

Application: gvSIG desktop - gvSIG bugs #4531

Projections for Portugal are not always recognized correctly

07/10/2017 04:18 PM - Antonio Falciano

Status:	Closed	% Done:	0%
Priority:	Normal	Spent time:	0.00 hour
Assignee:			
Category:	CRS		
Target version:	2.4.0-2835 (rev. org.gvsig.desktop-2.0.202)		
Severity:	Major	Add-on version:	
gvSIG version:	2.4.0	Add-on build:	
gvSIG build:	2827	Add-on resolve version:	
Operative System:		Add-on resolve build:	
Keywords:		Proyecto:	
Has patch:	Yes	Hito:	
Add-on name:	Unknown		

Description

ESRI projections for Portugal are not always well recognized, because gvSIG searches only in the EPSG Registry when trying to match a projection file with an existing CRS code (see #4290).

Some discussions about it:

<http://osgeo-org.1560.x6.nabble.com/EPSCodes-for-Portugal-td5322515.html>

<http://osgeo-org.1560.x6.nabble.com/Fwd-Projections-for-Portugal-td5325819.html>

<https://forum.openstreetmap.org/viewtopic.php?id=57756>

Sample data:

<https://drive.google.com/file/d/0ByBJp2L6jySyWGh1dVh5Q2R5S1E/view?usp=sharing>

I attach a patch in order to make faster projection file recognition than in gvSIG 2.3.1, detecting also ESRI WKTs when there's not an exact match in EPSG Registry. Generally, if the SR code is less of 33000 the SR is interpreted as an EPSG one (with transformation parameters predefined in GDAL), otherwise as an ESRI one (without transformation parameters). So the user has to set the transformation parameters in the last case.

The patch also contains an update of the esri.script file derived from the esri-proj-codes project (<https://github.com/Esri/esri-proj-codes>), licensed under the Apache License, Version 2.0.

Related issues:

Related to Application: gvSIG desktop - gvSIG bugs # 4869: Falla al cargar un...

Closed

05/03/2018

Related to Application: gvSIG desktop - gvSIG bugs # 4832: The PRJ file is no...

Closed

03/05/2018

Associated revisions

Revision 727 - 09/02/2017 08:17 PM - Joaquín del Cerro Murciano

refs #4531, Patch provided by Antonio Falciano. Better recognition of the ESRI projections for Portugal

Revision 841 - 05/08/2018 11:55 AM - Joaquín del Cerro Murciano

refs #4531, #4832, #4869. Refactorizado la identificación de la proyección a partir de WKT. Se han recuperado algoritmos de varias versiones anteriores y se aplican uno tras otro hasta obtener una identificación de la proyección.

History

#1 - 07/13/2017 06:14 PM - Antonio Falciano

- File *gvSIG-desktop-2.4.0-org.gvsig.projection.app.jcrs-2.1.71-SNAPSHOT-2125-testing-all-all-j1_7.gvspki* added

I've forgotten to attach also the package index (gvspki).

