

A close-up, slightly angled view of a computer mouse. The mouse is light-colored with a dark, textured button. On the button is a stylized globe showing continents in dark blue and oceans in light blue. The mouse is resting on a light-colored, textured surface.

# **WEB MAPPING WITH DRUPAL**

**Ranel O. Padon**

# WHY WEB?

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connectivity & interaction

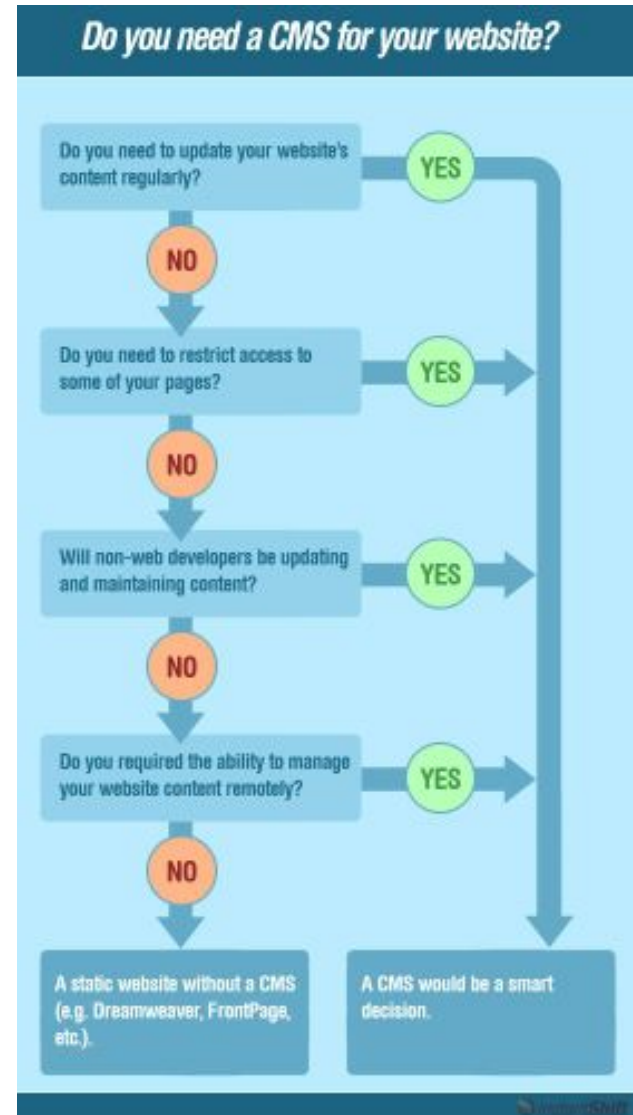
# WHY CMS?

**Why CMS?**

CMS, or Content Management Systems, is a wonderful alternative to using manual WYSIWYG HTML editors, website builders, and all the others costly website tools on the market.

**CMS Systems allow you to:**

- \*Easily create, publish, and manage content
- \*Create a solid web site structure
- \*Enjoy search engine friendly capabilities



# WHY CMS?

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## CMS

**Content creation**

**Content management**

**Reduced site maintenance costs**

**No need for programming knowledge**



### Benefits of CMS

- ✓ No technical skills needed
- ✓ Update your website from anywhere
- ✓ Instant corrections
- ✓ Long-term reduction in website maintenance costs

**GET QUOTE NOW**

# WHY CMS?

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HOW A CMS WORKS

# WHY CMS?

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# WHY CMS?

<b>ASP.NET</b>	ASP.NET MVC · ASP.NET Web Forms · ASP.NET Dynamic Data · BFC · DotNetNuke · MonoRail · OpenRasta · Umbraco
<b>ColdFusion</b>	ColdBox Platform · ColdSpring · Fusebox · Mach-II · Model-Glue · onTap · on Wheels
<b>Common Lisp</b>	CL-HTTP · SymbolicWeb · UnCommon Web · Weblocks
<b>C++</b>	CppCMS · Wt
<b>Java</b>	Apache Struts · AppFuse · Flexive · GWT · Grails · Vaadin · ItsNat · JavaServer Faces · Jspix · Makumba · OpenXava · Play · Eclipse RAP · Reasonable Server Faces · RIFE · Seam · Spring · Stripes · Tapestry · WebWork · Wicket · ZK · ICEfaces · WaveMaker
<b>Scala</b>	Lift (web framework) · Play · Circumflex
<b>JavaScript</b>	Ample SDK · Closure · Ext JS · Helma · <b>RingoJS</b> · Prototype JavaScript Framework · Rico · Sencha Touch · script.aculo.us · SproutCore · <b>jQuery</b> · Dojo Toolkit
<b>Perl</b>	Catalyst · Dancer · Gantry · Mason · Maypole · Mojolicious · Poet · WebGUI
<b>PHP</b>	AppFlower · CakePHP · CodeIgniter · <b>Drupal</b> · e107 · eZ Publish · FuelPHP · Horde · Joomla! · Laravel · Lithium · Midgard · MODX · Qcodo · Seagull · SilverStripe · Symfony · TYPO3 · WordPress · Xaraya · Yii · Zend Framework · Zeta Components
<b>Python</b>	BlueBream · CherryPy · Django · Flask · Nevow · Pyjamas · Pylons · Pyramid · Quixote · TurboGears · web2py · Zope 2 · Tornado · <b>Ultraweb</b>
<b>Ruby</b>	Ruby on Rails · Merb · Sinatra · Hobo · Camping · Nitro · Ramaze
<b>Smalltalk</b>	AIDAWeb · Seaside
<b>Other languages</b>	Application Express (PL/SQL) · HAppS (Haskell) · Kepler (Lua) · OpenACS (Tcl) · SproutCore (JavaScript/Ruby) · Yaws (Erlang)

# WHY PHP?

used by almost 30 Million websites around the world.

## Websites using PHP

Get a list of websites using PHP. We know of **27,986,426 websites using PHP**, 3,063,568 websites within the most visited sites on the internet and an additional 24,922,858 websites on the rest of the web.

## Similar Coverage

Technologies with similar web coverage to PHP.

Name	Sites
ASP.NET	10,170,352
Shockwave Flash Embed	7,446,387
Frontpage Extensions	4,362,738
Adobe Dreamweaver	3,492,255
Perl	1,406,601
Q&A	1,401,797
Microsoft Frontpage	881,408
Python	456,227
ASP.NET Ajax	331,909
J2EE	312,022
Adobe ColdFusion	203,240
Ruby on Rails	238,324
Visual Studio	107,493
Subversion	154,838
Adobe GoLive	150,658
Trellix Builder	29,900

<http://trends.builtwith.com/framework/PHP>



# WHY PHP?



Rasmus Lerdorf, who wrote the original Common Gateway Interface (CGI) component together with Andi Gutmans and Zeev Suraski, who rewrote the parser that formed PHP

3

Paradigm(s)	imperative, object-oriented, procedural, reflective
Appeared in	1995; 17 years ago <sup>[1]</sup>
Designed by	Rasmus Lerdorf
Developer	The PHP Group
Stable release	5.4.8 (October 18, 2012; 5 days ago)
Typing discipline	Dynamic, weak
Major implementations	Zend Engine, PH7 Embedded Engine, Phalanger, Quercus, Project Zero, HipHop
Influenced by implementation language	C, C++, Java, Perl, Tcl <sup>[1]</sup>
OS	Cross-platform
License	PHP License
Usual filename extensions	Common extensions .php Older, now uncommon extensions .phtml, .php4, .php3, .php5, .phps
Website	<a href="http://www.php.net">www.php.net</a> 

# RECURSIVE ACRONYMS

- KGS — KGS Go Server
- LAME — LAME Ain't an MP3 Encoder<sup>[6]</sup>
- LIVES — LIVES is a Video Editing System
- Loom — Loom organizes our metadata<sup>[7]</sup>
- MINT — MINT is Not TOS (later changed to "MINT is Now TOS")
- MINT — MINT is Not TRAC
- Mung — Mung Until No Good<sup>[8]</sup>
- Nagios — Nagios Ain't Gonna Insist On Sainthood (which is a reference to the previous name of Nagios, namely Netsaint)
- NIL — NIL Isn't Liero
- Ninja-ide - Ninja-IDE is Not Just Another IDE
- ~~pass~~ - pass - a compiler compiler<sup>[9]</sup>
- PHP - PHP: Hypertext Preprocessor
- P.P.S. — P.P.S. is POSIX on Symion
- PINE — PINE is Nearly Elm, originally, PINE now officially stands for "Pine Internet News and E-mail"<sup>[10]</sup>
- PNG — PNG's Not GIF (officially "Portable Network Graphics")
- RPM — RPM Package Manager (originally "Red Hat Package Manager")
- Scaled — Scaled Composites: Advanced Link to Efficient Development
- SPARQL — SPARQL Protocol And RDF Query Language
- Qins — Qins is not Slow<sup>[11]</sup>
- TiLP — TiLP is a Linking Program
- TIP — TIP isn't Pico (name for earliest versions of nano text editor)
- TRESOR - TRESOR Runs Encryption Securely Outside RAM
- UIRA — UIRA Isn't a Recursive Acronym
- WINE — WINE is Not an Emulator<sup>[12]</sup>
- XBMC — XBMC Media Center (originally Xbox Media Center)
- XNU — Xnu is Not Unix
- XNA — XNA's Not Acronymed
- XNU — X is Not Unix

# WHY PHP

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- open-source
- cross-platform
- good documentation
- readable
- secured
- easily deployed
- stable
- flexible
- fast
- extendable/scalable
- huge community & support

```
<?php  
    echo 'Hello World';  
?>
```

