

CGS  
University of  
Nottingham



OSGIS 2011  
22<sup>nd</sup> June

# gvSIG 3D

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gvSIG Day 22<sup>nd</sup> June 2011

OSGIS 2011

Third Open Source GIS UK Conference (CGS, University of Nottingham, UK)

# Characteristics

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

# Demo

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## 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

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## Symbology

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



## Labelling

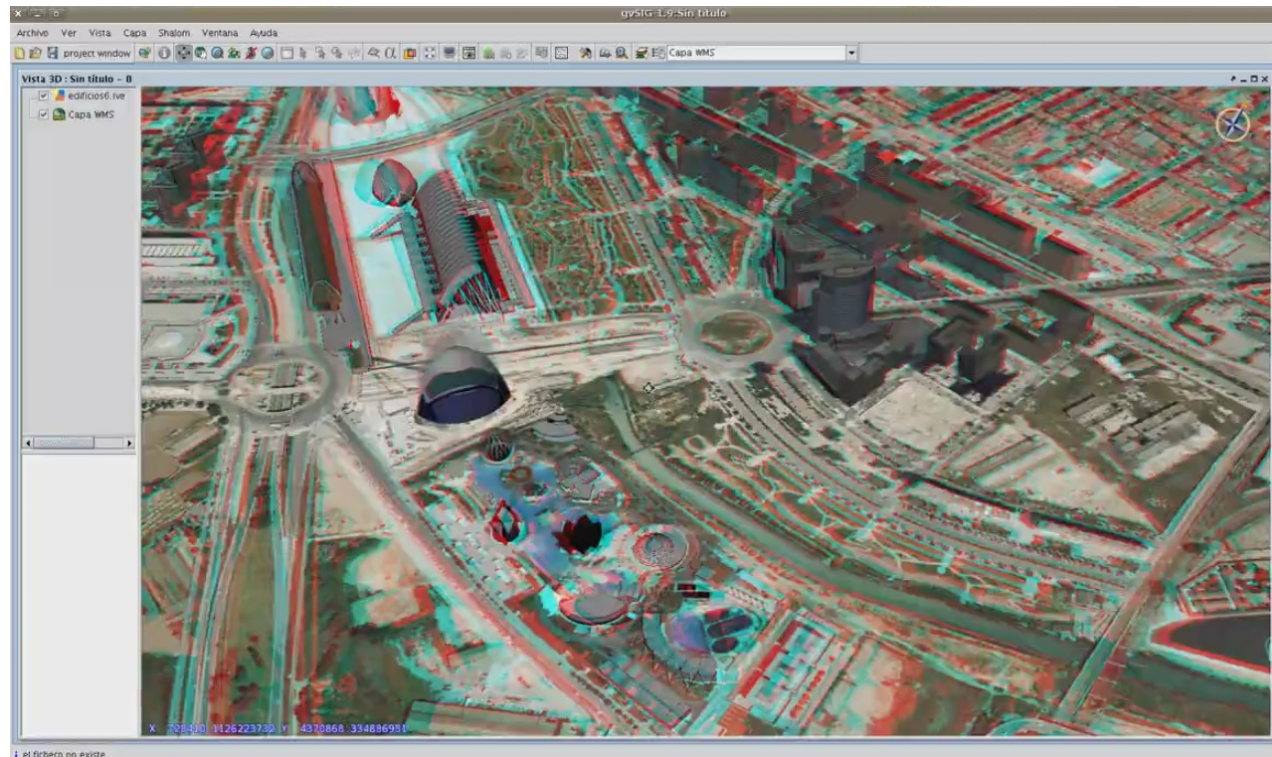
- Labelling by a field of the attribute table

# Demo

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## Stereo visualization

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



# Demo

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## Digital Elevation Model

- Contour lines



## Extrusion



# Demo

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## 3D objects layers



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

# Demo

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## Animation



- Frame capture
- Duration
- Display mode



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# Thank you very much!!!

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