

# P2Pvalue Directory: using a unique open resource for research and networking

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This work was partially supported by the Framework programme FP7-ICT-2013-10 of the European Commission through project P2Pvalue (grant no.: 610961).

## Outline

- Drupal and why using it?
- Some key aspects of the architecture
- How to explore and access the data
- How to contribute: adding CBPP cases
- Ideas for future work & questions

# What is Drupal?

- A free software framework to build web applications
- A community of +1M users and +30k developers (Drupal.org stats)
- +1M websites: whitehouse.gov, data.gov.uk, louvre.fr, mtv.co.uk, blogs.aljazeera.com, etc.
- +info: <https://drupal.org/about>



Source: <https://www.drupal.org/files/druplicon.small.png>

# Why using Drupal?

- **Robust** architecture
- **Flexibility** to perform changes
- **Modularity** to extend with new functionalities: +25k contributed (non-core) modules
- Flexibility quite critical, taking into account the research nature of the initiative

## 3 key aspects of the architecture

- Flexible way to:
  - Manage permissions (who access what?): **roles** module
  - To **classify** (and update) the cases. For example, adding a new type of activity: taxonomy module
  - Display the contents in **several formats**: views module

# Permissions and roles system

- Flexible way to manage permissions, workflow and set a “wiki-like” system
- Currently 3 main roles:
  - **Authenticated users** (open registration): permissions to add new cases, edit details about them, see different revisions (versions) of the case, etc.
  - **Moderators**: permissions to edit any kind of content, revert revisions in case of vandalism (post-moderation policy), add new terms to the vocabularies, etc.
  - **Administrators**: full permissions to change all the configuration parameters

# Taxonomies

- Taxonomy: the practice of “classifying things or concepts”
- Using Drupal taxonomy system: a flexible way to classify and update the CBPP cases
- Currently using 11 vocabularies
- Each vocabulary has a set of “terms” that can be indexed and filtered:
  - Via URLs: <http://www.directory.p2pvalue.eu/explore/typologies/type-activity/open-education>
  - Via API (more details soon)

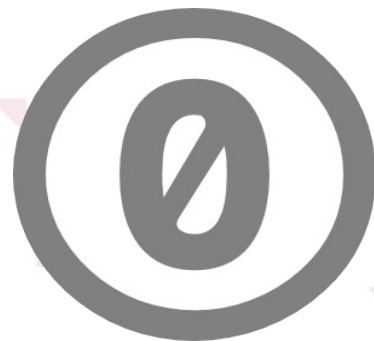
# Views

- A GUI to a SQL builder: provides us a flexible way to fetch content from the database and display it in several formats:
  - **HTML**
    - E.g.: Use to expose the taxonomies as fields to filter by (Explore - <http://directory.p2pvalue.eu/explore/cbpp-communities>)
  - **JSON, XML**
    - E.g.: Use to create the API (<http://directory.p2pvalue.eu/api-instructions>)



## Exploring the data

- Data gathered is licensed under a CC0 1.0 license (dedicated to Public domain - <http://creativecommons.org/publicdomain/zero/1.0/>)
- Explore and filter it via web

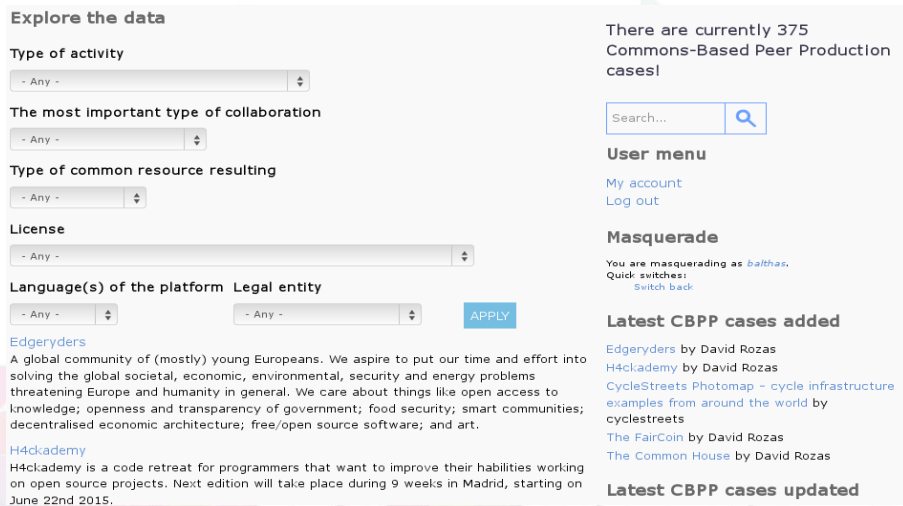


Source:  
<https://upload.wikimedia.org/wikipedia/commons/thumb/8/8c/CCzero.svg/220px-CCzero.svg.png>