# WHAT IS DRUPAL?

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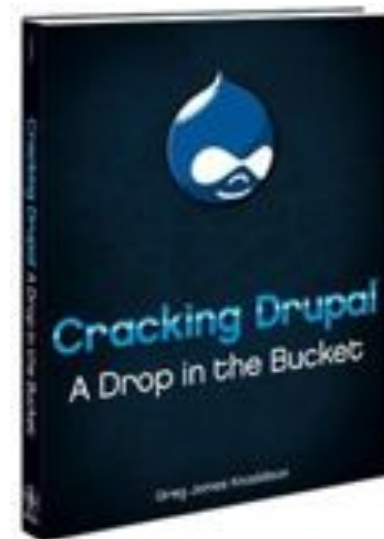
created by **Dries Buytaert** on 2001



# WHAT IS DRUPAL?

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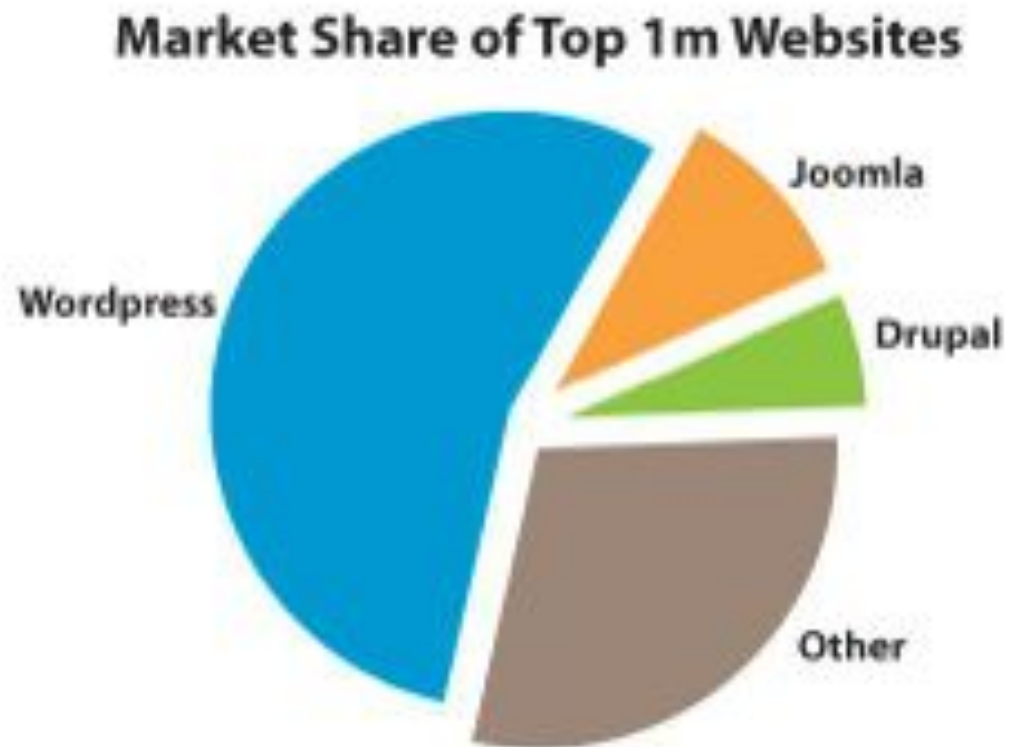
from the Dutch word “druppel”





# WHY DRUPAL?

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# Drupal™

## Come for the software, stay for the community

Drupal is an open source content management platform powering millions of websites and applications. It's built, used, and supported by an active and diverse community of people around the world.

Search drupal.org



Search

Refine your search

- All
- Documentation
- Modules
- Forums & Issues
- Themes
- Groups

Drupal Homepage

Your Dashboard

Logged in as viksohn

Log out

## Why Choose Drupal?

Use Drupal to build everything from personal blogs to enterprise applications. Thousands of add-on modules and designs let you build any site you can imagine. Join us!

Get Started with Drupal

## Drupal Distributions

Distributions are a collection of pre-configured themes and modules for feature-rich web sites giving you a head start on building your site. Build your own online communities, media portal, online store, and more!

## Sites Made with Drupal



### OnFlooring

Drupal is used by some of the biggest sites on the Web, like The Economist, Examiner.com and The White House. Read more Drupal case studies.

## Develop with Drupal



Help build Drupal 8. We are already hard at work. But we need your help to develop, design and test the next version of Drupal. Get started now.

19,146 Modules

1,546 Themes

508 Distributions

21,956 Developers

This week

3,445 Code commits

6,286 Issue comments

Drupal Core  
Security Info  
Developer Docs  
API Docs

- alrc.gov.au [alrc.gov.au](#), Australian Law Reform Commission<sup>[106]</sup>
- data.gov.uk [data.gov.uk](#), data.gov.uk<sup>[107]</sup>
- fastcompany.com [fastcompany.com](#), Fast Company<sup>[108]</sup>
- nysenate.gov [nysenate.gov](#), New York State Senate<sup>[109]</sup>
- london.gov.uk [london.gov.uk](#), Greater London Authority<sup>[110]</sup>
- mtv.co.uk [mtv.co.uk](#), MTV UK<sup>[111]</sup>
- rutgers.edu [rutgers.edu](#), Rutgers<sup>[112]</sup>

- economist.com [economist.com](#), The Economist<sup>[113]</sup>
- ubuntu.com [ubuntu.com](#), Ubuntu<sup>[114]</sup>
- whitehouse.gov [whitehouse.gov](#), whitehouse.gov<sup>[108][115][116]</sup>
- wfp.org [wfp.org](#), World Food Programme<sup>[117]</sup>
- dev.twitter.com [dev.twitter.com](#)<sup>[118]</sup>
- Eclipse marketplace [Eclipse marketplace](#)<sup>[119]</sup>
- thediamondjubilee.org [thediamondjubilee.org](#), The Diamond Jubilee official website<sup>[120]</sup>

# WHY DRUPAL?

it's free & used by Yahoo, eBay, NASA, NATO, MTV, etc.



# DRUPAL 6

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# DRUPAL 6

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# DRUPAL 7

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# DRUPAL 7

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# DRUPAL 7

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# DRUPAL 7

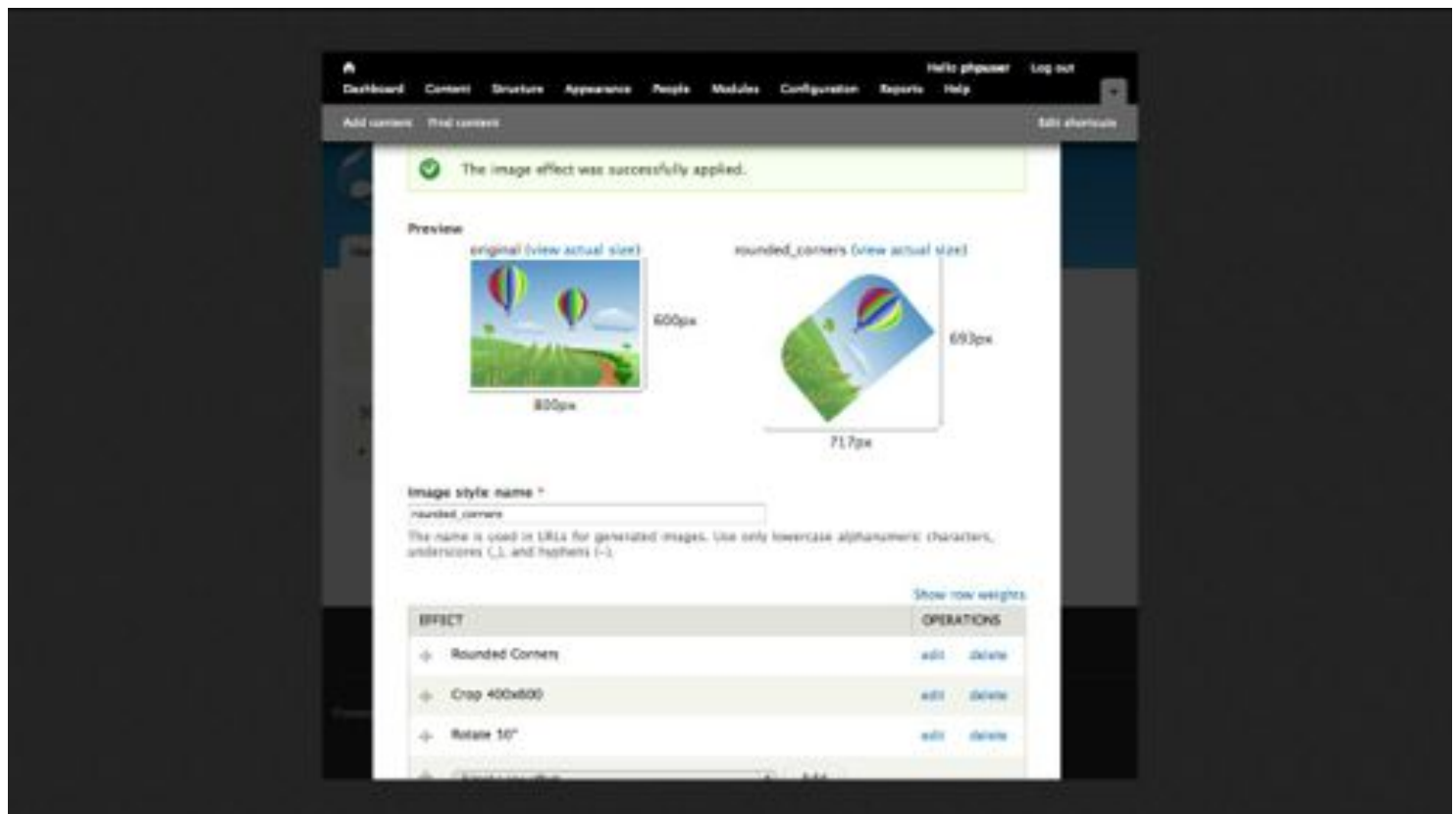
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Drupal 7 addressed 90% of the problems identified by the Universities of Minnesota and Baltimore in Drupal 6.

