



gvSIG 3D

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**Quarte Giornate Italiane
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Characteristics

- Raster and vector layers
- Elevation layers
- 3D symbology
 - Points, lines and polygons
 - Extrusion
 - 3D objects (symbols...)
- Animation framework

New features

- Migration to OSGVirtualPlanets 2.2.0
- Improvements in memory consumption
- Improvements in symbology
- Incorporation of the compass
- Improvements in display modes

Future

- gvSIG 2.0 and 3D.
- 3D vector editing
- OSG Virtual Planets on Web
- Incorporation of CityGML
- Vector multiresolution

Demo

Flat view

- Display over the XY plane and elevation over the Z plane
- It supports many reference systems

Spherical view

- Background colour
- Vertical exaggeration
- Vector layers, raster layers and remote services
 - Elevation layers
- Symbology and labelling
- Display over a planetary ellipsoid
- Reference system: EPSG4326

Demo

Symbology

- Single symbol
- Unique values
- Intervals
- ...



Labelling

- Labelling by a field of the attribute table

Demo

Stereo visualization



- Anaglyph
- Horizontal interlacing
- Vertical interlacing
- Horizontal split
- Left eye
- Right eye
- Quad buffer

Demo

Digital Elevation Model

- Contour lines



Extrusion



Demo

3D objects layers



- OSG driver
- .osg and .ive files
- Simple editing: scale and rotation

Demo

Animation



- Frame capture
- Duration
- Display mode

Grazie per l'attenzione

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