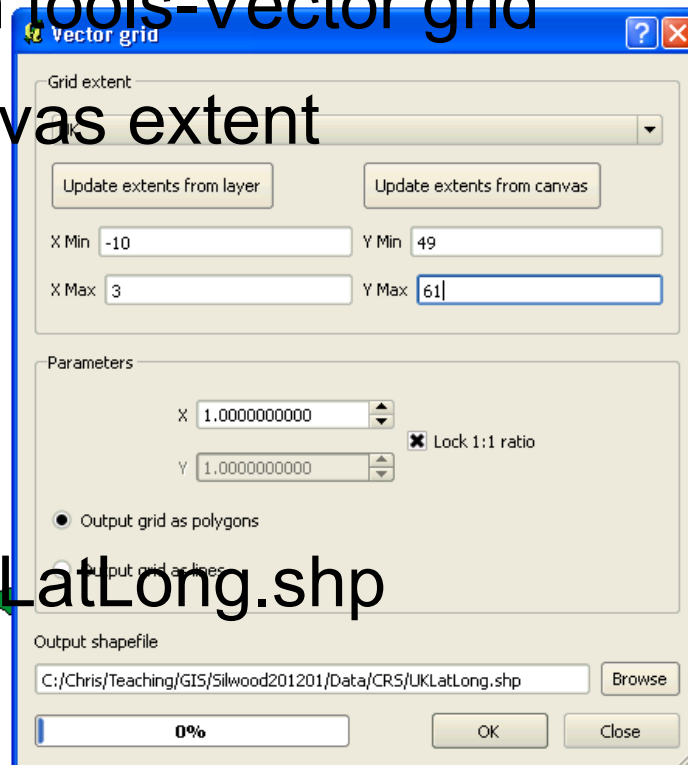


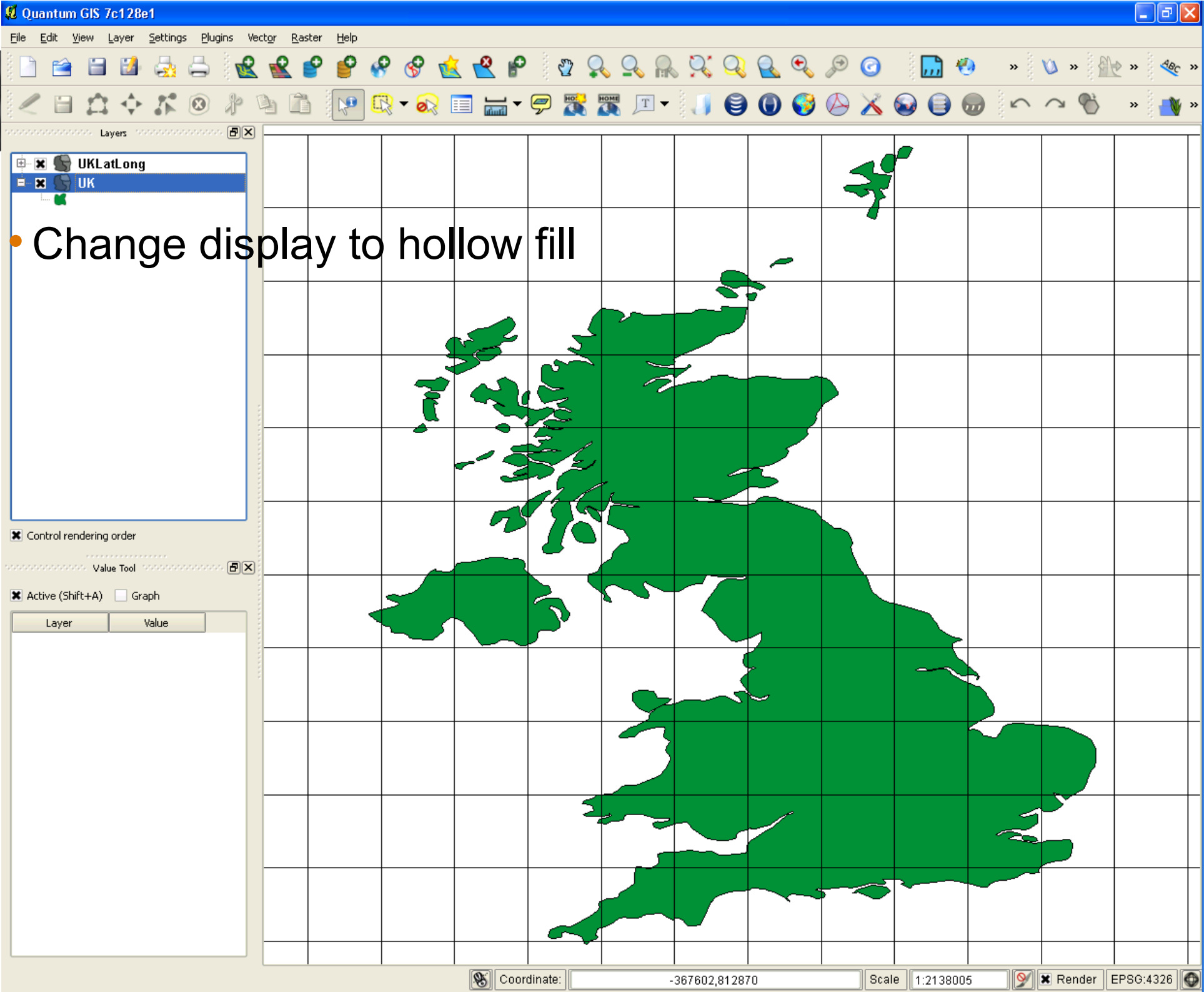


