

Serviços de Dados Geográficos

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Panorama sobre o Software Aberto para SIG



Panorama sobre o Software Aberto para SIG

- Na área dos **SIG** existem inúmeros projectos de *Software Free/Open Source*.
- Sourceforge: mais de 900 projectos.

The screenshot shows the SourceForge website with search results for "GIS". The page displays a list of 902 programs. On the left, there are filters for OS (Windows, Linux, etc.), Category (Scientific/Engineering, Multimedia, etc.), License (OSI-Approved Open Source, etc.), Translations (English, French, etc.), and Programming Language (Java, C++, etc.). The main results list includes:

- 902 programs for "GIS"** | [Widen Your Search](#) | Sort By: [Most Popular](#)
- Unlocking your future growth through workflow automation.**
Low-Code BPM Suite for high-performance teams.
Flokzu is a no-code / low-code SaaS to define and automate business processes and workflows between people, involving electronic forms. It enhances the collaboration between people who perform different tasks in an organization or team. You have in just one place every form, document or file, search through them, manage pending tasks, define alerts, and integrate... [Expand](#) [Free Trial](#)
- Maintain culture, boost morale and promote core values without the hassle of managing your own internal program.**
360 recognition & rewards program to maintain culture in the modern workforce
Nectar is the most flexible and cost-effective way for modern workforces to foster appreciation and connection across all teams, anywhere. [Learn More](#)
- GeoServer**
GeoServer is an open source software server written in Java that allows users to share and edit geospatial data. Designed for interoperability, it publishes data from any major spatial data source using open standards: WMS, WFS, WPCS, WPS and REST
★★★★★ 43 Reviews Downloads: 12,851 This Week Last Update: 2020-09-02 [See Project](#)
- GeographicLib**
Geographic library
GeographicLib is a small set of C++ classes for converting between geographic, UTM, UPS, MGRS, and geocentric coordinates, for gravity (e.g., EGM2008), geoid, and geomagnetic field (e.g., WMM2010) calculations, and for solving geodesic problems. For documentation, visit <https://geographiclib.sourceforge.io>
★★★★★ 10 Reviews Downloads: 4,359 This Week Last Update: 2020-08-25 [See Project](#)
- CatMDEdit - metadata editor**
CatMDEdit is a metadata editor tool for describing resources, mainly geographic information. Developed by IAAA (University of Zaragoza) and GeoSpatiumLab S.L., sponsored by IGN Spain. Technical details: Java, XML, multiplatform, multilingual.
★★★★★ 7 Reviews Downloads: 1,451 This Week Last Update: 2014-10-17 [See Project](#)
- SAGA GIS**
SAGA - System for Automated Geoscientific Analyses - is a Geographic Information System (GIS) software with immense capabilities for geodata processing and analysis. SAGA is programmed in the object oriented C++ language and supports the implementation of new functions with a very effective Application Programming Interface (API). Functions are organised... [Expand](#)

Panorama sobre o Software Aberto para SIG

- A OSGeo foi criada para fomentar e apoiar o desenvolvimento de aplicações em código aberto para SIG.

OSGeo Projects

Content Management Systems

GeoNode

Desktop Applications

Marble

gvSIG Desktop

QGIS Desktop

GRASS GIS

Geospatial Libraries

PROJ

GeoTools

Orfeo ToolBox

GDAL/OGR

GEOS

Metadata Catalogs

GeoNetwork

pycsw

Other

OSGeoLive

Spatial Databases

PostGIS

Web Mapping

MapServer

deegree

OpenLayers

GeoMoose

Mapbender

PyWPS

GeoServer

Panorama sobre o Software Aberto para SIG

- O objetivo é contribuir para a difusão generalizada destas aplicações à comunidade.



- Instalador Windows



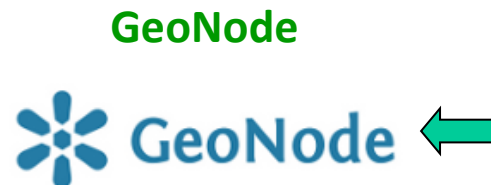
- Distribuição Linux (Lubuntu)

Panorama sobre o Software Aberto para SIG

- Base de Dados
- Servidores de mapas
- Plataformas
- *Desktop*
- Clientes WEB
- Navegação
- Bibliotecas e ferramentas para manipulação de dados geográficos

Ferramentas Open Source

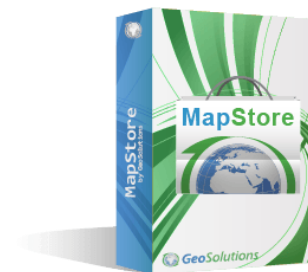
- Servidores - Criação e publicação de dados espaciais na WEB



