

# Application: gvSIG desktop - gvSIG feature requests #756

## Support for CRS:84

06/08/2012 10:54 AM - Manuel Madrid

|                        |                      |                                |           |
|------------------------|----------------------|--------------------------------|-----------|
| <b>Status:</b>         | Closed               | <b>% Done:</b>                 | 0%        |
| <b>Priority:</b>       | Normal               | <b>Spent time:</b>             | 0.00 hour |
| <b>Assignee:</b>       | Juan Lucas Domínguez |                                |           |
| <b>Category:</b>       | CRS                  |                                |           |
| <b>Target version:</b> | 2.0.0-devel-2052     |                                |           |
| <b>gvSIG version:</b>  | 2.0.0                | <b>Add-on resolve version:</b> |           |
| <b>Keywords:</b>       |                      | <b>Add-on resolve build:</b>   |           |
| <b>Has patch:</b>      | No                   | <b>Proyecto:</b>               |           |
| <b>Add-on name:</b>    | Unknown              | <b>Hito:</b>                   |           |
| <b>Add-on version:</b> |                      |                                |           |
| <b>Description</b>     |                      |                                |           |

### History

#### #1 - 07/02/2012 08:09 PM - Manuel Madrid

- Target version set to 2.0.0-rc1

#### #2 - 08/29/2012 12:59 PM - Juan Lucas Domínguez

- Assignee set to Juan Lucas Domínguez

#### #3 - 09/03/2012 11:25 AM - Juan Lucas Domínguez

- Status changed from New to Fixed

gvSIG-jcrs:r58

Done.

Added new CRS repository (called "NoAuth" = Without authority, which means there is no organization behind it such as EPSG, ESRI, etc) for CRSs called "CRS:\*" and added CRS:84.

EPSG transformations are used only when both source and target CRS are EPSG:\* so they cannot be used now with CRS:84.

Therefore, transformation has to be manual, grid, etc.

#### #4 - 09/03/2012 02:47 PM - Juan Lucas Domínguez

Tests:

- Manual transformation works OK using CRS:84

- Grid transformation NTv2 does not work (the grid is defined as "ED50 to ETRS89", but if the user acts as if it was "ED50 to WGS84" the it should work, but it does not). Perhaps the parameters passed to proj4 in this case are not the WKT but the abbrev (CRS:84) and proj4 does not accept it?

#### #5 - 09/06/2012 12:31 PM - Joaquín del Cerro Murciano

- Target version changed from 2.0.0-rc1 to 2.0.0-devel-2053

**#6 - 09/06/2012 12:36 PM - Joaquín del Cerro Murciano**

- Target version changed from 2.0.0-devel-2053 to 2.0.0-devel-2052

**#7 - 09/11/2012 10:05 AM - María Maluenda**

- Status changed from Fixed to Under review

Need instructions in order to check the bugfix

**#8 - 09/11/2012 01:19 PM - Juan Lucas Domínguez**

- Status changed from Under review to New

**#9 - 09/11/2012 01:26 PM - Juan Lucas Domínguez**

- File bcn-crs84.zip added

- Status changed from New to Fixed

Steps with BN 2052:

- Unzip the file bcn-crs84.zip (attached) and there is a SHP file
- Create a view in EPSG:32630
- Add the SHP from the ZIP file, but before clicking "Accept", go to the properties and change the coordinate system. Choose "CRS" in the combo box and search for the code 84. You'll see "CRS:84". Choose "without transformation" and click "Accept". You will see a polygon which represents a building in Barcelona.
- Add a WMS layer using the Catastro server (<http://ovc.catastro.meh.es/Cartografia/WMS/ServidorWMS.aspx>) choose the Catastro layer and choose EPSG:32630 (JPG, for example). Click ok
- Change the order of the layers in the view and you will see that there is a building in Catastro that matches exactly the initial shapefile. This means gvSIG has understood the code "CRS:84"

**#10 - 11/08/2012 12:44 PM - Abenchara Socorro**

- Status changed from Fixed to Closed

**Files**

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|               |           |            |                      |
|---------------|-----------|------------|----------------------|
| bcn-crs84.zip | 649 Bytes | 09/11/2012 | Juan Lucas Domínguez |
|---------------|-----------|------------|----------------------|