# Exploring the data

- Let's take a look:

<http://directory.p2pvalue.eu/explore/cbpps-communities>



**Explore the data**

Type of activity  
- Any -

The most important type of collaboration  
- Any -

Type of common resource resulting  
- Any -


License  
- Any -

Language(s) of the platform Legal entity  
- Any - - Any - **APPLY**

**Edgeryders**  
A global community of (mostly) young Europeans. We aspire to put our time and effort into solving the global societal, economic, environmental, security and energy problems threatening Europe and humanity in general. We care about things like open access to knowledge; openness and transparency of government; food security; smart communities; decentralised economic architecture; free/open source software; and art.

**H4ckademy**  
H4ckademy is a code retreat for programmers that want to improve their abilities working on open source projects. Next edition will take place during 9 weeks in Madrid, starting on June 22nd 2015.

There are currently 375 Commons-Based Peer Production cases!

Search... 

**User menu**  
[My account](#)  
[Log out](#)

**Masquerade**  
You are masquerading as *balthaz*.  
Quick switches:  
[Switch back](#)

**Latest CBPP cases added**  
[Edgeryders](#) by David Rozas  
[H4ckademy](#) by David Rozas  
[CycleStreets Photomap](#) - cycle infrastructure examples from around the world by [cyclestreets](#)  
[The FairCoin](#) by David Rozas  
[The Common House](#) by David Rozas

**Latest CBPP cases updated**

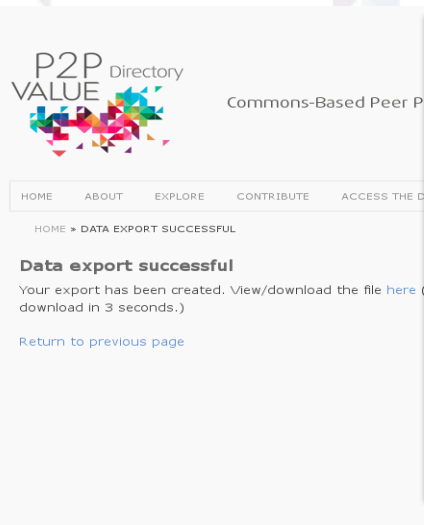
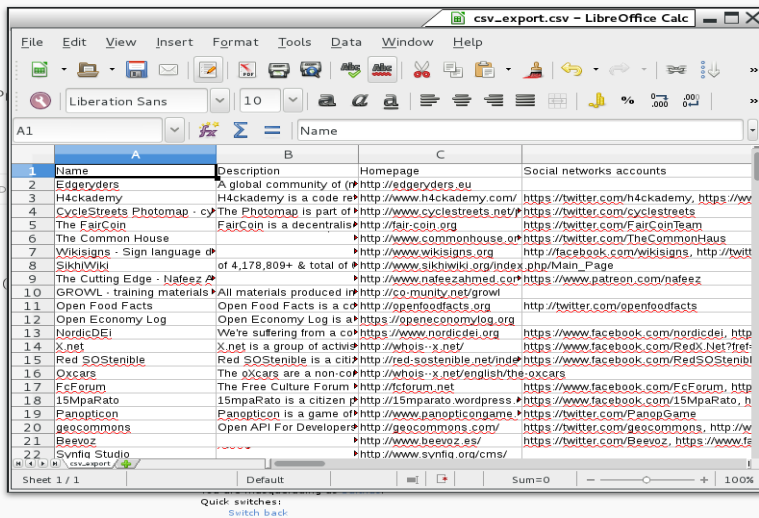
## Accessing the data: the “one-click” way

- A batch process to create an “up-to-date” version of the data in CSV
- Useful way to import it for statistical analysis (R, Calc, SPSS, etc.)