Layers

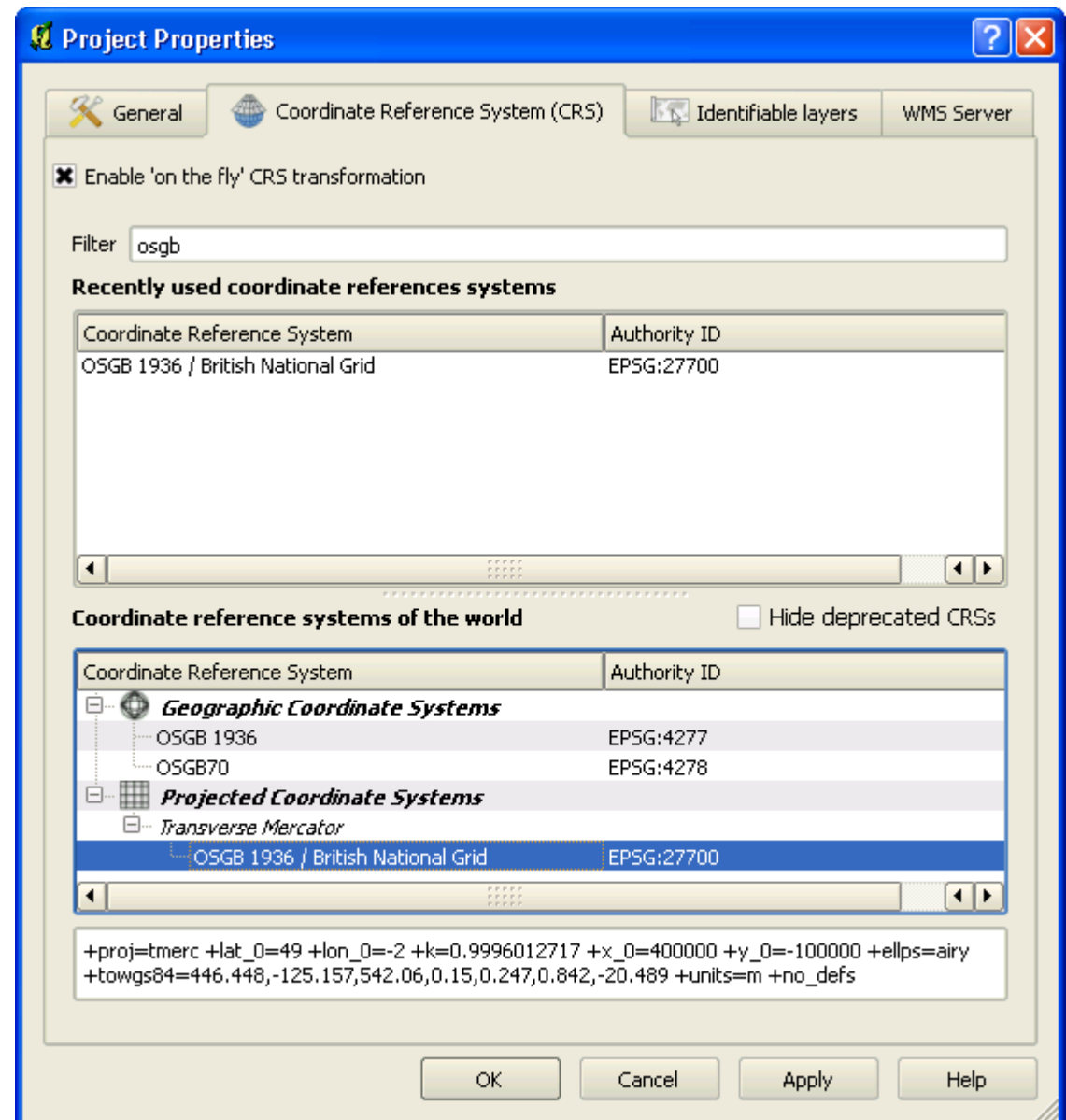
UK

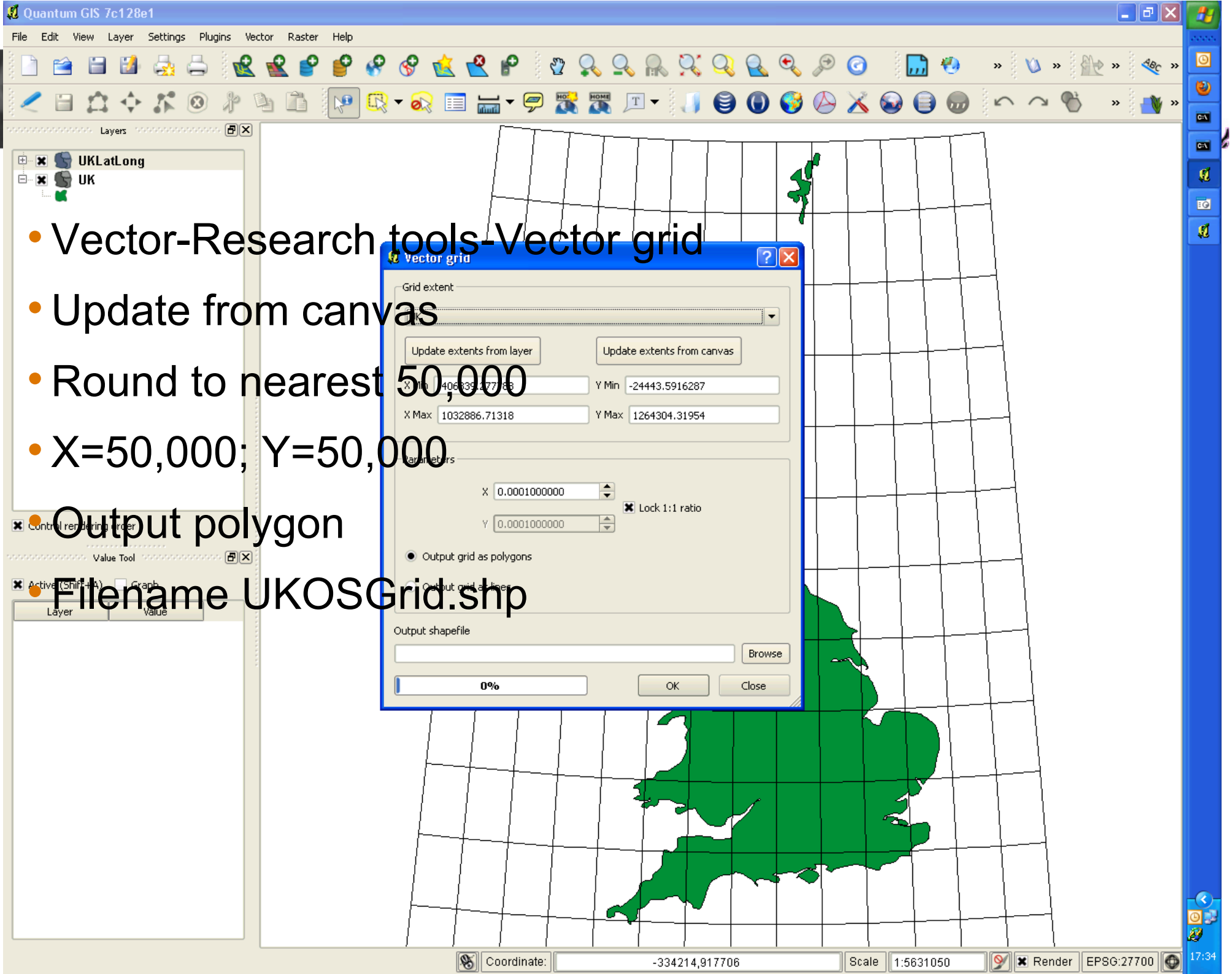
- Vector-Research tools-Vector grid
- Update from canvas extent
- Round numbers
- Set x=1, y=1
- Output polygon
- Name output UKLatLong.shp