User experience designer Mark Boulton was hired to work with the Drupal community to design an improved user interface for Drupal's administration interface.

# WHY DRUPAL?

## Pretty interfaces





# WHY DRUPAL?

## Pretty interfaces



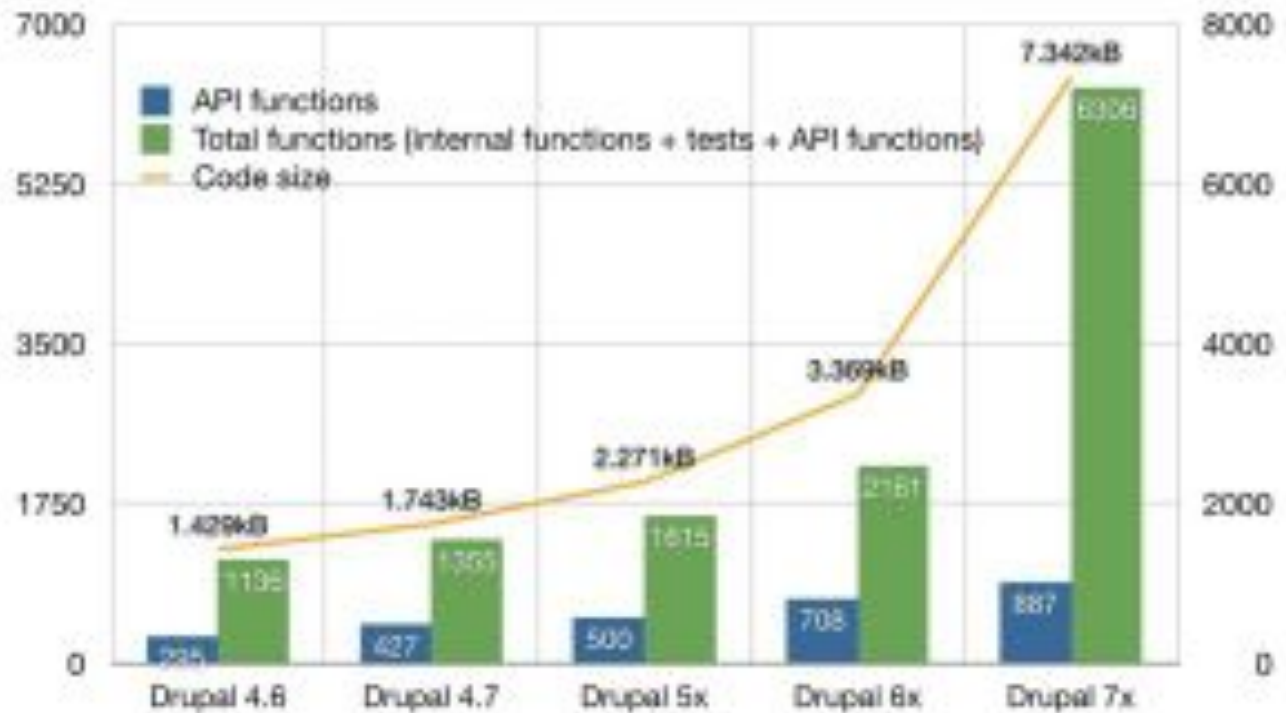
# DRUPAL 7

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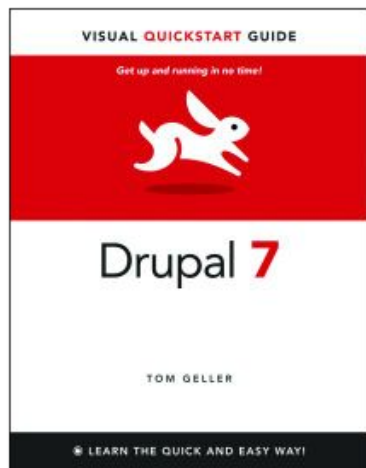
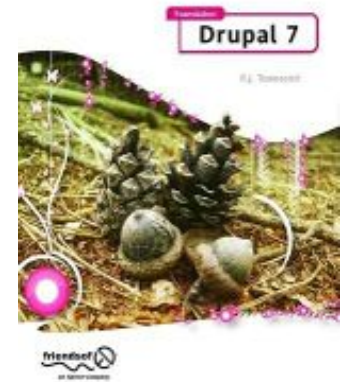
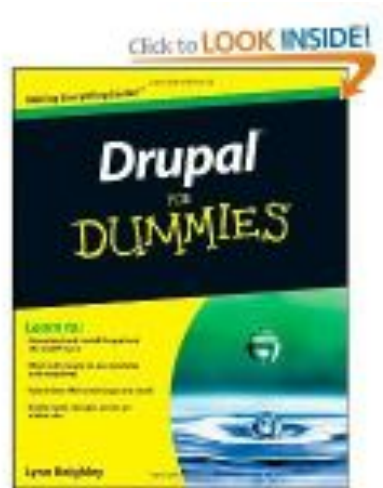
# MORE CODE

## Drupal 7 has a lot more code



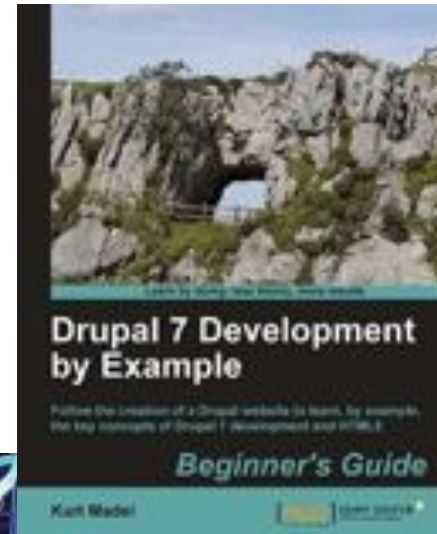
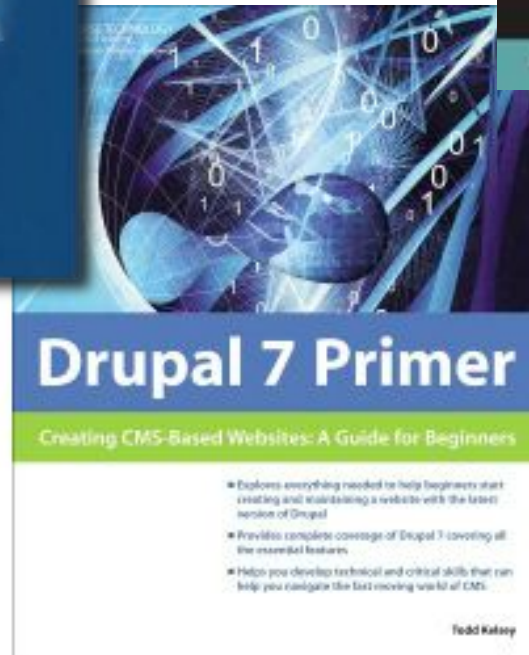
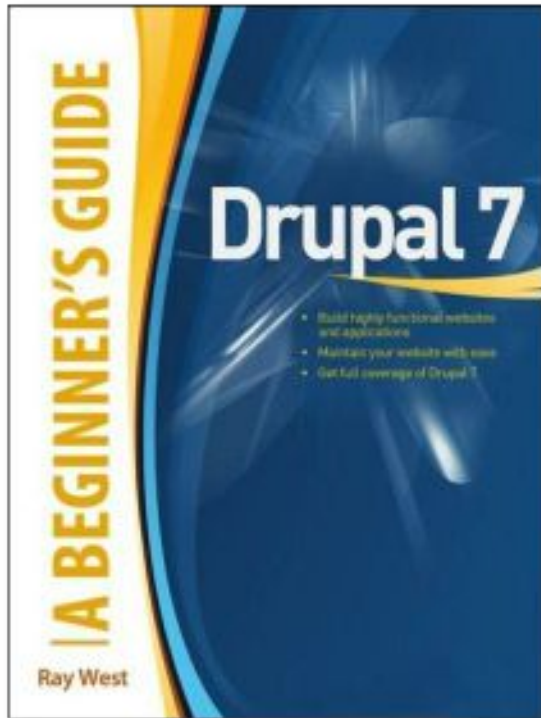
Source: Djun Kim

