

## QGIS Application - Bug report #4652

### An odd coordinate reference system – Pulkovo 1942(58) (GDAL compatible)

2011-12-16 12:26 AM - zirneklitis -

<b>Status:</b> Closed	
<b>Priority:</b> Low	
<b>Assignee:</b>	
<b>Category:</b> Projection Support	
<b>Affected QGIS version:</b>	<b>Regression?:</b> No
<b>Operating System:</b>	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b>	<b>Copied to github as #:</b> 14550
<b>Description</b>	
<p>This coordinate system is total crap. The data projected in this CRS cannot be re-projected to other systems. "Pulkovo 1942(58) (GDAL compatible)" as the project's CRT creates a mess. Some screen shots will be added to illustrate my opinion. Four different grids are mapped. Note the travel of the red lines representing the "Pulkovo 1942(58) (GDAL compatible)" grid.</p> <p>Tested with 1.7.1. The same problem with 1.9.90-Alpha QGIS code revision f61988e</p> <p>The CRS "EPSG:44179 Pulkovo 1942(58) (GDAL compatible)" should be removed from the list.</p>	

#### Associated revisions

##### Revision 42e02d82 - 2011-12-16 01:59 PM - Jürgen Fischer

remove "unsynced" EPSG CRS that are not listed in GDAL (closes #4652)

##### Revision 182f2761 - 2011-12-16 07:25 PM - Jürgen Fischer

remove "unsynced" EPSG CRS that are not listed in GDAL (closes #4652)

##### Revision d4ddf368 - 2011-12-20 05:58 PM - Jürgen Fischer

readd google mercator (pseudo epsg:900913) removed with with 42e02d82c05b4da370be77ef71345ba62457cc66 (IssueID #4652)

##### Revision ac836b5f - 2012-01-29 10:32 AM - Jürgen Fischer

readd google mercator (pseudo epsg:900913) removed with with 42e02d82c05b4da370be77ef71345ba62457cc66 (IssueID #4652)

#### History

##### #1 - 2011-12-16 12:26 AM - zirneklitis -

- File *Project-s\_CRS-EPSG4284.png* added

##### #2 - 2011-12-16 12:27 AM - zirneklitis -

- File *Project-s\_CRS-EPSG4326.png* added

##### #3 - 2011-12-16 12:27 AM - zirneklitis -

- File *Project-s\_CRS-EPSG44179.png* added

**#4 - 2011-12-16 12:28 AM - zirneklitis -**

- File *Project-s\_CRS-EPSSG3059.png* added

**#5 - 2011-12-16 12:28 AM - zirneklitis -**

- File *Project-s\_CRS-EPSSG3059\_1.9.9.png* added

**#6 - 2011-12-16 12:32 AM - zirneklitis -**

- File *example.7z* added

**#7 - 2011-12-16 12:39 AM - Jürgen Fischer**

- Priority changed from 6 to Low

- Resolution set to wontfix

- Status changed from Open to Rejected

QGIS syncs it's CRS with GDAL. So this should probably be taken there. But you also might want to check if the CRS is in the latest version of GDAL too.

**#8 - 2011-12-16 02:43 AM - zirneklitis -**

If it's so why this CRS is listed nowhere else except in QGIS? E.g. GRASS on the same system (= using the same GDAL?) does not provide such CRS.

This CRS is mentioned **only** in QGIS resources:

/usr/share/qgis/resources/srs.db

C:\OSGeo4W\apps\qgis\

resources\srs.db

C:\OSGeo4W\apps\qgis-dev\

resources\srs.db

**#9 - 2011-12-16 04:58 AM - Jürgen Fischer**

- Status changed from Rejected to In Progress

- Resolution deleted (wontfix)

zirneklitis - wrote:

| If it's so why this CRS is listed nowhere else except in QGIS? E.g. GRASS on the same system (= using the same GDAL?) does not provide such  
| CRS.

Right. The CRS are only updated, but not removed.

**#10 - 2011-12-16 05:00 AM - Jürgen Fischer**

- Status changed from In Progress to Closed

- % Done changed from 0 to 100

Applied in changeset commit:"42e02d82c05b4da370be77ef71345ba62457cc66".

**#11 - 2011-12-16 10:27 AM - Borys Jurgiel**

Well, in Qgis <1.7 it wasn't any "total crap" ;p It was painful but essential workaround to allow Qgis to recognize proj strings without +towgs parameter (coming from older GDAL versions, ArcGIS etc).

In Qgis 1.7 it became unnecessary and, in the same time, incompatible, so please backport it to 1.7

But first please restore 900913 for one important reason: If a WMS supports EPSG:900913 and not EPSG:3785, then it's unavailable for Qgis now. Also OpenLayersPlugin use it (what is smaller problem, as it can be updated to 3785). Finally, I believe 900913 is better recognizable than 3785.

**#12 - 2011-12-19 07:51 AM - Giovanni Manghi**

Jürgen Fischer wrote:

| *Applied in changeset commit:"42e02d82c05b4da370be77ef71345ba62457cc66".*

Hi Jurgen,

in QGIS master I don't see anymore CRSs like the Google Mercator, maybe a side effect of this fix?

**Files**

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Project-s_CRS-EPSG4179.png	24.2 KB	2011-12-15	zirneklitis -
Project-s_CRS-EPSG4284.png	23.9 KB	2011-12-15	zirneklitis -
Project-s_CRS-EPSG4326.png	23.5 KB	2011-12-15	zirneklitis -
Project-s_CRS-EPSG44179.png	24.2 KB	2011-12-15	zirneklitis -
Project-s_CRS-EPSG3059.png	22.9 KB	2011-12-15	zirneklitis -
Project-s_CRS-EPSG3059_1.9.9.png	187 KB	2011-12-15	zirneklitis -
example.7z	57.9 KB	2011-12-15	zirneklitis -