

Application: gvSIG desktop - gvSIG bugs #4636
Strange projection discrepancy

08/22/2017 10:52 AM - Andrea Antonello

Status: Closed	% Done: 0%
Priority: High	Spent time: 0.00 hour
Assignee:	
Category: Raster	
Target version:	
Severity: Major	Add-on version:
gvSIG version: 2.4.0	Add-on build:
gvSIG build:	Add-on resolve version:
Operative System:	Add-on resolve build:
Keywords:	Proyecto:
Has patch:	Hito:
Add-on name: Unknown	

Description

I am not sure how to best summarize this, so I will try to give more information as possible.

Workflow:

- 0) my default prj for new map views is 32632
- 1) in gvsig I create a 3003 map view
- 2) I add a tiff that has a 3003 epsg projection inside
- 3) it recongnises the tiff as 32632 and wants to reproject it

I noticed all this because I reopened a project that contained only that pit. The map is then properly set to 3003, but the layer is 32632 reprojected.

I attach an image with all those info and the tiff file used.

The result of gdalinfo is:

```
/media/hydrologis/Samsung_T3/MAZONE/PITFILLE/flanginec >>> gdalinfo pit.tiff
Driver: GTiff/GeoTIFF
Files: pit.tiff
Size is 355, 361
Coordinate System is:
PROJCS["Monte Mario / Italy zone 1 - Peninsular Part/Accuracy 3-4m",
  GEOGCS["Monte Mario",
    DATUM["Monte_Mario",
      SPHEROID["International 1924",6378388,297.000000000005,
        AUTHORITY["EPSG","7022"]],
      AUTHORITY["EPSG","6265"]],
    PRIMEM["Greenwich",0],
    UNIT["degree",0.0174532925199433],
    AUTHORITY["EPSG","4265"]],
  PROJECTION["Transverse_Mercator"],
  PARAMETER["latitude_of_origin",0],
  PARAMETER["central_meridian",9],
  PARAMETER["scale_factor",0.9996],
  PARAMETER["false_easting",1500000],
```

```
PARAMETER["false_northing",0],
UNIT["metre",1,
  AUTHORITY["EPSG","9001"]]
Origin = (1637140.0000000000000000,5114440.0000000000000000)
Pixel Size = (10.000000000000000,-10.000000000000000)
Metadata:
  AREA_OR_POINT=Area
  TIFFTAG_RESOLUTIONUNIT=1 (unitless)
  TIFFTAG_XRESOLUTION=1
  TIFFTAG_YRESOLUTION=1
Image Structure Metadata:
  INTERLEAVE=BAND
Corner Coordinates:
Upper Left ( 1637140.000, 5114440.000) ( 10d46'35.17"E, 46d10' 7.89"N)
Lower Left ( 1637140.000, 5110830.000) ( 10d46'31.41"E, 46d 8'10.99"N)
Upper Right ( 1640690.000, 5114440.000) ( 10d49'20.63"E, 46d10' 5.29"N)
Lower Right ( 1640690.000, 5110830.000) ( 10d49'16.77"E, 46d 8' 8.38"N)
Center ( 1638915.000, 5112635.000) ( 10d47'55.99"E, 46d 9' 8.15"N)
Band 1 Block=355x8 Type=Float64, ColorInterp=Gray
```

History

#1 - 08/22/2017 11:48 AM - Antonio Falciano

Hi Andrea,

I can reproduce the bug. First, it seems that the CRS of pit.tiff is missing an important information: the tag AUTHORITY. Without it, gvSIG is not able to recognize the CRS of raster layers and it assumes it's equal to the view one (EPSG:3003). Assumes, but not sets... Because if we add it and then check the raster properties, its CRS WKT is empty and further no rmf file is generated (**1st issue**). Then if we save and then reopen the project, checking again the raster properties we can see that it's set to the default one (EPSG:32632) and a rmf file is generated this time containing this wrong assumption... here's the **2nd issue**!

#2 - 04/20/2020 12:40 PM - Álvaro Anguix

- Status changed from New to Closed

He probado en el 3016 y funciona correctamente.

Files

projection_issue.png	163 KB	08/22/2017	Andrea Antonello
pit.tiff	1000 KB	08/22/2017	Andrea Antonello