#2 - 07/27/2017 04:29 PM - Antonio Falciano

- Status changed from *New* to *Fixed*

#3 - 07/27/2017 04:31 PM - Antonio Falciano

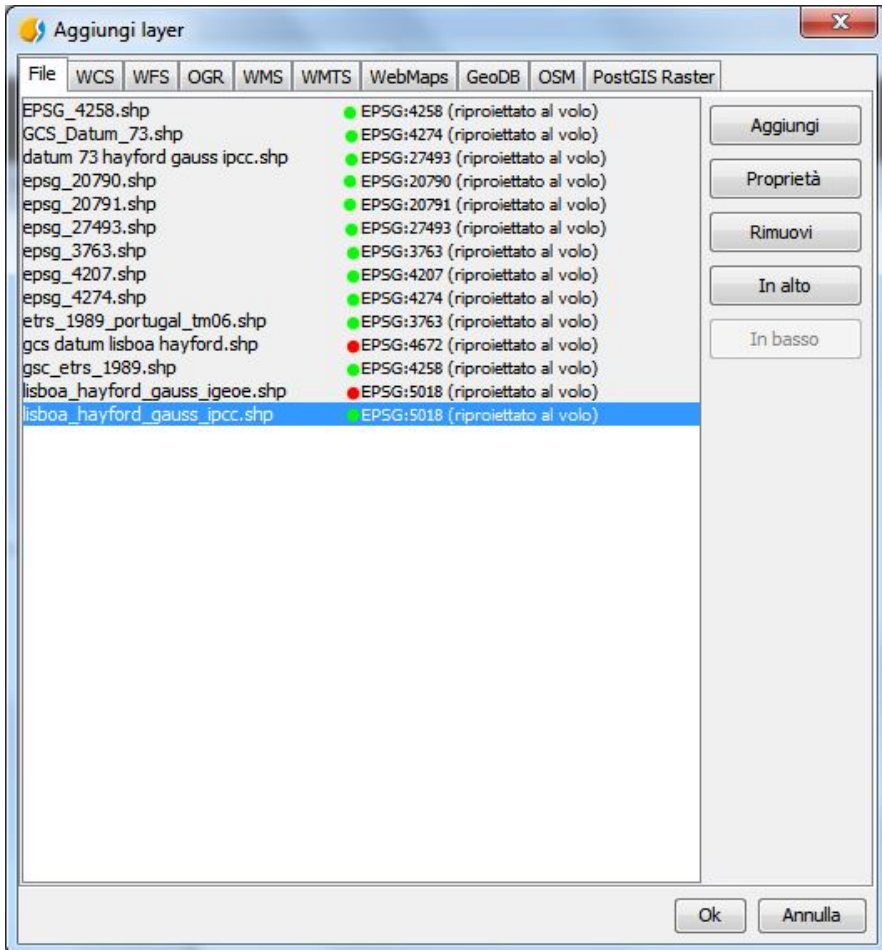
- Status changed from *Fixed* to *New*

#4 - 08/17/2017 05:29 PM - Antonio Falciano

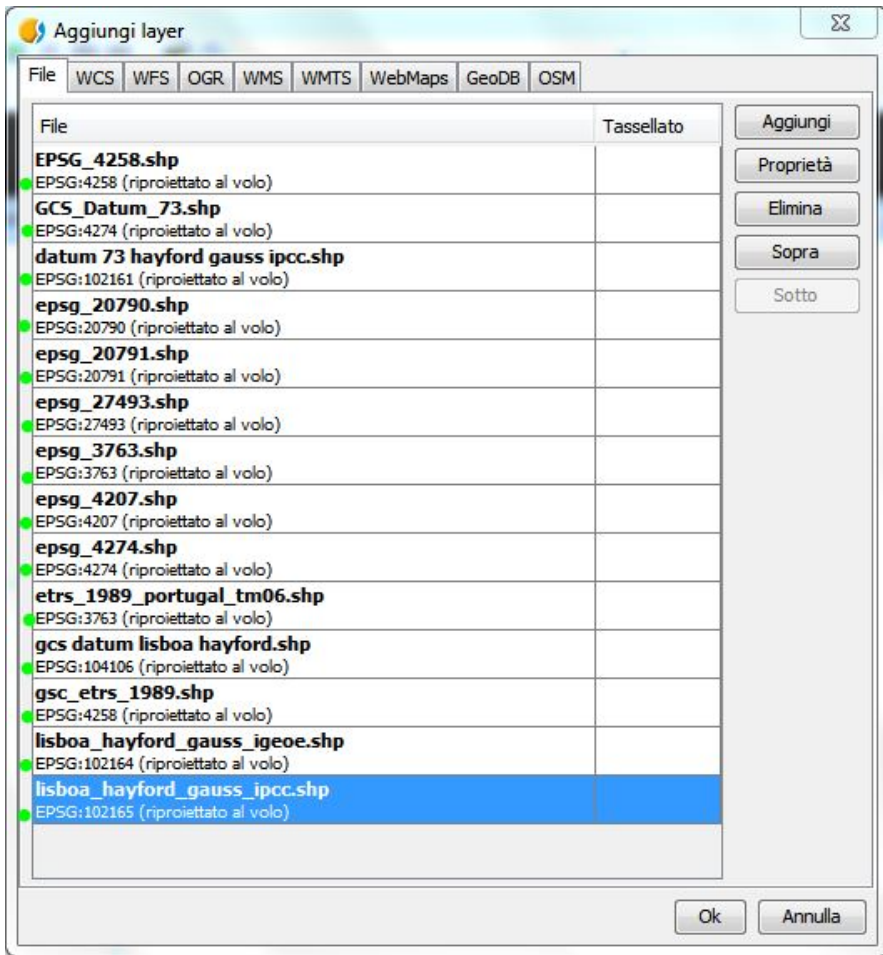
- Status changed from *New* to *Awaiting response*

- File *Projections for Portugal.zip* added

gvSIG 2.3.1 & gvSIG 2.4.0 without patch



gvSIG 2.4.0 with patch



#5 - 08/29/2017 01:06 PM - Joaquín del Cerro Murciano

- Target version changed from 2.4.0-2850-final (rev. org.gvsig.desktop-2.0.220) to 2.4.0-2839-RC2 (rev. org.gvsig.desktop-2.0.206)

#6 - 09/02/2017 08:16 PM - Joaquín del Cerro Murciano

- Target version changed from 2.4.0-2839-RC2 (rev. org.gvsig.desktop-2.0.206) to 2.4.0-2835 (rev. org.gvsig.desktop-2.0.202)

- Status changed from Awaiting response to Fixed

#7 - 09/06/2017 12:38 PM - Antonio Falciano

- Status changed from Fixed to Closed

#8 - 05/08/2018 11:52 AM - Joaquín del Cerro Murciano

- Related to gvSIG bugs #4869: Falla al cargar una capa intentando reconocer la proyeccion. added

#9 - 05/08/2018 11:54 AM - Joaquín del Cerro Murciano

- Related to gvSIG bugs #4832: The PRJ file is not recognized correctly added

Files

File Name	Size	Date	Author
esri_wkt.patch	2.65 MB	07/10/2017	Antonio Falciano
gvSIG-desktop-2.4.0-org.gvsig.projection.app.jcrs-2.1.71-SNAPSHOT-20150811-testing-all-07112017.pkg	2.025 MB	07/11/2017	Antonio Falciano
portugal_240_patch.jpg	75.3 KB	07/10/2017	Antonio Falciano
portugal_231.jpg	63.6 KB	07/10/2017	Antonio Falciano
gvSIG-desktop-2.4.0-org.gvsig.projection.app.jcrs-2.1.71-SNAPSHOT-20150811-testing-all-07112017.pkg	2.025 MB	07/11/2017	Antonio Falciano
Projections for Portugal.zip	1.41 MB	08/17/2017	Antonio Falciano