

Application: gvSIG desktop - gvSIG bugs #4026

NullPointerException when clicking on the "Info CRS" button

01/19/2016 09:49 AM - Antonio Falciano

Status:	Closed	% Done:	0%
Priority:	Normal	Spent time:	0.00 hour
Assignee:			
Category:	CRS		
Target version:	2.3.0-2429 (rev. org.gvsig.desktop-2.0.135), NOT USABLE)		
Severity:	Minor	Add-on version:	
gvSIG version:	2.3.0	Add-on build:	
gvSIG build:	2414	Add-on resolve version:	
Operative System:		Add-on resolve build:	
Keywords:		Proyecto:	
Has patch:		Hito:	
Add-on name:	Unknown		
Description			
Sometimes when I click on the "Info CRS" button in the "New CRS" window, a NullPointerException occurs. It happens only for some CRSs (e.g. 23030). It seems to be due to the +towgs84 parameters.			

History

#1 - 02/15/2016 12:30 PM - Antonio Falciano

- Target version set to 2.3.0-2447-final (rev. org.gvsig.desktop-2.0.153)

More in detail, this issue happens only with projected CRSs. 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 Area and type "Italy".

Results:

1. selecting a geographic CRS (except EPSG:6706) and clicking on the "Info CRS" button, it works fine;
2. selecting a projected CRS (except EPSG:670_ and EPSG:687_) and clicking on the "Info CRS" button, a NullPointerException occurs;
3. finally, selecting one of the EPSG:670_ and EPSG:687_ CRSs and clicking on the "Info CRS" button, a java.lang.RuntimeException: OGR Error: Unsupported SRS occurs (but this is another issue).

Conclusions:

1. the geographic CRSs are fully supported and "Info CRS" shows its proj4 string with the +towgs84 parameters used by GDAL;
2. the projected CRSs are not associated to their relative geographic ones, so the proj4 string is not available because the +towgs84 parameters are missing;
3. the EPSG:670_ and EPSG:687_ CRSs are not actually supported in GDAL 1.11.3, because - if I'm not wrong - GDAL 1.11.x uses the EPSG Registry v. 8.2, while these CRSs were introduced in v. 8.5 (GDAL 2.0.x).

#2 - 02/15/2016 01:09 PM - Álvaro Anguix

- Target version deleted (2.3.0-2447-final (rev. org.gvsig.desktop-2.0.153))

#3 - 02/22/2016 09:56 AM - Antonio Falciano

The point 3. above (another issue) is described in #4109 in order to be considered separately.

#4 - 03/14/2016 12:02 PM - Antonio Falciano

- *Target version set to 2.3.0-2429 (rev. org.gvsig.desktop-2.0.135, NOT USABLE)*
- *Status changed from New to Closed*

The issue is disappeared/fixd in build 2426, so I close the ticket.