

QGIS Application - Bug report #17739

MetaSearch: fix inconsistent spatial queries

2017-12-22 10:19 PM - Tom Kralidis

Status: Closed	
Priority: High	
Assignee: Tom Kralidis	
Category: MetaSearch Catalogue Client	
Affected QGIS version: master	Regression?: No
Operating System: all	Easy fix?: Yes
Pull Request or Patch Applied: Yes	Resolution: fixed/implemented
Crashes QGIS or corrupts data: No	Copied to github as #: 25635

Description

Issuing spatial queries via MetaSearch yields inconsistent / unexpected results.

The root cause is that MetaSearch is not being explicit with CRS of a given BBOX, i.e.:

```
<ogc:BBOX>
<ogc:PropertyName>ows:BoundingBox</ogc:PropertyName>
<gml:Envelope>
  <gml:lowerCorner>-180 -90</gml:lowerCorner>
  <gml:upperCorner>180 90</gml:upperCorner>
</gml:Envelope>
</ogc:BBOX>
```

The result is that the CSW MetaSearch interacts with does not have enough information about the spatial query resulting in inconsistent axis order handling.

MetaSearch should be more explicit with CRS so that a given CSW knows exactly the CRS of the bounding box to be able to detect axis order correctly.

Associated revisions

Revision 04b18f4d - 2017-12-22 10:21 PM - Tom Kralidis

[bugfix] [MetaSearch] make gml:Envelope CRS explicit for spatial queries (fixes #17739)

Revision 676bba29 - 2017-12-23 02:16 AM - Tom Kralidis

Merge pull request #5942 from tomkralidis/metasearch-explicit-crs

[bugfix] [MetaSearch] make gml:Envelope CRS explicit for spatial queries (fixes #17739)

Revision a947f6dc - 2017-12-23 02:29 AM - Tom Kralidis

[bugfix] [MetaSearch] make gml:Envelope CRS explicit for spatial queries (fixes #17739)

Revision d14955cf - 2017-12-23 02:32 AM - Tom Kralidis

[bugfix] [MetaSearch] make gml:Envelope CRS explicit for spatial queries (fixes #17739)

Revision 96cc10c0 - 2017-12-23 02:55 AM - Tom Kralidis

[bugfix] [MetaSearch] make gml:Envelope CRS explicit for spatial queries (fixes #17739)

History

#1 - 2017-12-23 02:16 AM - Tom Kralidis

- % Done changed from 0 to 100
- Status changed from Open to Closed

Applied in changeset commit:qgis|04b18f4d43a488ae480ff852f6b9487fea64ccd7.

#2 - 2017-12-23 02:55 AM - Tom Kralidis

fixed in branches:

- master
- release-2_18
- release-2_16
- release-2_14

#3 - 2018-02-22 11:40 AM - Giovanni Manghi

- Resolution set to fixed/implemented