# WHY DRUPAL? IT CAN BE TAMED.



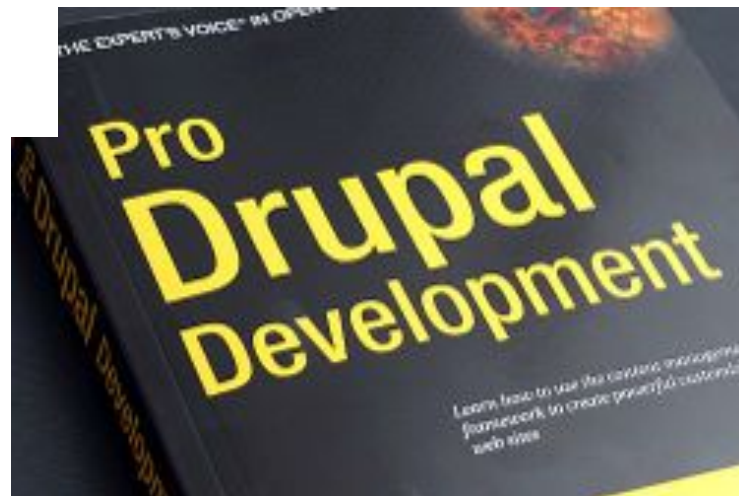
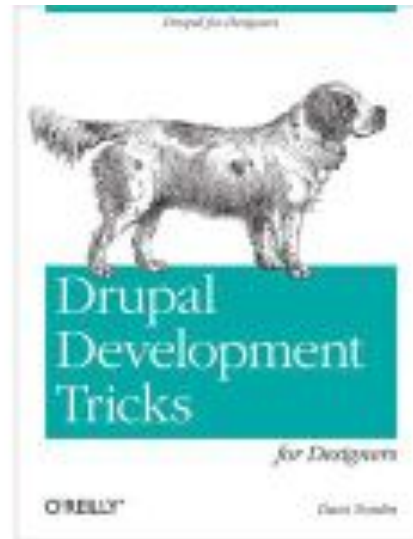
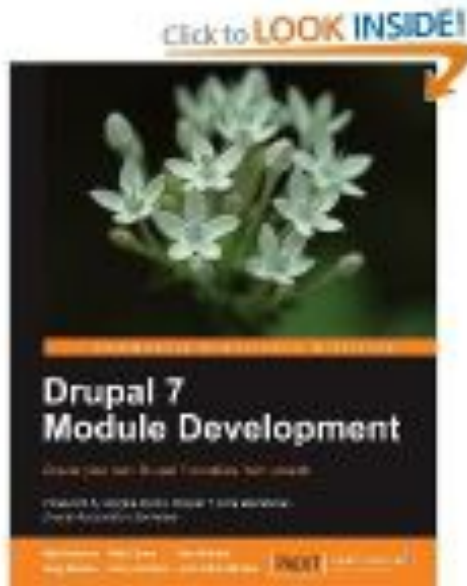


# WHY DRUPAL? GOOD FOR BEGINNERS.





# WHY DRUPAL? FLEXIBLE FOR EXPERTS.





# WHY DRUPAL? 20,000 Modules

Embraces Change: **8** Major Versions

State-of-the-Art: Almost **20,000** modules!

Major Version	Release Date
1.0	15 Jan 2001 <sup>[11]</sup>
2.0	15 Mar 2001 <sup>[11]</sup>
3.0	15 Sep 2001 <sup>[11]</sup>
4.0	16 Jun 2002 <sup>[11]</sup>
5.0	15 Jan 2007 <sup>[12]</sup>
6.0	13 Feb 2008 <sup>[13]</sup>
7.0	5 Jan 2011 <sup>[14]</sup>
8.0	Aug 2013 <sup>[15]</sup>

Develop with Drupal

**8**  
Drupal

Help build Drupal 8. We are already hard at work. But we need your help to **develop, design and test** the next version of Drupal. Get started now.

19,146 Modules  
1,546 Themes  
508 Distributions  
21,956 Developers

This week  
3,445 Code commits  
6,286 Issue comments

# WHY DRUPAL? STRONG COMMUNITY

## Active & Huge Community: Transcending Boundaries



902,835 people in 228 countries\* speaking 181 languages power Drupal.



### News

Docs Updates Forum Posts Commits

#### [Report from BADCamp 2012 Views Usability Testing](#)

November 11, 2012

On Nov 1 2012, we tested the Views UI (7.x-3.5) with intermediate-level Drupal users at the BADCamp UX/UI Summit to provide the community with a clear picture of the usability bot [Read more](#)

Upcoming Network Maintenance (Sat. Nov 10th, Mon. Nov 12, Wed. Nov 14th)

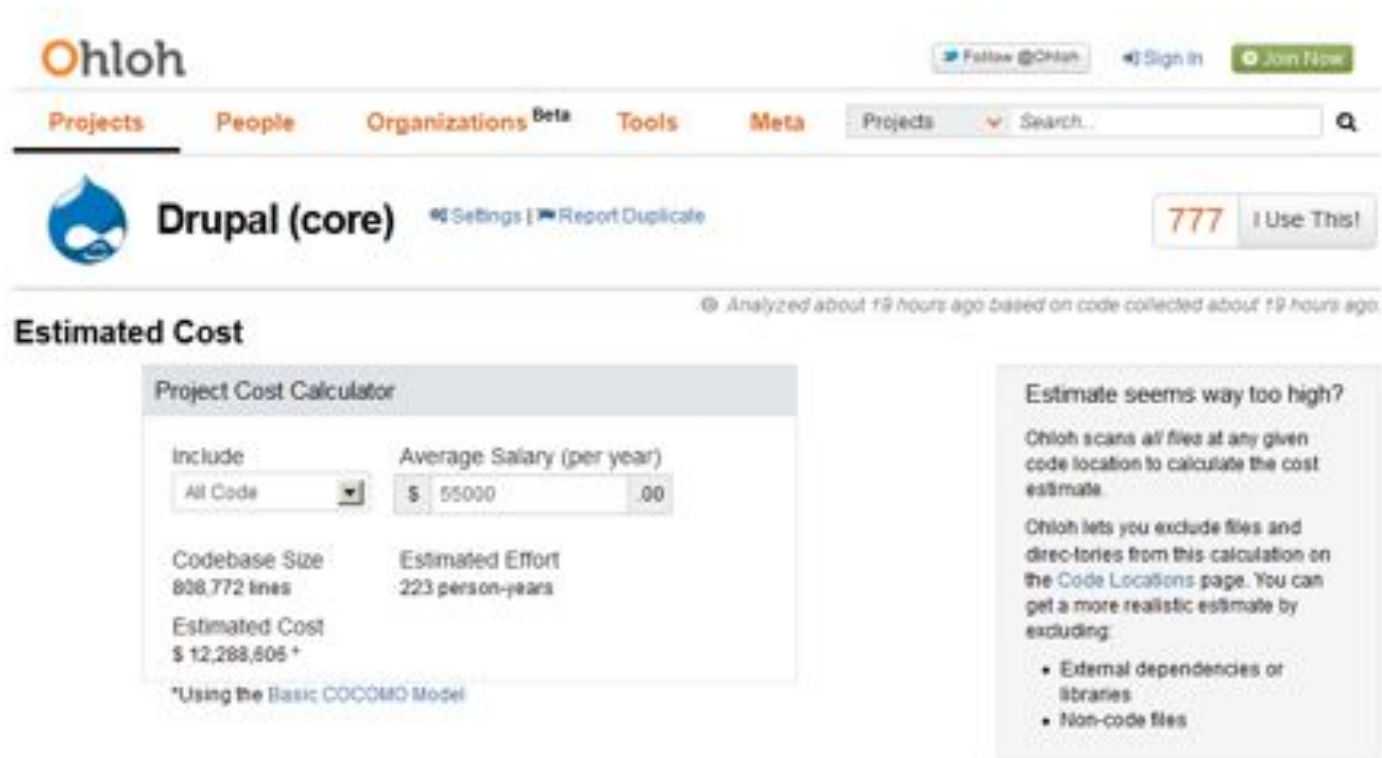
Drupal 7.17 released

Drupal.org Scheduled Downtime Saturday, October 27, 20:00 PDT (Oct 28 0300 UTC)

[More news...](#)

# WHY DRUPAL? COMMUNITY EFFORT

Worth of Drupal: **\$12,288,606** (223 person-years)



The screenshot shows the Ohloh website interface. At the top, there's a navigation bar with links for Projects, People, Organizations (marked as Beta), Tools, and Meta. A search bar is also present. Below the navigation bar, the Drupal (core) project is highlighted. The main content area displays the 'Estimated Cost' for the project. A 'Project Cost Calculator' widget shows the following details:

Project Cost Calculator	
Include	Average Salary (per year)
All Code	\$ 55000 .00
Codebase Size	Estimated Effort
808,772 lines	223 person-years
Estimated Cost	
\$ 12,288,606 +	

\*Using the Basic COCOMO Model

To the right of the calculator, a text box explains that the estimate might be high and provides instructions on how to get a more realistic estimate by excluding external dependencies or libraries and non-code files.

Estimated Cost

Analyzed about 19 hours ago based on code collected about 19 hours ago.

Project Cost Calculator

Include: All Code

Average Salary (per year): \$ 55000 .00

Codebase Size: 808,772 lines

Estimated Effort: 223 person-years

Estimated Cost: \$ 12,288,606 +

\*Using the Basic COCOMO Model

Estimate seems way too high?

Ohloh scans all files at any given code location to calculate the cost estimate.