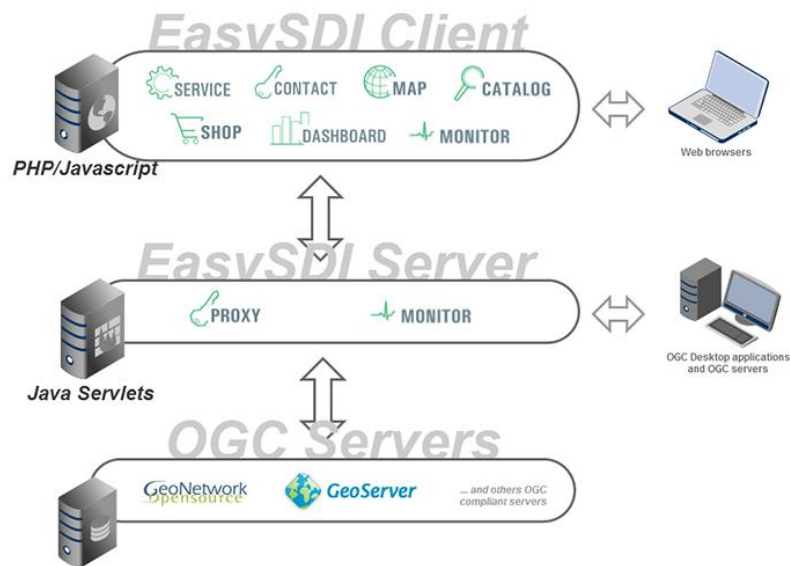
Ferramentas Open Source



easySDI



MapStore



MapStore

Ferramentas Open Source

- Clientes - Desktop e WEB

QGIS



gvSIG



uDig



OpenLayers



GeoMOOSE



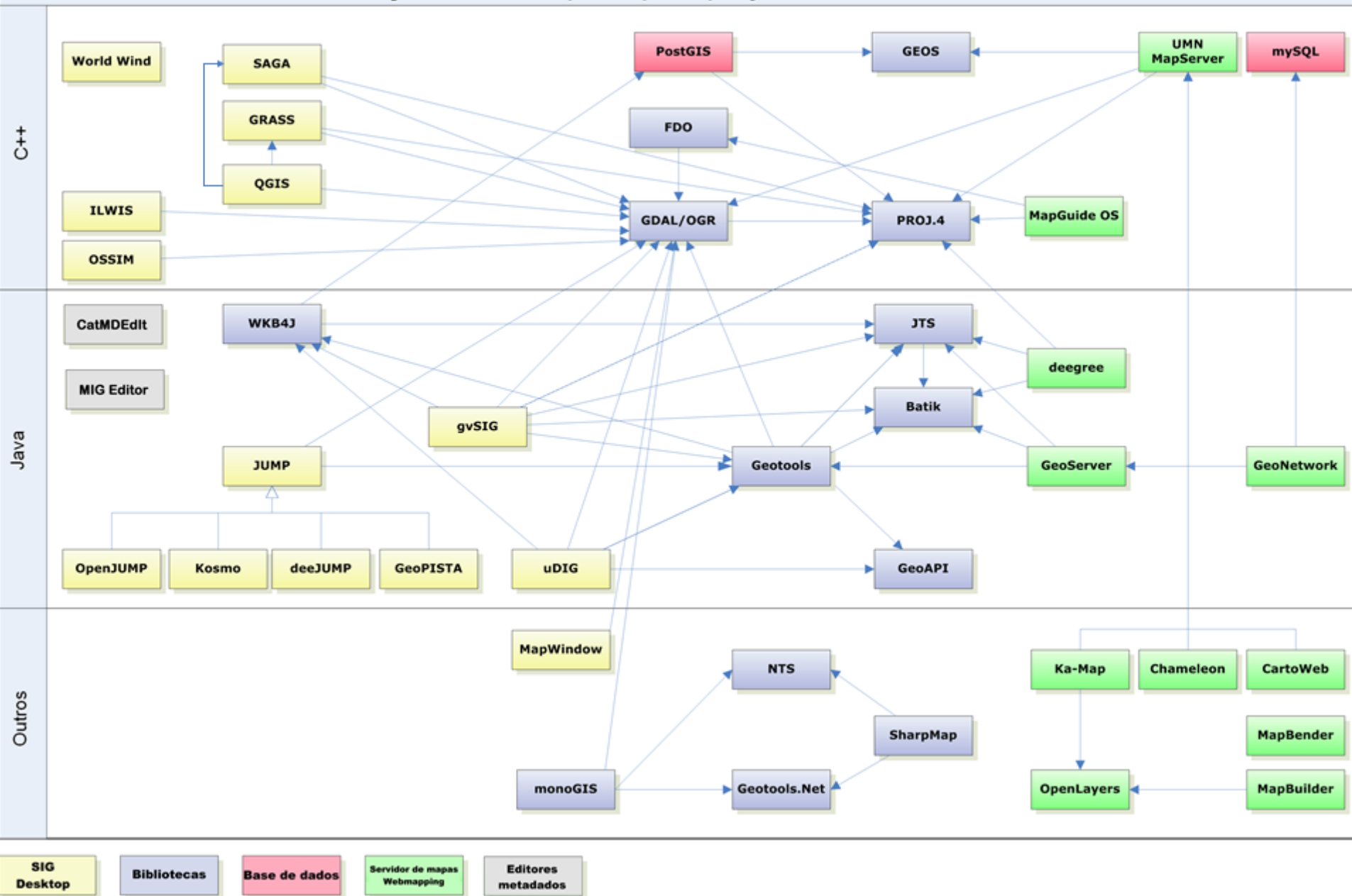
Mapbender



só WMS



Relação entre os principais projectos GFOSS - SIG



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