

# ***Serviços de Dados Geográficos***

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Membro fundador do Capítulo Português da OSGeo

Membro da Direcção da OSGeo Portugal, até Setembro 2014

Membro conselheiro da OSGeo Portugal

Charter Member da OSGeo International

<http://wiki.osgeo.org/wiki/User:Dfurtado>

# ***Agenda***

1. Panorama sobre o Software Aberto para SIG
  - Ferramentas Open Source

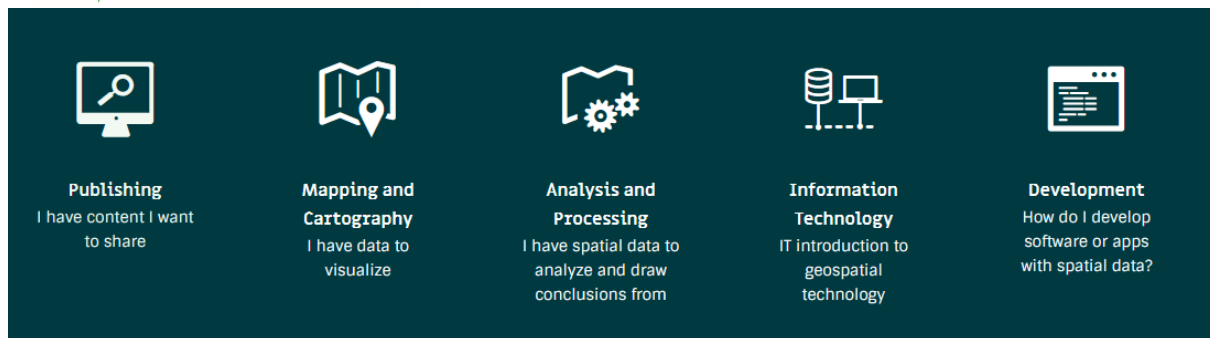
# Panorama sobre o Software Aberto para SIG

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

The screenshot displays the SourceForge website interface. At the top, the navigation bar includes 'SOURCEFORGE', 'Open Source Software', 'Business Software', 'Services', 'Resources', and links for 'Help', 'Create', 'Join', and 'Login'. Below the navigation bar, the search results are titled 'Results for: GIS'. The left sidebar contains filters for 'OS' (Windows, Linux, etc.), 'Category' (Scientific/Engineering, Multimedia, etc.), 'License' (OSI-Approved Open Source, Public Domain, etc.), 'Translations' (English, French, etc.), and 'Programming Language' (Java, etc.). The main content area shows '1286 programs for "GIS"' and lists several projects:

- avochato**: Texting for business the easy way. Forget Email and Start Engaging Customers & Leads More Effectively. Avochato is an easy to use text messaging software solution built for sales, support, and operations teams. Avochato offers businesses the easiest way to connect to their customers, get more responses, and achieve higher conversion. It comes with a lead-generation chat widget, live inbox, broadcasting, automated surveys, programmable APIs, message templates, status tracking, and more. [Learn More](#)
- Katana**: The Best MRP Software for Small Businesses. Gain control of your inventory and production operations with Katana MRP system. Katana is the #1 modern manufacturing & inventory software for scaling businesses. Automate your workflows with Katana's visual interface and smart auto-booking engine, which allow you to prioritize orders and see the availability of raw materials & finished goods in real-time. [Try for Free](#)
- 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 as modules in framework... [Expand](#) [See Project](#)
- Gis Weather**: Customizable weather widget. [See Project](#)
- GeoTools, the Java GIS toolkit**: Toolkit for working with and mapping geospatial data. GeoTools is an open source (LGPL) Java code library which provides standards compliant methods for the manipulation of geospatial data. GeoTools is an Open Source Geospatial Foundation project. The GeoTools library data structures are based on Open Geospatial Consortium (OGC) specifications. [See Project](#)
- 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, WCS, WPS and REST.

# Panorama sobre o Software Aberto para SIG



- A OSGeo foi criada para fomentar e apoiar o desenvolvimento de aplicações em código aberto para SIG.
- O seu objetivo é contribuir para a difusão generalizada destas aplicações à comunidade.

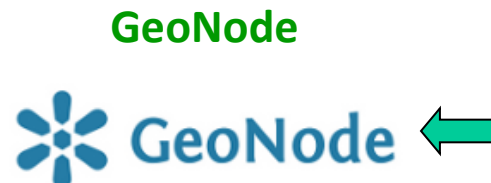


# ***Panorama sobre o Software Aberto para SIG***

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

# Ferramentas Open Source

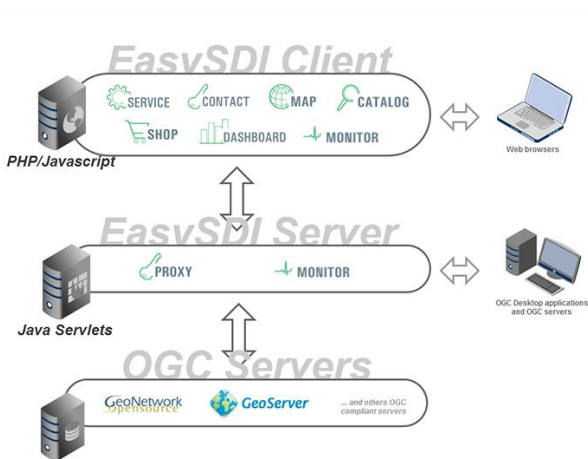
- Servidores - Criação e publicação de dados espaciais na WEB



