

QGIS Application - Bug report #18896

"Hide deprecated CRSs" functionality not working properly in the Coordinate Reference System Selector dialog

2018-05-02 04:36 PM - Andrea Giudiceandrea

Status: Closed	
Priority: Normal	
Assignee:	
Category: GUI	
Affected QGIS version: 3.0.2	Regression?: Yes
Operating System:	Easy fix?: No
Pull Request or Patch supplied: Yes	Resolution:
Crashes QGIS or corrupts data: No	Copied to github as #: 26728

Description

The **"Hide deprecated CRSs"** functionality in the Coordinate Reference System Selector dialog (Project Properties | CRS) doesn't work properly in conjunction with the **"Filter" feature** for both **QGIS 3.0.2, 2.18.19** and probably also master.

If I check the **"Hide deprecated CRSs"** checkbox and then put a search string, e.g. "samoa", in the "Filter" field I obtain the CRSs list:
[CRSs list A]

- + Geographic Coordinate Systems
 - American Samoa 1962
- + Projected Coordinate Systems
 - + Lambert Conformal Conic
 - American Samoa 1962 / American Samoa Lambert
 - American Samoa 1962 / American Samoa Lambert (deprecated)
 - American Samoa 1962 / American Samoa Lambert (deprecated)

that is wrong, because deprecated CRSs are displayed instead of hidden

and if I subsequently uncheck the **"Hide deprecated CRSs"** checkbox, **then wrongly** again additional **deprecated CRSs not related with the Samoa ones are added to the list!**

[CRSs list B]

- + Geographic Coordinate Systems
 - American Samoa 1962
- + Projected Coordinate Systems
 - + Lambert Conformal Conic
 - American Samoa 1962 / American Samoa Lambert
 - American Samoa 1962 / American Samoa Lambert (deprecated)
 - American Samoa 1962 / American Samoa Lambert (deprecated)
 - MGI / Austria Lambert (deprecated)
 - Merchich / Sahara (deprecated)
 - NAD27 / California zone VII (deprecated)
 - NAD27 / Cuba Norte (deprecated)
 - NAD27 / Cuba Sur (deprecated)
 - ... and so on...

If, instead, I start the search (putting for example again "samoa" in the "Filter" field) with the "Hide deprecated CRSs" checkbox unchecked, I obtain the [CRSs list A] as expected. If I subsequently check it, the two deprecated Samoa CRSs will be correctly deleted from the list, but if I uncheck it again, the [CRSs list B] is displayed and this is wrong again!

I think the problem is in **QgsProjectionSelectionTreeWidget Class** (src/gui/qgsprojectionselectiontreewidget.cpp) :: hideDeprecated, cbxHideDeprecated_stateChanged, leSearch_textChanged for QGIS 3.0 and in **QgsProjectionSelector Class** (src/gui/qgsprojectionselector.cpp) :: hideDeprecated, on_cbxHideDeprecated_stateChanged, on_leSearch_textChanged for QGIS 2.18.

Hope this historical research will help to fix the problem:

the "Hide deprecated CRSs" functionality was introduced by **Jürgen E. Fischer** with commit "[FEATURE] allow to hide deprecated CRSes" [1] in QGIS 1.5.0 and worked fine until QGIS 1.7.4. In QGIS 1.8.0 the projections dialog was redesigned (in a way very similar to the current one) by **Richard Duivenvoorde** and **Nathan Woodrow** (see Feature Request #4550 [2], Pull Request 66 [3], commit 36e178f [4]) but the "Hide deprecated CRSs" functionality was partially broken inadvertently and since then it doesn't work as supposed to (but it seems that no one else has noticed it).

[1] commit:d323a6ca35336f5c6b65dafbec8a3ad88e99e2d7

[2] "Improvements to projection widget" #4550

[3] "for #4550 projection ui work #66" <https://github.com/qgis/QGIS/pull/66>

[4] "UI tweaks to the projection UI; Remove old buttons and code etc" commit:36e178f7c4d342d06a9f336eeae64b4f6371bf1e

Associated revisions

Revision a022ad21 - 2018-05-05 11:13 PM - Nyal Dawson

Fix handling of "hide deprecated" in projection selector widget

Fixes #18896

Revision 1c5d8602 - 2018-05-11 04:30 AM - Nyal Dawson

Fix handling of "hide deprecated" in projection selector widget

Fixes #18896

(cherry-picked from a022ad21)

History

#1 - 2018-05-03 04:10 AM - Nyal Dawson

- Pull Request or Patch supplied changed from No to Yes

- Status changed from Open to In Progress

PR <https://github.com/qgis/QGIS/pull/6921>

#2 - 2018-05-05 11:13 PM - Nyal Dawson

- % Done changed from 0 to 100

- Status changed from In Progress to Closed

Applied in changeset commit:qgis|a022ad21d4ff5ede1800c8605b8bcae730c80da4.

#3 - 2018-05-06 08:52 AM - Jürgen Fischer

- *Description updated*

#4 - 2018-05-06 04:49 PM - Andrea Giudiceandrea

Hope this will back ported to 2.18.