

QGIS Application - Bug report #21625

Scalebar display is wrong when working with different geographic coordinate systems

2019-03-20 10:01 AM - Alessandro Frigeri

<b>Status:</b>	Open	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	Decorations	
<b>Affected QGIS version:</b>	3.6.0	<b>Regression?:</b> No
<b>Operating System:</b>	Ubuntu	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	No	<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b>	No	<b>Copied to github as #:</b> 29441
<b>Description</b>		
<p>Hello,</p> <p>working with latlong coordinates, I've noticed that scalebar display of QGIS (3.6.0) is wrong when changing from WGS84 ellipsoid to, for example, Mars (GCS_Mars_2000 in the CRS list).</p> <p>To replicate this, find attached a 10x10 1-degree latlon grid in GML format. Spacing between 1-degree meridians at equator and between parallels should be around 111km for WGS84.</p> <p>Changing the SRS to GCS_Mars_2000 the same 1-deg distance should be around 59km, using the QGIS distance tool the measure is correctly displayed, but the scalebar is wrong (see the screenshot attached).</p> <p>It seems that scalebar display keeps using WGS84 when working with different geographic coordinate systems, while the measuring tool seems to work.</p> <p>best regards,</p> <p>Alessandro Frigeri</p>		

Files			
10x10grid.gml	9 KB	2019-03-20	Alessandro Frigeri
qgis_scalebar.png	55.2 KB	2019-03-20	Alessandro Frigeri