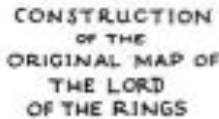
Ohloh lets you exclude files and directories from this calculation on the Code Locations page. You can get a more realistic estimate by excluding:

- External dependencies or libraries
- Non-code files

[https://www.ohloh.net/p/drupal/estimated\\_cost](https://www.ohloh.net/p/drupal/estimated_cost)

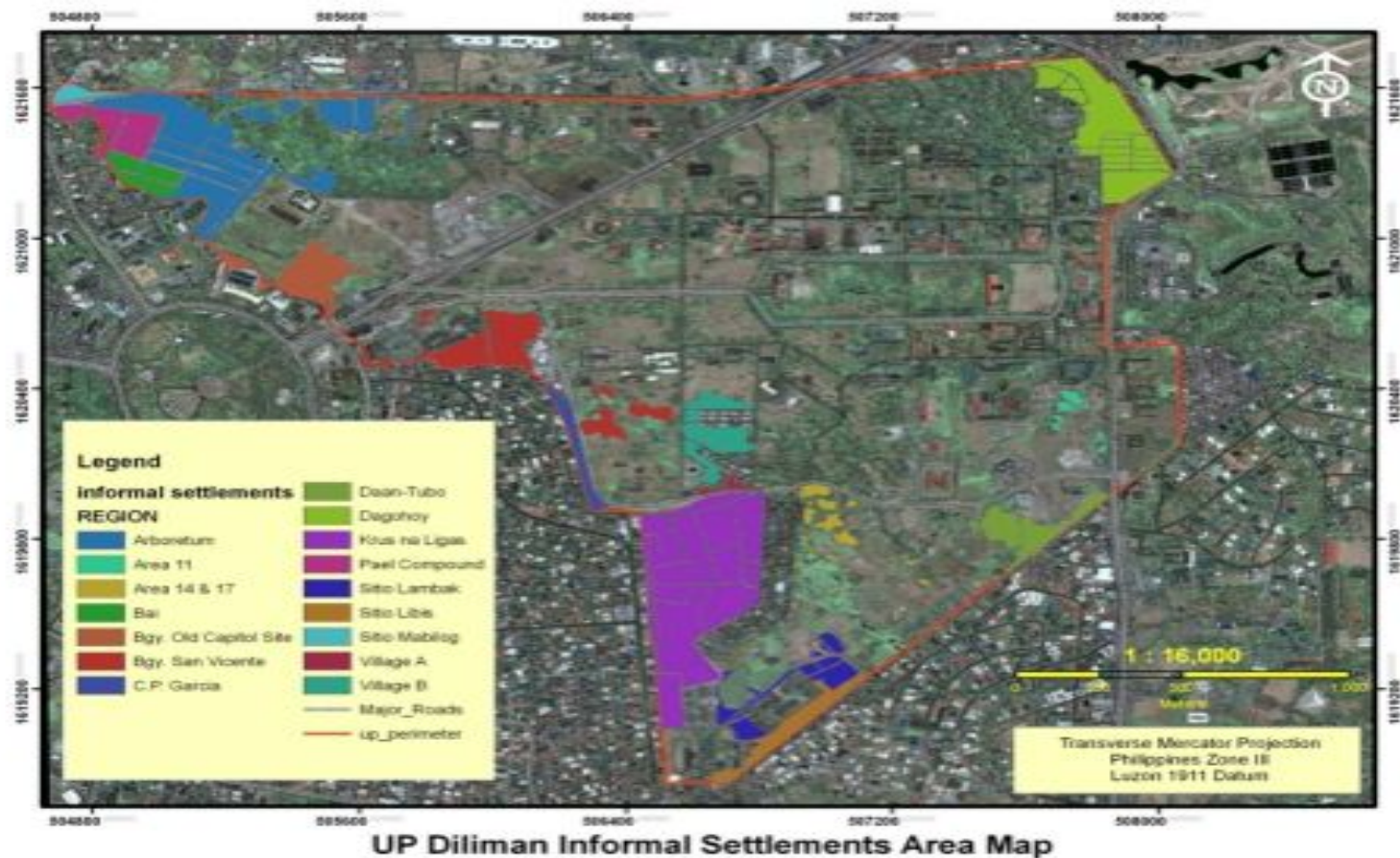


## The Power of Maps (Lord of the Rings' map)



# WHY MAP?

Maps are used to analyze patterns.



# WHY MAP?

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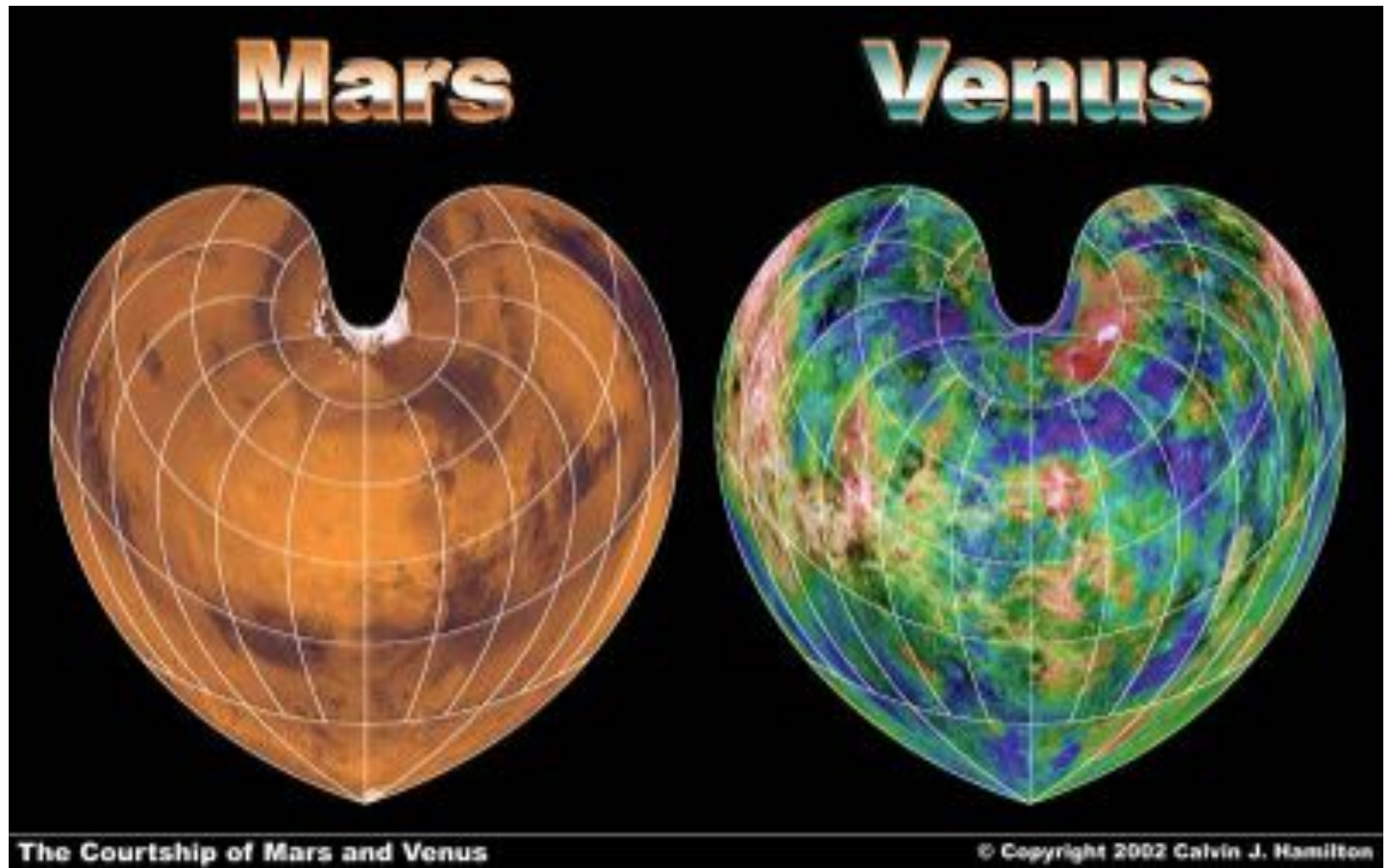
It engages the Community



# WHY MAP?

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Maps are used for visualizing phenomena.





# WHY MAP?

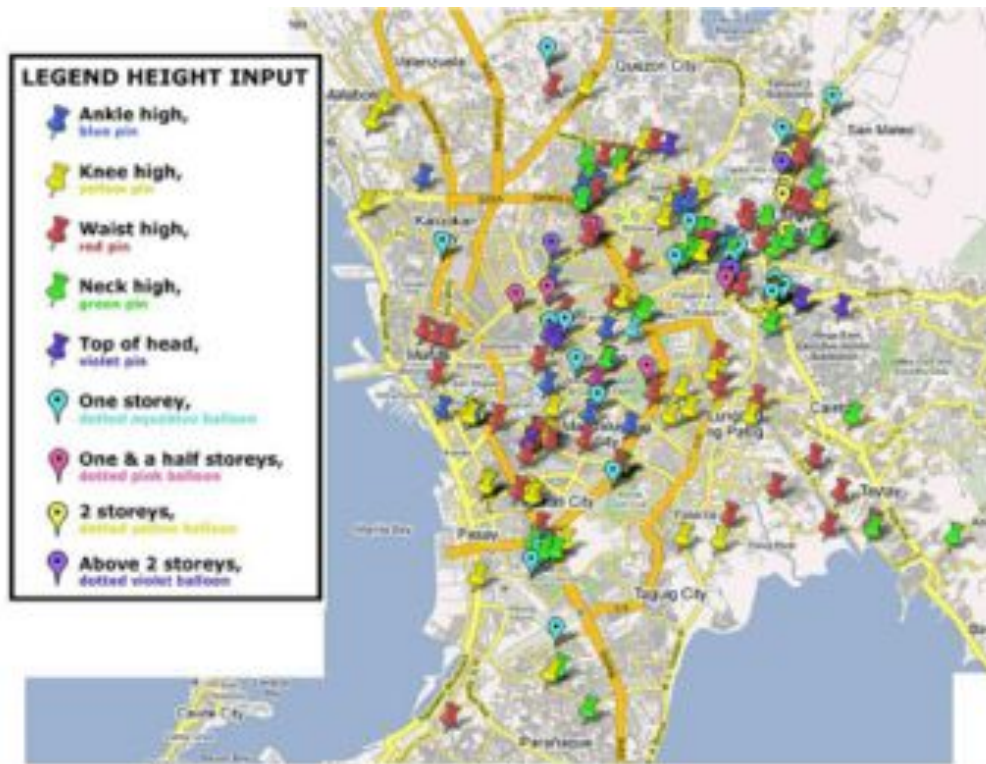
Maps are good for portraying connectivity.