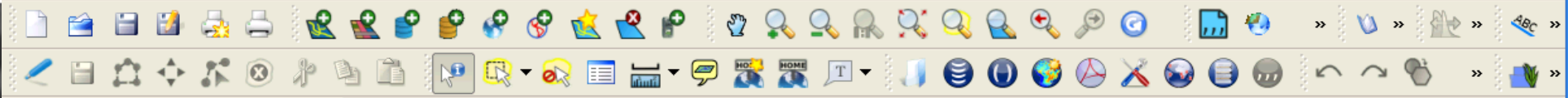


- Set project CRS
- OSGB 1936





- Vector-Research tools-Vector grid
- Update from canvas
- Round to nearest 50,000
- X=50,000; Y=50,000
- Output polygon
- Filename UKOSGrid.shp



Layers

UKOSGrid
UKLatLong
UK

- Change grid to hollow

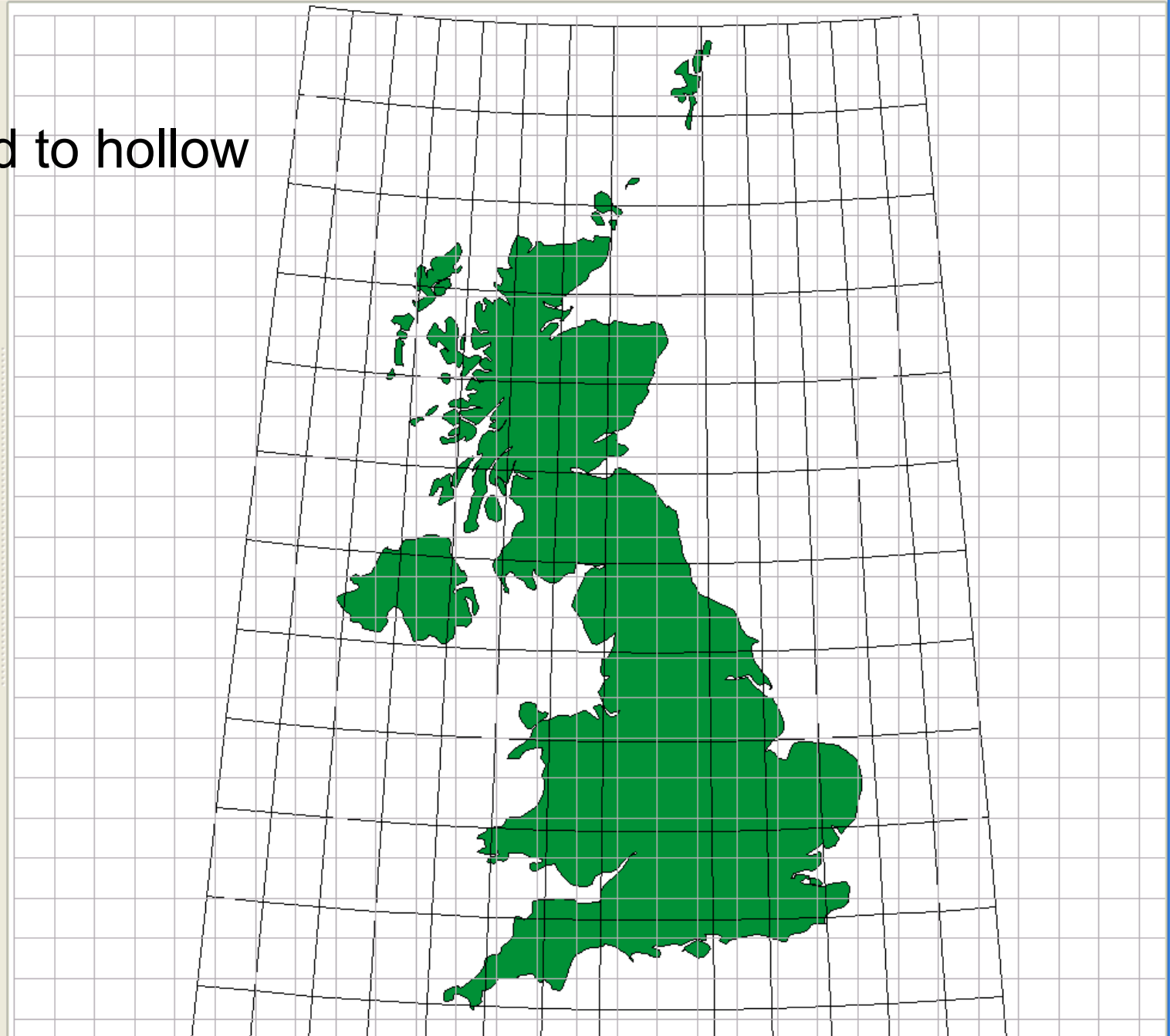
☒ Control rendering order

Value Tool

☒ Active (Shift+A) ☐ Graph

Layer

Value



Coordinate:

857081,1255365

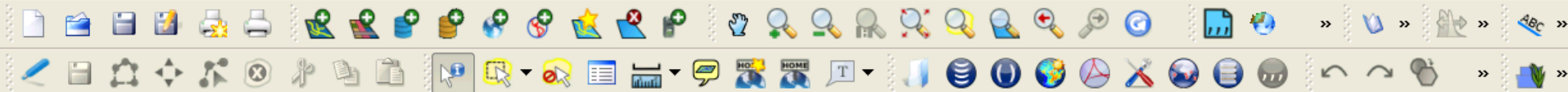
Scale

1:5631050



Render

EPSG:27700



Layers

- UKOSGrid
- UKLatLong
- UK

- Set CRS to WGS84

☒ Control rendering order

Value Tool

☒ Active (Shift+A) ☐ Graph

Layer

Value



Coordinate:

