## **ZOO-Project**

# OSGeo Community

### The Open WPS platform

#### What is

ZOO-Project provides a developer friendly Web Processing Service (WPS) framework for creating and chaining Web Processing Services, it is written in C.

It is an open source platform which implements the WPS 1.0.0 and WPS 2.0.0 standards edited by the Open Geospatial Consortium (OGC). A WPS provides web access to functions which run spatial algorithms. ZOO-Project supports many programming languages.



#### Components

Its core processing engine (aka Z00-Kernel) lets you execute a number of existing Z00-Services based on reliable software and libraries.

The Z00-Project platform is composed by:

Z00-Kernel: A WPS compliant implementation written in C offering a powerful WPS server able to manage and chain WPS services. By loading dynamic libraries and code written in different languages



Z00-Services: A growing collection of ready to use Web Processing Services built on top of reliable open source libraries such as GDAL, GRASS GIS, OrfeoToolbox, CGAL and SAGA GIS



Z00-API: A server-side JavaScript API for creating, chaining and orchestrating the available WPS Services



Z00-Client: A client side JavaScript API for interacting with WPS servers and executing standard requests from web applications



#### **Z00 Tribe**

The Z00 Tribe is the community around the Z00-Project and it is composed of the Z00 Tribal Council (Project Steering Comittee), Z00 Keepers (Comitters), Z00 Visitors (Users and Developers) and the Z00 supporters (Knowledge Partners and Sponsors).

#### 700 Habitat

ZOO-Project is used in commercial and accademic web GIS projects where GIS analysis is required through the web.

It can also be used for complete SDI application like MapMint.