# Ferramentas Open Source



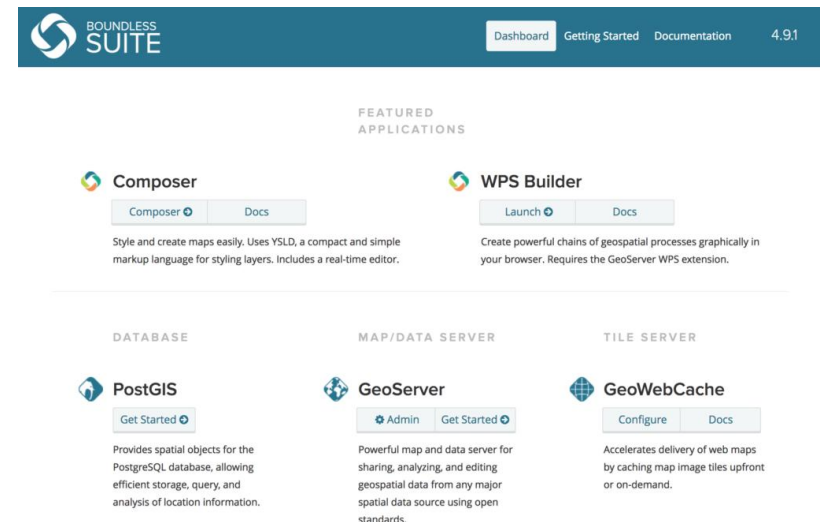
**easySDI**



**MapStore**



**GeoSpatial Apps**



**Boundless Geo**



# Ferramentas Open Source

- Clientes - Desktop e WEB

QGIS



gvSIG



uDig



GeoMOOSE



OpenLayers



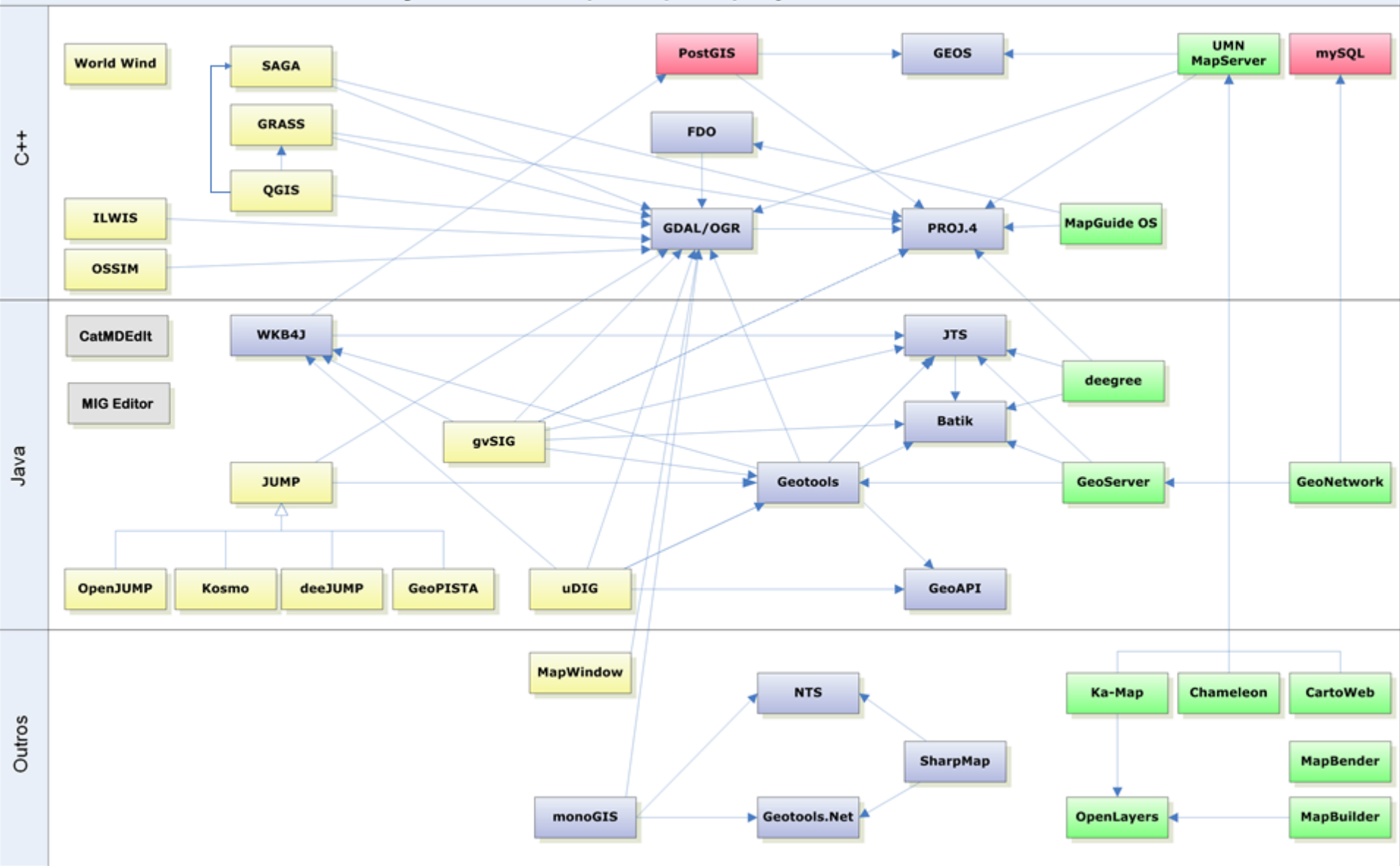
Mapbender



só WMS



## Relação entre os principais projectos GFOSS - SIG



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