# WHY MAP?

Maps could help in damage assessment & rescue operations.



**Ondoy Situation Map  
(As of 09/28/2009)**

# WHY MAP WITH DRUPAL?

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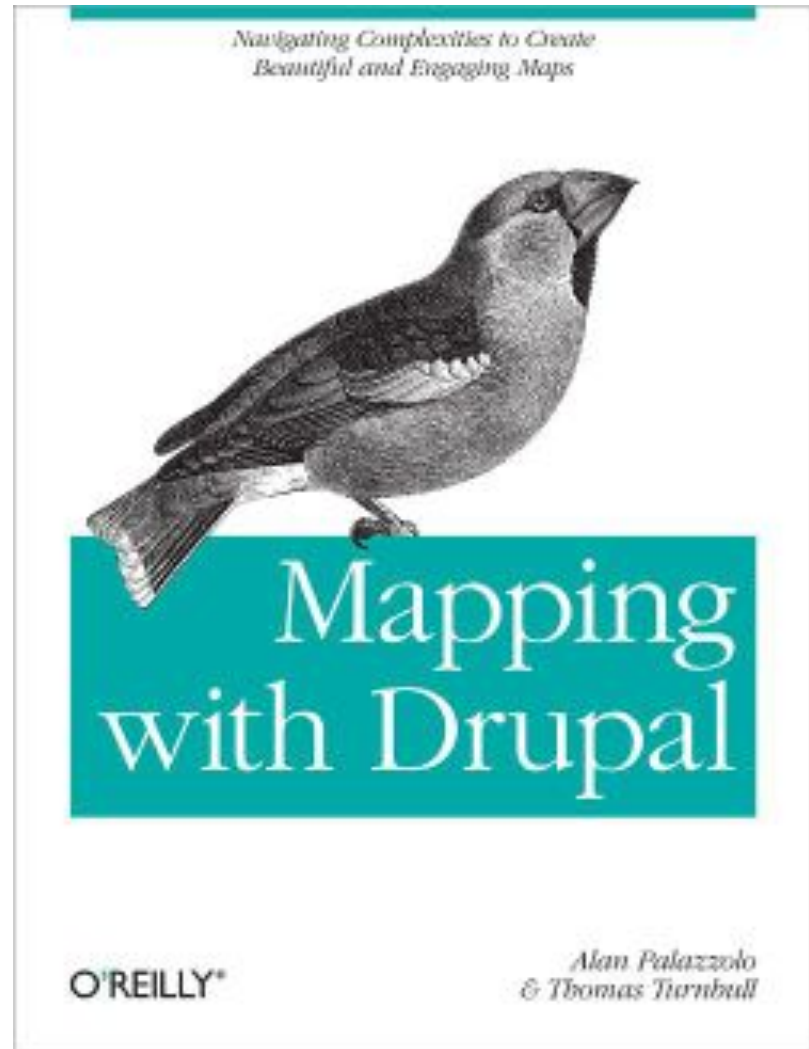
Powerful & Stable Mapping Modules:

Geofield, Leaflet, OpenLayers, GMap, etc.

# WHY MAP WITH DRUPAL?

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Great web mapping docs  
& books



# SAMPLE OF OPENLAYERS IN DRUPAL

## Locations



# DRUPAL 7 CONFIGURATION

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install Apache, MySql & PHP (XAMPP, WAMP, Easy PHP, ...)

start Apache & MySQL (Apache automatically starts PHP)

create a MySQL database

go to <http://localhost/phpmyadmin>

download & install Drupal 7

go to <http://localhost/drupal/install.php>



# CARTARO GEOSPATIAL CMS

The screenshot shows the Cartaro Geospatial CMS website. At the top is a banner with the Cartaro logo and two buttons: 'Download > latest release' and 'Demo > User, demo PDF, demo'. Below the banner is a navigation bar with icons and labels for Overview, Features, Support, Documentation, Contact, and Blog. The main content area has a 'Download' section with a download icon, a table of versions, and a 'GeoServer' section with instructions on how to use Cartaro as a user provider for GeoServer.

**Cartaro**  
Geospatial CMS

Download > latest release

Demo > User, demo PDF, demo

Overview Features Support Documentation Contact Blog

**Download**

Version	Date	Notes	Download
1.0-beta2	19 Oct 2012	<a href="#">Release notes</a>	<a href="#">zip</a>   <a href="#">tar</a>
1.0-beta1	27 Sep 2012	<a href="#">Release notes</a>	<a href="#">zip</a>   <a href="#">tar</a>

Follow the [documentation](#) on how to get started.

**GeoServer**

Use Cartaro as a user provider for GeoServer.

[Download extension for GeoServer 2.2](#)

# CARTARO GEOSPATIAL CMS

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## Features



Most functions needed for a SDI come right out of the box through the close integration of Drupal with PostGIS and GeoServer. The main features of Cartaro are:

- Spatial data storage with true geometry data types
- Creation of data types from within the Drupal GUI
- Integrated online editing of geospatial data
- Data publishing with integrated maps
- Configuration of map layouts and behaviors
- Symbol styling
- Data publishing through OGC standards-compliant web services (OWS) like WMS and WFS
- High performance map output through GeoWebCache
- Transparent privilege handling and security for all spatial data
- Content publication workflow and revision moderation
- Basic metadata collection through access to GeoServer-GUI
- Full extensibility through thousands of Drupal modules or individual programming

# CARTARO GEOSPATIAL CMS

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## **Spatial Storage**

The PostGIS module is used for persistence of all spatial data in your Drupal site. With the extension PostGIS spatial data are stored as true geometric data types like POINT, LINE, POLYGON and more. This allows for high performance spatial queries and analyses and guarantees data integrity through a whole range of possible spatial validations.

## **OGC Web Services**

Access to geospatial data in Cartaro is handled by GeoServer. GeoServer queries the PostGIS database and publishes images or vector data. Through the GeoServer module Cartaro supports the main web services defined by the Open Geospatial Consortium (OGC). This means your site can deliver its data e.g. as Web Map Service (WMS) or Web Feature Service (WFS).

## **Map Publishing**

Maps can of course be published directly within your site. Cartaro therefore uses the JavaScript library OpenLayers and its implementation as a Drupal module. With the OpenLayers module you are able to configure completely dynamic maps within the Drupal GUI. The available map layers may come from external web services or from layers in your internal GeoServer.

# CARTARO GEOSPATIAL CMS

The geospatial components used are PostGIS, GeoServer, GeoWebCache and OpenLayers.



Project	Version	Status
Chaos tool suite (ctools)	7.x-1.2	Up to date
Drupal core	7.16	Up to date
Features	7.x-1.0	Up to date
Feeds	7.x-2.0-alpha6	Up to date
Frontmap	7.x-1.0-beta1	Up to date
GeoServer	7.x-1.0-beta2	Up to date
Job Scheduler	7.x-2.0-alpha3	Up to date
Nodetype access	7.x-1.0-beta5	Up to date 1 patch applied
OpenLayers	7.x-2.x-dev	Up to date 1 patch applied
OpenLayers Editor	7.x-1.0-beta2	Up to date
OpenLayers Layer Assistant	7.x-1.0-beta1	Up to date
Pathauto	7.x-1.2	Up to date
PostGIS	7.x-1.0-beta2	Up to date
Token	7.x-1.4	Up to date
Views	7.x-3.5	Up to date

# CARTARO SECURITY

## Documentation Using Drupal users and roles in GeoServer



The core idea of Cartaro is the closest possible integration of geodata with other content in a single software stack. This aspect also extends to the common management of users, roles and their privileges, meaning you should be able to apply the same security mechanisms and privileges for spatial and non-spatial content. Within Cartaro the privileges for non-spatial content are handled by Drupal. GeoServer, on the other hand, is responsible to deliver optionally protected geospatial data to the web either through web services (OWS and others) or through a number of downloadable file formats.

A GeoServer extension is provided in order to use Drupal as user and role provider for GeoServer – allowing Cartaro to forward Drupal authorizations to GeoServer. This means you can set up a protected geo web service with GeoServer that is automatically available to a user after login in the main Drupal site.

Further the same GeoServer provided service is available outside of your Drupal site too, e.g. in a Desktop GIS connecting to GeoServer directly. The usual authentication mechanisms as defined by the OGC and **implemented by GeoServer** apply but do respect any permissions set in Drupal (those are merged with the permissions you set in GeoServer).

**Even though setting GeoServer up this way is optional we do strongly recommend doing so** as it automates user/permission synchronization which is an error prone process if done by hand.

### Installing the extension

The **GeoServer extension** is provided as a **JAR file** that needs to be placed in Geoservers `WEB-INF/lib/` folder. Once located there one needs to use Spring's (framework GeoServer is built on) dependency injection means to supply the implementation instead of the file based user and role system.



# CARTARO OPENLAYERS EDITOR

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# CARTARO PUBLISHED WITH STYLE

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## Glenfinnan Viaduct

Submitted by [Sample User](#) on Thu, 2012-09-06 13:28

There goes some sample content along with the map...



