

How Do You Know that Gal Knows Drupal? Towards an Open Source Curriculum and a Community-Based Accreditation Scheme for Drupal

Presented by

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Dominik Lukeš, Dyslexia Action, @techczech



**DRUPALCON
LONDON**

Follow along

<http://ietherpad.com/drupalcert>

g.d.o

Curriculum and Training Group

About Dominik

@techczech

Certified to Rock: **4**

D.o since **2006**

G.d.o groups started: **2**

DrupalCon sessions: **3**

First installed: **D4.6**

Drupal sites built: **~50**

Modules installed: **~150**

WordPress blogs: **6+**



DominikLukes.net

Researchity.net

MetaphorHacker.net

StrcPrstSkrzKrk.com

**Dyslexia
Action**

Assessment • Education • Training

About Heather

@learningdrupal
“heather” on d.o
IRC: nearlythere

Certified to Rock: **6**
D.o since **2002**
G.d.o - groups admin: **2**
Con or Camp sessions: **4**
First installed: **D4.?**
Drupal sites built: **?**
Modules installed: **100s?**



training.acquia.com

AcquiaTM

About you...

Trainers?

Formal education?

Experienced with certification?

Potential “consumer” of certification?

Introduce yourself on <http://ietherpad.com/drupalcert>

Outline

- Part 1** Why we're here. Defining terms
- Part 2** Context – our community and past conversations
- Part 3** Models of certification
- Part 4** Proposal for an Open Curriculum API
- Part 5** Response from you: Where do we go from here?



Coming to Terms

curriculum

certification

instructional design

accreditation

assessment

competencies

learning materials

syllabus

curriculum

not a syllabus

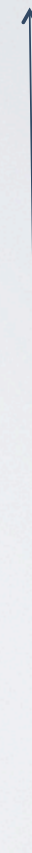
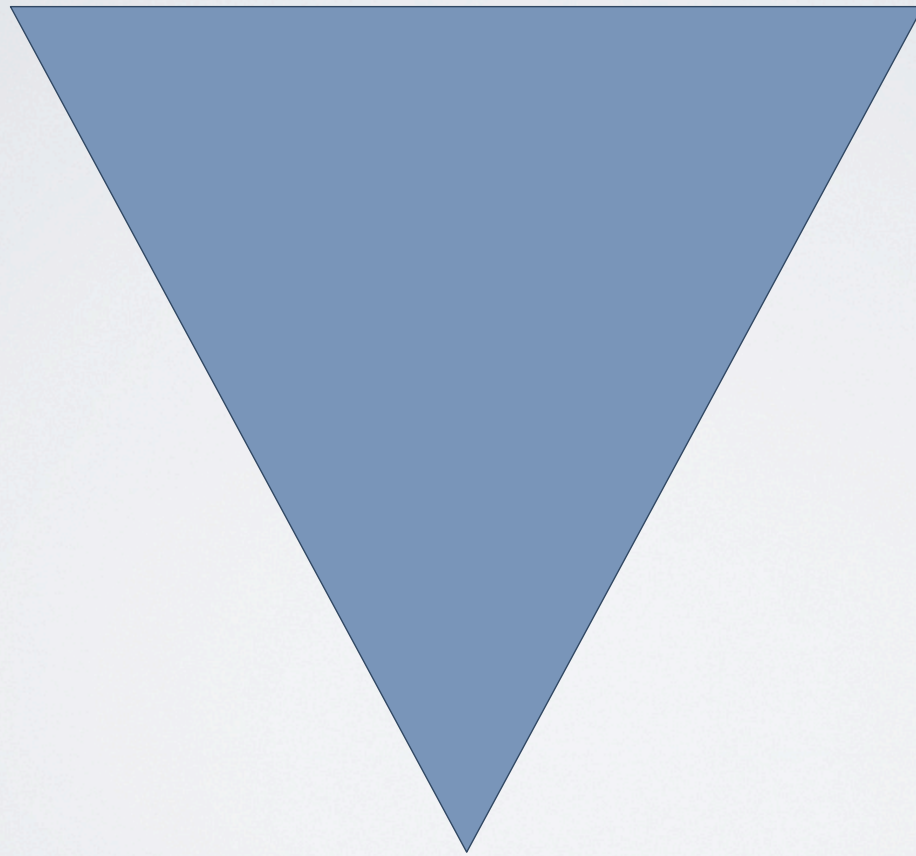
not a set of materials

