

## Application: gvSIG desktop - gvSIG bugs #571

### The projection library basic implementation provides support for very few projections

04/25/2012 10:15 AM - Cesar Ordiñana

<b>Status:</b> Closed	<b>% Done:</b> 100%
<b>Priority:</b> Urgent	<b>Spent time:</b> 0.00 hour
<b>Assignee:</b> Cesar Ordiñana	
<b>Category:</b> Application	
<b>Target version:</b> 2.0.0-alpha5	
<b>Severity:</b>	<b>Add-on version:</b>
<b>gvSIG version:</b> 2.0.0	<b>Add-on build:</b>
<b>gvSIG build:</b> 2046	<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> No	<b>Hito:</b>
<b>Add-on name:</b> Application gvSIG (org.gvsig.app)	

**Description**

The projection library basic implementation which is installed by default in gvSIG provides support for very few projection types and does not allow the user to define them. One example of comment provided is (in Spanish):

*No se puede seleccionar la proyección por número de EPSG (que en ppio no habría problemas con esto), se elige un DATUM (WGS84) una proyección (UTM) y un Huso (Huso 21) pero no se puede elegir la zona del globo SUR. Viene un rango determinado entre los husos 1 a 60 correspondientes a la zona Norte.*

In a typical gvSIG desktop installation this is not a problem because the JCRS implementation is used, but the user might choose not to install it. Also in the gvSIG educa project, in the Batoví distribution the JCRS plugin is not included, as it is based in native libraries not available in the OLPC platform.

We need a 100% java implementation which provides better support for projection definition.

**Related issues:**

Related to gvSIG educa bugs - gvSIG Educa bugs # 586: No se pueden emplear pr...	<b>Fixed</b>	<b>05/07/2012</b>
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#### History

##### #1 - 04/25/2012 10:16 AM - Cesar Ordiñana

- Status changed from New to In progress
- Assignee set to Cesar Ordiñana

##### #2 - 05/10/2012 10:59 AM - Cesar Ordiñana

- Target version set to 2.0.0-alpha5

##### #3 - 05/10/2012 04:34 PM - Cesar Ordiñana

- % Done changed from 0 to 90

New implementation based on the proj4j library created into the gvsig-jcrs project, available through the repository path:

<https://devel.gvsig.org/svn/gvsig-jcrs/org.gvsig.proj>

Needs some testing to check it is working as expected.

**#4 - 05/14/2012 04:44 PM - Cesar Ordina**

- *Status changed from In progress to Fixed*
- *% Done changed from 90 to 100*

New plugin (org.gvsig.proj.app.mainplugin) created and available through the gvSIG desktop 2.0 addons index.

Also available to be downloaded in the URL: <http://devel.gvsig.org/download/projects/gvsig-jcrs/pool/org.gvsig.proj.app.mainplugin/>

**#5 - 06/28/2012 10:02 AM - María Maluenda**

- *Status changed from Fixed to Closed*

Closed in the gvSIG build 2049.