# CARTARO-POWERED SITE

[www.cuba.cartaro.org](http://www.cuba.cartaro.org)



# CARTARO CONFIGURATION

---

integrate XAMPP to PostgreSQL

start Apache (XAMPP)

start Postgre, PostGIS & GeoServer  
(OpenGeo Suite)

open pgAdmin III

create a cartaro spatial db

copy the cartaro contents to **htdocs** folder

go to <http://localhost/cartaro/install.php>

enjoy the site 😊

# CARTARO CONFIGURATION

enjoy the site 😊





# RELATED GEOSPATIAL CMS

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**<http://mapbender.org/>**

Web-GIS Client (OGC WMS, WFS, Catalog Service Client)

Geo-CMS (Content Management System)

Web-based Digitizing/Editing Functionality  
(OGC WFS-T Client)

Security Management (Authentication, Authorization)

Accounting Management (Logging)

Spatial Web Services Orchestrating

# RELATED GEOSPATIAL CMS

<https://www.ohloh.net/p/mapbender?ref=sample>

The screenshot shows the Ohloh project page for Mapbender. The header includes the Ohloh logo, navigation links for Projects, People, Tools, and Meta, and a search bar. The project name 'Mapbender' is prominently displayed with a '19 I Use This!' badge. Below this is a 'Project Summary' section with a detailed description of the software, its license (GNU GPL and Simplified BSD), and its features. A 'Tags' section lists various technologies used in the project. A 'Share' section provides social media links. On the right, a 'Quick Reference' section lists project links, code locations, licenses, similar projects, and managers. A 'Browse Code' button is at the bottom.

**ohloh** Follow @Ohloh Sign In Join Now

Projects People Tools Meta Projects Search

**Mapbender** Settings Report Duplicate 19 I Use This!

Analyzed 2 days ago based on code collected 2 days ago.

### Project Summary

Mapbender is the back office software and client framework for spatial data infrastructures. The software is implemented in PHP and JavaScript and dual licensed under GNU GPL and Simplified BSD license. It provides a data model and web based interfaces for displaying, navigating and interacting with OGC compliant map services.

The Mapbender framework furthermore provides authentication and authorization services, OWS Proxy functionality, management interfaces for user, group and service administration.

Mapbender3 is the successor of the Mapbender 2 Version and is based on the frameworks Symfony2, JQuery and OpenLayers.

Mapbender is an official Open Source Geospatial Foundation project and all about managing maps!

### Tags

openlayers, wms, ogc, jquery, jqueryui, symfony2, ows\_security\_proxy, wfs-t, gis, mapping, wmc, caged, ows, wfs, k8, geoportal, webgis, php, gis, spatial\_data\_infrastructure

### Share

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### Quick Reference

**Project Links:** [Homepage](#), [Community](#), [Documentation \(2 Links\)](#), [Download](#), [Forums \(4 Links\)](#), [Issue Trackers \(2 Links\)](#), [Mailing Lists \(2 Links\)](#)

**Code Locations:** (4 Locations)

**Licenses:** GPL-2.0+

**Similar Projects:** [deegree](#), [geOrchestra](#), [gvSIG Desktop](#), [gvSIG Desktop](#)

**Managers:** astrid\_emde

[Browse Code](#) beta

# RELATED GEOSPATIAL CMS

<https://www.ohloh.net/p/mapbender?ref=sample>



# RELATED GEOSPATIAL CMS

<https://www.ohloh.net/p/mapbender?ref=sample>

## Community

### Ratings

10 users rate this project.  
★★★★★ 4.9/5.0

Click to add your rating  
☆☆☆☆☆

Review this Project!

### Most Recent Contributors



Christian Wypode



Paul Schmidt



Kaim Mallas



astrid\_emde

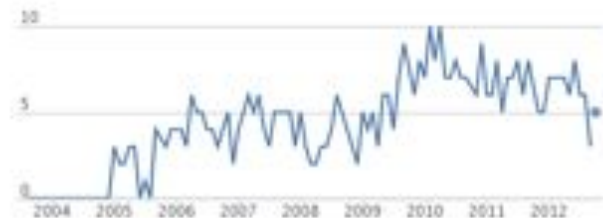


veronadiewald



Astrid Emde

### Contributors per Month



### Project Summary

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### Code Data

- Languages
- Cost Estimates

### SCM Data

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- Contributors

### Community Data

- Users
- Ratings & Reviews
- User & Contributor Locations

# RELATED GEOSPATIAL CMS

<http://mapbender.org/>



	<b>Zoom In</b> This button zooms into the map.
	<b>Zoom Out</b> This button zooms out of the map.
	<b>Set map Center</b> This button sets a new center for the map.
	<b>Query</b> Query objects in the map with this button.
	<b>Zoom by rectangle</b> Toggle this button to put up a rectangle in the map (just like drag & drop). The new map will show the selected rectangle.
	<b>Pan</b> Use this button to enter pan mode. Drag & drop the map whenever you want to go.
	<b>Display complete map</b> Zoom to the full extent map of this application.
	<b>Back</b> With this button go back one step in the history of your last moves. Observe that this function also enables and disables layers. Do not use the browsers back functionality, it has no effect inside this application.
	<b>Forward</b> With this button go one step forward in the history of your map moves.
	<b>Measure distance</b> After activating this button you can digitize (click) objects with the mouse into the map. Depending on the application this functionality will be implemented in different ways, so find out more details by reading the respective application manual.
	<b>Rubber</b> This button deletes temporary (digitized) objects.
	<b>Close Polygon</b> This button closes a polyline to create a polygon. First and last node are connected with a straight line.
	<b>Get Area</b> This button will only show up when the measure button is activated. It will calculate the size and length of the temporary objects.
	<b>Save Geometry</b> Depending on the application this button will store the new geometries in a database or send an XML to a remote server.
	<b>Coordinates</b> With this button you can click into the map to obtain the coordinate.
	<b>Redraw</b> Refresh the map with this button during your running session.
	<b>Print</b> This button opens the print interface. Choose the print options, if there are any (format, size, quality).
	<b>Add WMS from List</b> Add a new map (OGC WMS) from the displayed list to your current map window.
	<b>Add WMS from Filtered List</b> Add a new map (OGC WMS) from the displayed filtered list to your running session. Depending on the application you will see different services listed.
	<b>Add WMS</b> Add an OGC WMS to your running session by typing the Capabilities URL into an input box. This is cool for testing services and requires that you know the URL of a WMS Capabilities document.
	<b>Change the order of the WMS</b> Change the order of the WMS of the GUI. Also delete a WMS from your GUI.
	<b>Logout</b> End your session with this button.
	<b>Help</b> This button leads you to these Mapbender Help-Pages.
	<b>Show GUI list</b> Shows the list of your GUIs.








# RELATED GEOSPATIAL CMS

<http://mapbender.org/>

## Digitize Buttons

	<b>Draw Point</b> press this Button to draw a point.
	<b>Draw line</b> press this Button to draw a line.
	<b>Draw polygon</b> press this Button to draw a polygon.
	<b>Move a node</b> You can move a node of an existing object.
	<b>New node</b> Insert a new node to a line or polygon.
	<b>Delete node</b> Deletes a node of a line or polygon.
	<b>Display information about a geometry</b> You can handle the geometry - insert new information, save, update, delete.
	<b>Removes a geometry from the edit frame</b> If you don't want to handle a geometry you can remove it from the edit frame.

## Selection Buttons

	<b>Select by rectangle</b> WFS Selection by rectangle.
	<b>Select by polygon</b> WFS Selection by polygon.
	<b>Select by point</b> WFS Selection by point.
	<b>Select by extent</b> WFS Selection by extent of the current mapframe.
	<b>choose from the different selection possibilities</b>
	<b>moves the geometry to the edit frame</b>

# RELATED GEOSPATIAL CMS

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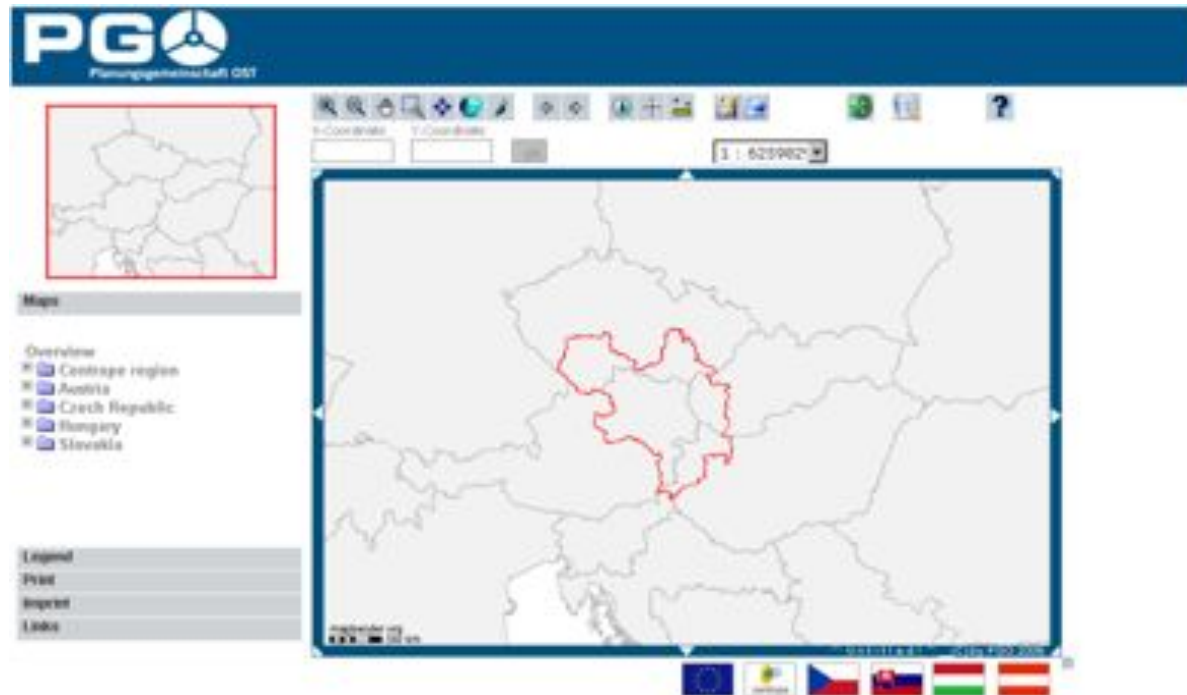
<http://mapbender.org/>