# Accessing the data: the “one-click” way

- Let's take a look

<http://www.directory.p2pvalue.eu/download/all-cbpps>

The screenshot shows a LibreOffice Calc spreadsheet titled 'csv\_export.csv'. The spreadsheet contains a table with 22 rows of data. The columns are labeled 'Name', 'Description', 'Homepage', and 'Social networks accounts'. The data includes various projects and organizations such as EdgeRiders, H4ckademy, CycleStreets, The FairCoin, The Common House, Wikisigns, SikhWiki, The Cutting Edge, GROWL, Open Food Facts, Open Economy Log, NordicDEI, X.net, Red SOStenible, The oXcars, FcForum, 15MpaRato, Panopticon, geocommons, Beevo2, and Svnflq Studio.

1	Name	Description	Homepage	Social networks accounts
2	EdgeRiders	A global community of	<a href="http://edgeriders.eu">http://edgeriders.eu</a>	
3	H4ckademy	H4ckademy is a code re	<a href="http://www.h4ckademy.com/">http://www.h4ckademy.com/</a>	<a href="https://twitter.com/h4ckademy">https://twitter.com/h4ckademy</a> , <a href="https://www.facebook.com/h4ckademy">https://www.facebook.com/h4ckademy</a>
4	CycleStreets Photomap	The Photomap is part of	<a href="http://www.cyclestreets.net/">http://www.cyclestreets.net/</a>	<a href="https://twitter.com/cyclestreets">https://twitter.com/cyclestreets</a>
5	The FairCoin	FairCoin is a decentralis	<a href="http://fair.coin.org">http://fair.coin.org</a>	<a href="https://twitter.com/FairCoinTeam">https://twitter.com/FairCoinTeam</a>
6	The Common House		<a href="http://www.commonhouse.org/">http://www.commonhouse.org/</a>	<a href="https://twitter.com/TheCommonHaus">https://twitter.com/TheCommonHaus</a>
7	Wikisigns - Sign language		<a href="http://www.wikisigns.org">http://www.wikisigns.org</a>	<a href="http://facebook.com/wikisigns">http://facebook.com/wikisigns</a> , <a href="http://twitter.com/wikisigns">http://twitter.com/wikisigns</a>
8	SikhWiki	of 4,178,809+ & total of	<a href="http://www.sikhwiki.org/index.php/Main_Page">http://www.sikhwiki.org/index.php/Main_Page</a>	
9	The Cutting Edge - Nafeez		<a href="http://www.nafeezahmed.com/">http://www.nafeezahmed.com/</a>	<a href="https://www.patreon.com/nafeez">https://www.patreon.com/nafeez</a>
10	GROWL - training materials	All materials produced in	<a href="http://co-munity.net/growl">http://co-munity.net/growl</a>	
11	Open Food Facts	Open Food Facts is a co	<a href="http://openfoodfacts.org">http://openfoodfacts.org</a>	<a href="http://twitter.com/openfoodfacts">http://twitter.com/openfoodfacts</a>
12	Open Economy Log	Open Economy Log is a	<a href="https://openeconomylog.org">https://openeconomylog.org</a>	
13	NordicDEI	We're suffering from a co	<a href="https://www.nordicdei.org">https://www.nordicdei.org</a>	<a href="https://www.facebook.com/nordicdei">https://www.facebook.com/nordicdei</a> , <a href="https://twitter.com/nordicdei">https://twitter.com/nordicdei</a>
14	X.net	X.net is a group of ac	<a href="http://whols-x.net/">http://whols-x.net/</a>	<a href="https://www.facebook.com/RedX.Net?ref=hl">https://www.facebook.com/RedX.Net?ref=hl</a>
15	Red SOStenible	Red SOStenible is a citi	<a href="http://red-sostenible.net/index.php">http://red-sostenible.net/index.php</a>	<a href="https://www.facebook.com/RedSOStenible">https://www.facebook.com/RedSOStenible</a>
16	Oxcars	the oXcars are a non-co	<a href="http://whols-x.net/english/the-oxcars">http://whols-x.net/english/the-oxcars</a>	
17	FcForum	The Free Culture Forum	<a href="http://fclorum.net">http://fclorum.net</a>	<a href="https://www.facebook.com/FcForum">https://www.facebook.com/FcForum</a> , <a href="https://twitter.com/fclorum">https://twitter.com/fclorum</a>
18	15MpaRato	15mpaRato is a citizen	<a href="http://15mparato.wordpress.com/">http://15mparato.wordpress.com/</a>	<a href="https://www.facebook.com/15MpaRato">https://www.facebook.com/15MpaRato</a> , <a href="https://twitter.com/15mparato">https://twitter.com/15mparato</a>
19	Panopticon	Panopticon is a game of	<a href="http://www.panopticongame.com/">http://www.panopticongame.com/</a>	<a href="https://twitter.com/PanopGame">https://twitter.com/PanopGame</a>
20	geocommons	Open API For Developer	<a href="http://geocommons.com/">http://geocommons.com/</a>	<a href="https://twitter.com/geocommons">https://twitter.com/geocommons</a> , <a href="http://www.facebook.com/geocommons">http://www.facebook.com/geocommons</a>
21	Beevo2		<a href="http://www.beevo2.es/">http://www.beevo2.es/</a>	<a href="https://twitter.com/Beevo2">https://twitter.com/Beevo2</a> , <a href="https://www.facebook.com/Beevo2">https://www.facebook.com/Beevo2</a>
22	Svnflq Studio		<a href="http://www.svnflq.org/cms/">http://www.svnflq.org/cms/</a>	

