

OGR library support for gvSIG Mini

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1. Introduction

By integrating the OGR library into gvSIG Mini we could get access several vector formats including the widespread SHP, GML, KML format so much demanded by the gvSIG Mini users. OGR offers us the perfect platform to implement demanding format transformations and the corresponding file format outputs as many desktop GIS application already do

2. Background

At this moment, gvSIG gets access to a reduced list of file formats and transformations.

3. The idea

The main idea behind this project is about integrating the OGR library into gvSIG Mini. The OGR library provides several capabilities for simple features vector data; however it should be mentioned that OGR is also part of the GDAL source tree, so that by integrating OGR we do integrate GDAL as well, getting access to GDAL raster capabilities(for future developments). This proposal improves the application interoperability, and in general terms, the supported range of geoprocesses and transformations.

Once the solution is adapted and compiled, we would proceed to adapt and connect the full OGR data model with the data model gvSIG works with and provide full support to the SHP format. The implementation is intended to be done in a way future formats supports are easily developed.