-383991,975267

Scale

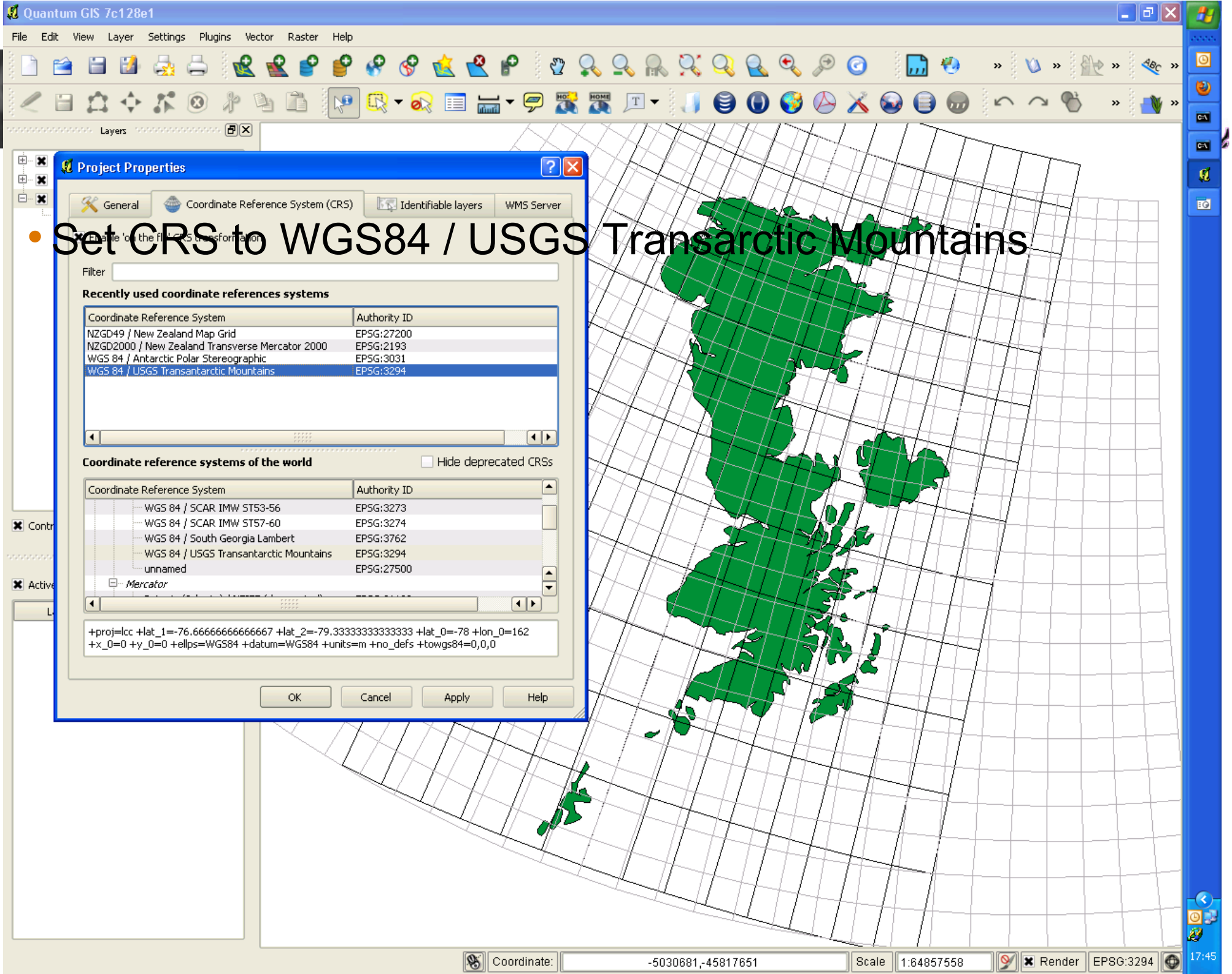
1:2138005



Render

EPSG:4326

17:40



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