## Accessing the data: the “geeky” way

- REST (Representational state transfer) service: an architectural style designed by W3C applied to the development of web services
- Currently supporting XML, JSON and PHP objects
- Useful way to be used by other applications

# The “geeky” way: some examples

- Accessing the data in different formats:
  - XML (default): <http://directory.p2pvalue.eu/rest/api> (or .xml)
  - JSON: <http://directory.p2pvalue.eu/rest/api.json>
  - PHP: <http://directory.p2pvalue.eu/rest/api.php>

```
-<result is_array="true">
- <item>
  <nid>517</nid>
  <name>
    Wikisigns - Sign language dictionaries of the world
  </name>
  <description>
    Wikisigns is an open platform to create and share free sign
  </description>
  <homepage>
    <value>http://www.wikisigns.org</value>
    <title/>
    <attributes/>
    <path>http://www.wikisigns.org</path>
  </homepage>
  <options>
    <query/>
    <fragment/>
    <attributes/>
  </options>
</item>
- <social_networks_accounts is_array="true">
  <item>
    <value>http://facebook.com/wikisigns</value>
    <title>Facebook</title>
    <attributes/>
    <path>http://facebook.com/wikisigns</path>
  </item>
</social_networks_accounts>
```

## The “geeky” way: some examples

- You can also perform queries using the different values of the taxonomies by adding parameters to the URL
- E.g.: <http://directory.p2pvalue.eu/rest/api?languages=%22Spanish%22>

“All the communities which include 'Spanish' as a *Language of the platform*”

## The “geeky” way: some examples

- Several parameters can be combined: “AND” logic
- E.g.:

[http://directory.p2pvalue.eu/rest/api?languages=%22Spanish%22&legal\\_entity=%22public%20institution%22](http://directory.p2pvalue.eu/rest/api?languages=%22Spanish%22&legal_entity=%22public%20institution%22)

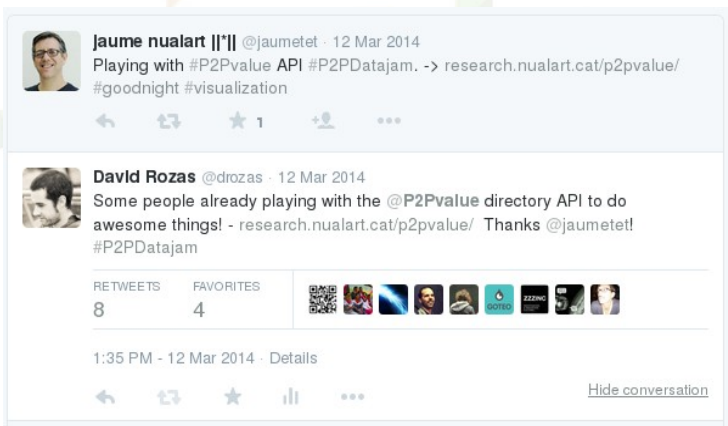
“All the communities which include 'Spanish' as a *Language of the platform* AND which have a value of "public institution" for the field *Legal entity*”



