

# Application: gvSIG desktop - gvSIG bugs #4109

## The Italian RDN2008\* CRSs are not supported

02/15/2016 12:40 PM - Antonio Falciano

<b>Status:</b>	Closed	<b>% Done:</b>	0%
<b>Priority:</b>	High	<b>Spent time:</b>	0.00 hour
<b>Assignee:</b>	Daniel Martinez		
<b>Category:</b>	CRS		
<b>Target version:</b>	2.3.0-2426 (rev. org.gvsig.desktop-2.0.132, NOT USABLE)		
<b>Severity:</b>	Minor	<b>Add-on version:</b>	
<b>gvSIG version:</b>	2.3.0	<b>Add-on build:</b>	
<b>gvSIG build:</b>	2421	<b>Add-on resolve version:</b>	
<b>Operative System:</b>		<b>Add-on resolve build:</b>	
<b>Keywords:</b>		<b>Proyecto:</b>	
<b>Has patch:</b>		<b>Hito:</b>	
<b>Add-on name:</b>	Unknown		

### Description

The Italian official RDN2008\* CRSs, introduced in the EPSG Registry v. 8.5, are not actually supported.

How to reproduce it:

- create a new View and open its properties;
- click on [...] button (current projection) in the General tab;
- choose EPSG type in the "New CRS" window;
- search by Name and type "RDN".

Result:

- the RDN\* CRSs are correctly listed in the "New CRS" window (because we have the EPSG Registry v. 8.7 behind...), but selecting one of them and clicking on the "Info CRS" button, a *java.lang.RuntimeException: OGR Error: Unsupported SRS* occurs, because the EPSG:670\_ and EPSG:687\_ CRSs are not actually supported in GDAL 1.11.3 (it uses the EPSG Registry v. 8.2).

### Associated revisions

#### Revision 172 - 02/25/2016 05:07 PM - Daniel Martinez

refs #4109 Se actualizan librerías de GDAL, la BBDD de EPSG y se corrige error en la clase CrsWkt cuando recibe una spatialReference con proyección.

#### Revision 530 - 02/25/2016 05:19 PM - Daniel Martinez

refs #4109 Se actualizan librerías de GDAL, la BBDD de EPSG y se corrige error en la clase CrsWkt cuando recibe una spatialReference con proyección.

### History

#### #1 - 02/15/2016 04:01 PM - Antonio Falciano

The solution is to update the *gvSIG-desktop\gvSIG-desktop-2.3.0\gvSIG\extensiones\org.gvsig.gdal.app.mainplugin\gdal\bin\gdal-data* folder to EPSG Registry v. 8.8, like in GDAL trunk: <https://trac.osgeo.org/gdal/changeset/32964>

Tested and it works.

Finally, updating also the EPSG Registry itself to v. 8.8 (#4029) in gvSIG should cover all the new CRSs introduced in it.

Related to #4029

**#2 - 02/15/2016 05:19 PM - Álvaro Anguix**

- Assignee set to Joaquín del Cerro Murciano

**#3 - 02/15/2016 10:07 PM - Andrea Antonello**

This would be quite important for Italian public administrations (I think they are mandatory).

Thanks for supplying a working solution Antonio.

**#4 - 02/22/2016 09:35 AM - Daniel Martinez**

Hi Antonio,

I tried the indicated changes. But it only works for RDN2008, which is the only one not projected.

The others are projected and when I tried to push the Info CRS button, failed.

It seems that this fail is due to a null parameter. Debugging it, I have find out that this parameter is Param\_name which is not created through "public CrsWkt(SpatialReference spatialReference)" constructor (although it seems to be created using the other constructors in the class).

Now I am trying to modify this constructor to initialize correctly param\_name.

**#5 - 02/22/2016 09:48 AM - Antonio Falciano**

Daniel Martinez wrote:

*I tried the indicated changes. But it only works for RDN2008, which is the only one not projected.  
The others are projected and when I tried to push the Info CRS button, failed.*

Hi Daniel, it works only for geographic CRSs at the moment, because of #4026. But it should work for all projections if the projected CRSs will be fixed.

*It seems that this fail is due to a null parameter. Debugging it, I have find out that this parameter is Param\_name which is not created through "public CrsWkt(SpatialReference spatialReference)" constructor (although it seems to be created using the other constructors in the class).*

Consider also #3954#note-12. Sometimes the issue may be due to projection name aliases that are not updated.

*Now I am trying to modify this constructor to initialize correctly param\_name.*

Thank you very much for your attention.

**#6 - 02/27/2016 11:23 AM - Joaquín del Cerro Murciano**

- Target version changed from 2.3.0-2447-final (rev. org.gvsig.desktop-2.0.153) to 2.3.0-2426 (rev. org.gvsig.desktop-2.0.132, NOT USABLE)

- Status changed from New to Fixed

**#7 - 02/27/2016 11:24 AM - Joaquín del Cerro Murciano**

- Assignee changed from Joaquín del Cerro Murciano to Daniel Martinez

**#8 - 03/14/2016 11:09 AM - Antonio Falciano**

- Status changed from Fixed to Closed