# RELATED GEOSPATIAL CMS

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<http://mapbender.org/>

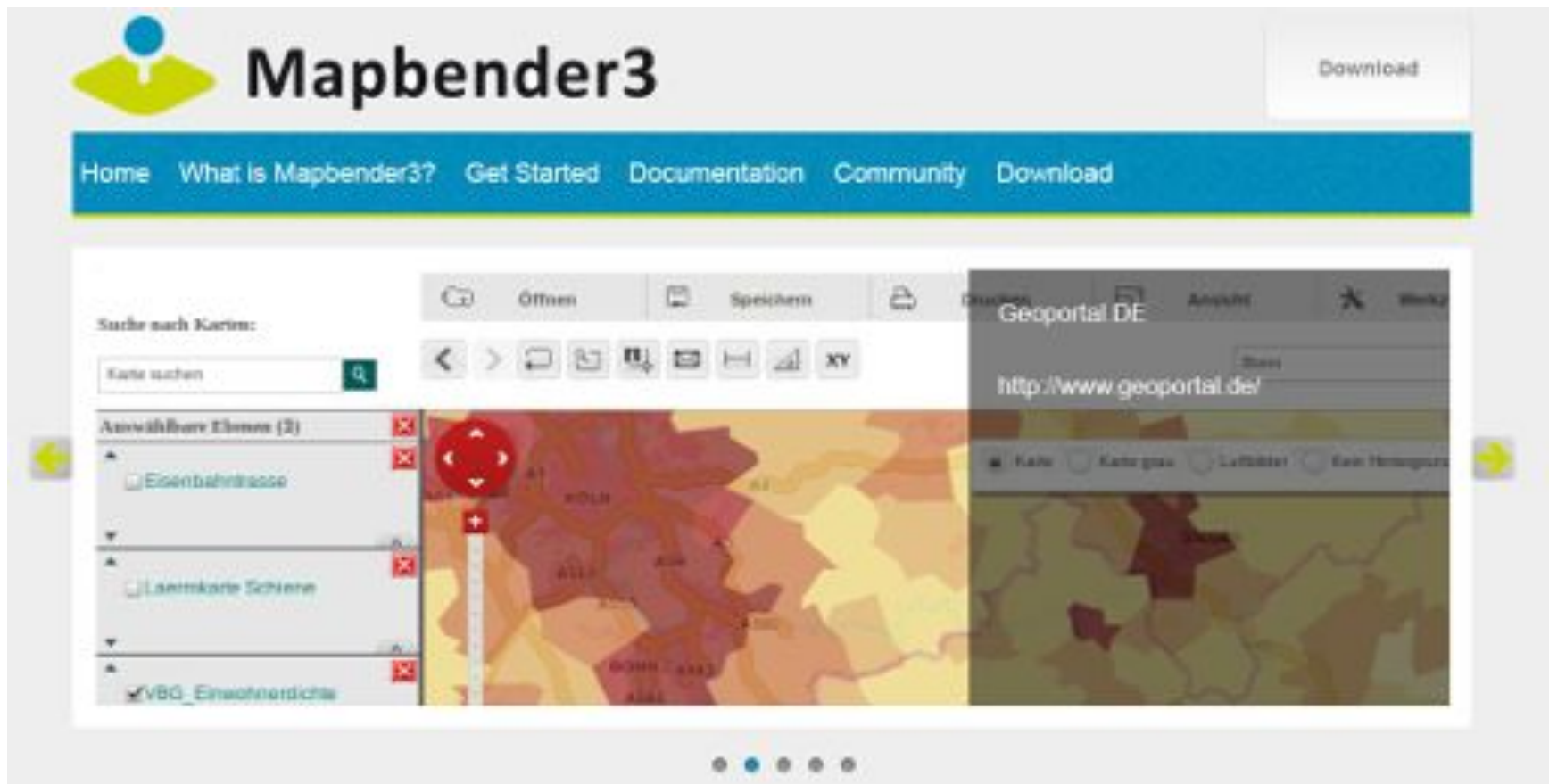


<http://mapbender.org/>



# RELATED GEOSPATIAL CMS (PHP)

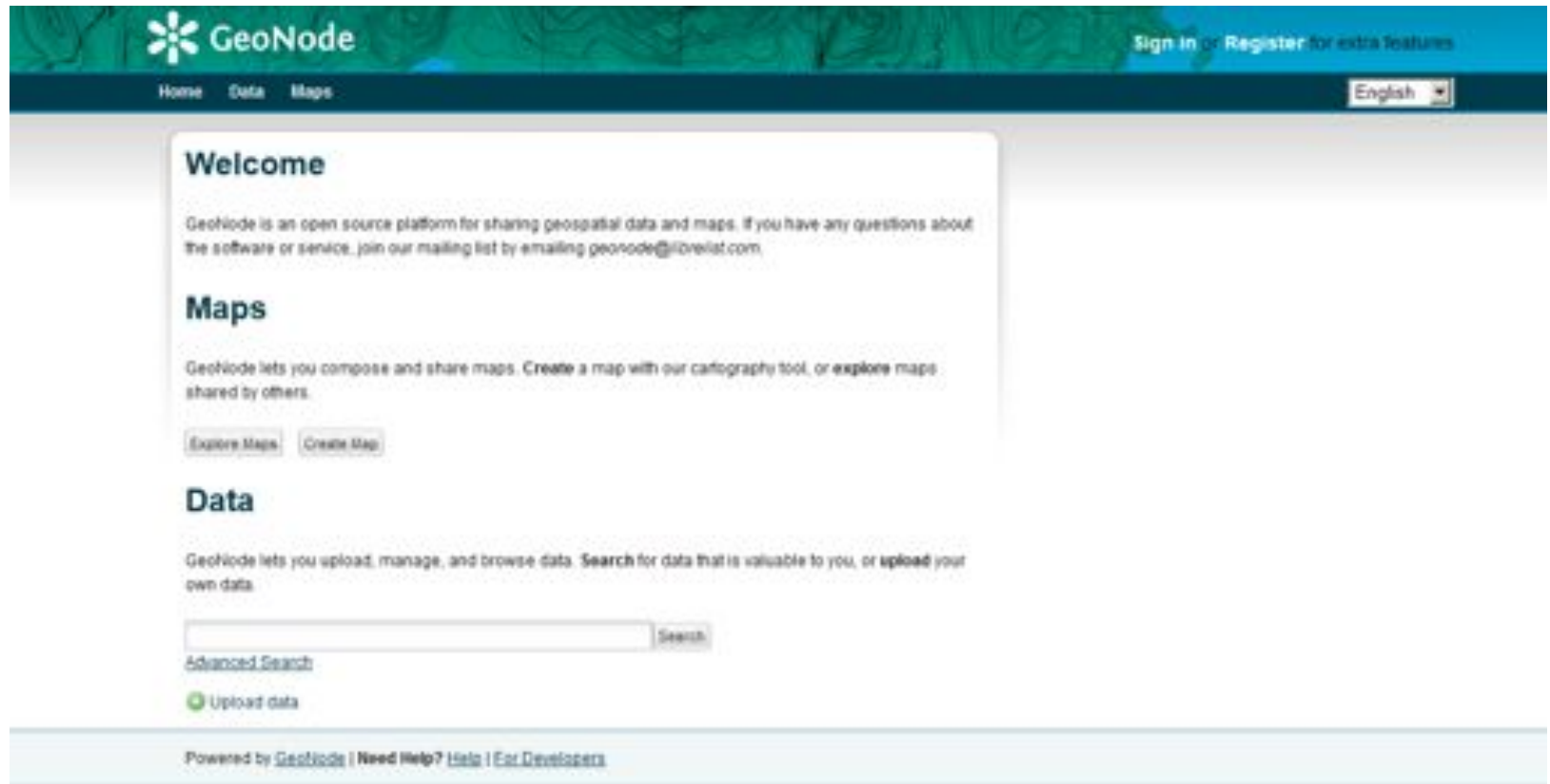
<http://mapbender3.org/>





# RELATED GEOSPATIAL CMS (Python)

<http://geonode.org/org/>



# THE DRUPAL MOVEMENT

<http://groups.drupal.org/philippines>

## Philippines

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Welcome to the Philippine Drupal Users Group!

### Philippine Drupal Users Group!



You might want to visit our #drupal-ph channel in irc.freenode.net.

### Upcoming events

Growing Drupal Downunder -  
Announcing DrupalCon Sydney, 6-9  
Feb 2013  
Start: 2013-02-06 (All day) -  
2013-02-09 (All day)  
Australia/Sydney  
DrupalCamp Manila 2013  
Start: 2013-02-16 (All day)  
Asia/Manila

### Latest Discussions

DrupalCon Sydney selected sessions announced **new**  
Session Submissions open for comments **new**  
Final call for sessions for DrupalCon Sydney! **new**  
Featured Sessions & Speakers Announced **updated**  
Travel planning for DrupalCon Sydney 3 weeks left for DrupalCon Sydney session submissions **updated**  
DrupalCon Sydney early bird tickets go on sale tomorrow!  
DrupalCon Sydney update  
Vote on the date for DrupaCamp Singapore 2013  
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## Philippines

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#### Post category

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[Social \(36\)](#)  
[Lessons \(112\)](#)

# THE DRUPAL MOVEMENT

## PHDUG: Philippine Drupal Users Group



**Thank You!**