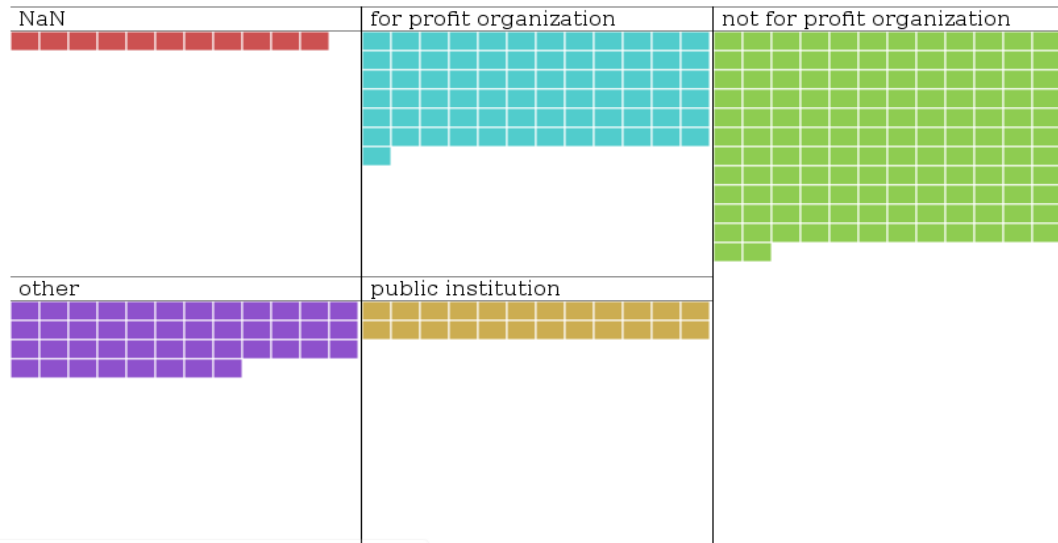
## The “geeky” way: some examples

- A concrete CBPP case can be selected using the NID (Node ID – Unique identifier)
- E.g.: <http://directory.p2pvalue.eu/rest/api.json?nid=250>  
All the information about the case 250 (Drupal) in JSON
- +info : <http://www.directory.p2pvalue.eu/api-instructions>

# Example of use of API during #P2PDataJam



Source: screenshot from <https://twitter.com/search?q=%40drozas%20p2pvalue&src=typd> retrieved 22nd June 2015



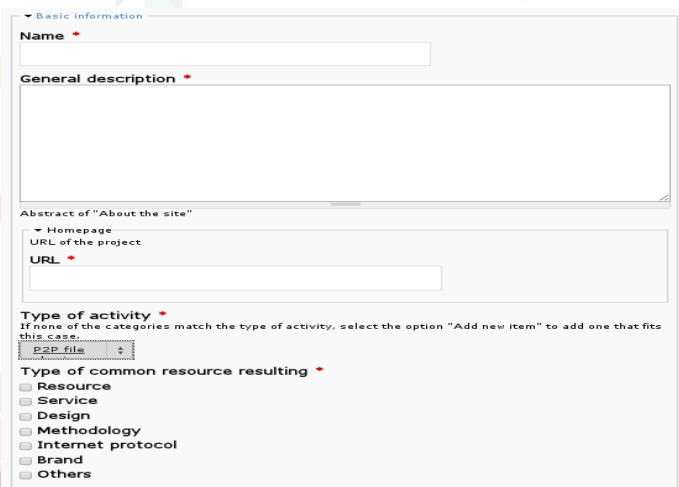
Source: screenshot from <http://research.nualart.cat/p2pvalue/> retrieved 22nd June 2015

<http://research.nualart.cat/p2pvalue/>

# Contributing

- Adding new cases or editing current ones
- Let's take a look:

<http://directory.p2pvalue.eu/node/add/cbpps-community>



▼ Basic information

**Name** \*

**General description** \*

Abstract of "About the site"

▼ Homepage

URL of the project

**URL** \*

**Type of activity** \*

If none of the categories match the type of activity, select the option "Add new item" to add one that fits this case.

P2P file ▼

**Type of common resource resulting** \*

- Resource
- Service
- Design
- Methodology
- Internet protocol
- Brand
- Others

# Ideas for future work

- Automatic collection of data from P2Pvalue platform
- Automatic collection of data from other sources: OpenHub of CBPP?
- Data visualisation: maps of the communities, user actions, graphical statistics, etc.
- User engagement mechanisms
- Let us know if you are playing with the data:

<http://www.directory.p2pvalue.eu/contact> or **@p2pvalue**

# Any questions/feedback?

Thanks!

¡Gracias!

Ευχαριστώ!

Grazie!

Danke!

+info|contact:

- David Rozas:
  - @drozas   [...]
  - <http://www.davidrozas.com>
- P2P value:
  - @p2pvalue  
  - <http://www.p2pvalue.eu>



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