QGIS Application - Feature request #18664
UCS - 2000 coordinate systems - correct params towgs84

2018-04-08 04:29 PM - Denys Dudko

Status:	Open		
Priority:	Normal		
Assignee:			
Category:	Projection Support		
Pull Request or Patch supplied:		**Resolution:**	
Easy fix?:	Yes	**Copied to github as #:**	26552

Description

Some time ago, the transition parameters from the UCS2000 datum to ETRS89 were published.

http://dgm.gki.com.ua/files/uploads/documents/Description_of_Transformation_UA_UCS_2000_to_ETRS89%20New.pdf

now parameter towgs on all UCS2000 projections family set to +towgs84=25,-141,-78.5,0,0.35,0.736,0

But in qGIs assumed that ETRS89 == WGS84. So we can use this params to set towgs84.

It seems to me - it is good idea set (acording to published params)

+towgs84=24.376,-121.321,-75.895,0.001296,0.007840,-0.012672,0

Also in Ukraine exists 27 Local (for each oblast of Country) coordinate systems. Here is published list of them and links on theirs passports (only in urainan). If it is possible include this definitions into predefined list in qGis - i can prepare this list in proj.4 format and boundary rects

History

#1 - 2018-04-08 05:47 PM - Andre Joost

The usual workflow for datum shifts is:

1. report the parameters at the EPSG database

1. GDAL imports the data from the EPSG database

1. QGIS adopts the recent version of GDAL

If you don't like it, feel free to use a custom datum transformation.