not a course

curriculum

defines **competencies** to
build a **syllabus** to design a set
of **materials** to run a **course**

curriculum



Years

Months

Weeks

competencies

relate to real life

needs can be linked to

learning materials can be

assessed through real
achievements

competency

Install Drupal 6 on a LAMP server

Select and install appropriate modules for Drupal 6 to enable listing of content, ...

pseudo-
competency

*Know how modules are
used in Drupal*

competency controversy

behavioral descriptors good or
bad?

certification

not an exam

not a course

not accreditation

assessment

not just a
standardized test
like a voodoo doll



<http://www.flickr.com/photos/rubygirlcreations/5080224786>

certification

statement by **a trusted body** about the **level of competence** of the certified person

certification

can be based on ...

exam results

observed **performance**

completion of **course**

portfolio of work

membership in an organization

accreditation

statement of **trust** in a certifying
body as to their **competence,**
reliability, fairness,
impartiality

Context

Drupal up until now

Word of mouth
reference

The Drupal.org profile
as the ultimate CV of
a Drupal developer



<http://www.flickr.com/photos/ngmmemuda/4928131604>

Drupal community today

Drupal demand outstrips
available talent

Clients unsure how to
assess skills

Skilled Drupal developers
who are invisible (don't
participate in community)



<http://www.flickr.com/photos/runforcover/3791930953>

Developers

New Drupal developers
not sure how to start
learning

Experienced
developers unsure
where they should go
next.



<http://www.flickr.com/photos/mortendk/1439332466>

New Drupalist

- How can I get started in Drupal?
- What's next for me?

Community

- How can we validate this person's skills?
- What needs are there in the community?

Client

- How can I find the right person?
- Who am I looking for?

Drupal training up to now

Development companies offering public and private training

Either custom made materials or books as text books

People go into training, and no way to see what they have done.



<http://www.flickr.com/photos/add1sun/3580280785>

Drupal training - online

Free resources

- Primary sources such as Learn by the Drop, Drupal Dojo
- Aggregators

Paid resources

- Drupalize.Me
- Buildamodule.com
- Lynda.com



<http://www.flickr.com/photos/gregoryh/110313882>

Drupal certification

**Drupal certification panel
Chicago**

Drupal Guilds

Certified to Rock:

<http://certifiedtorock.com>

Lullabot “certificate of attendance”



Drupal certification status



Greg Knaddison
DrupalCon
Chicago 2011

The screenshot shows a video player window titled 'certificationsanddrupalthreestrategies.mp4 [1/2]'. The video content is a presentation slide titled 'History of certifications in Drupal'. The slide lists the following events:

- Dec 2007: Consultants mailing list
- April 2008: Acquia announces *plans*
- June 2008: NobleProg announces *program*
- September 2008: Gloscon announces *program*
- March 2009: oDesk Drupal group & test
- August 2009: Consultants mailing list
- April 2010: Certified to Rock launches
- August 2010: Guilds group created on g.d.o

At the bottom of the slide, it says 'Details: <http://growvs.com/n/964>'. The video player interface includes a progress bar at the bottom showing '00:08:10/01:01:08' and a 'PREFERENCES' button.

Comparison of Models

Delivery/assessment method

Paper

- Consistent, perception of objectivity
- Translation, updating

Performance

- Rigorous
- Costly

Portfolio

- Comprehensive
- Perception of subjectivity

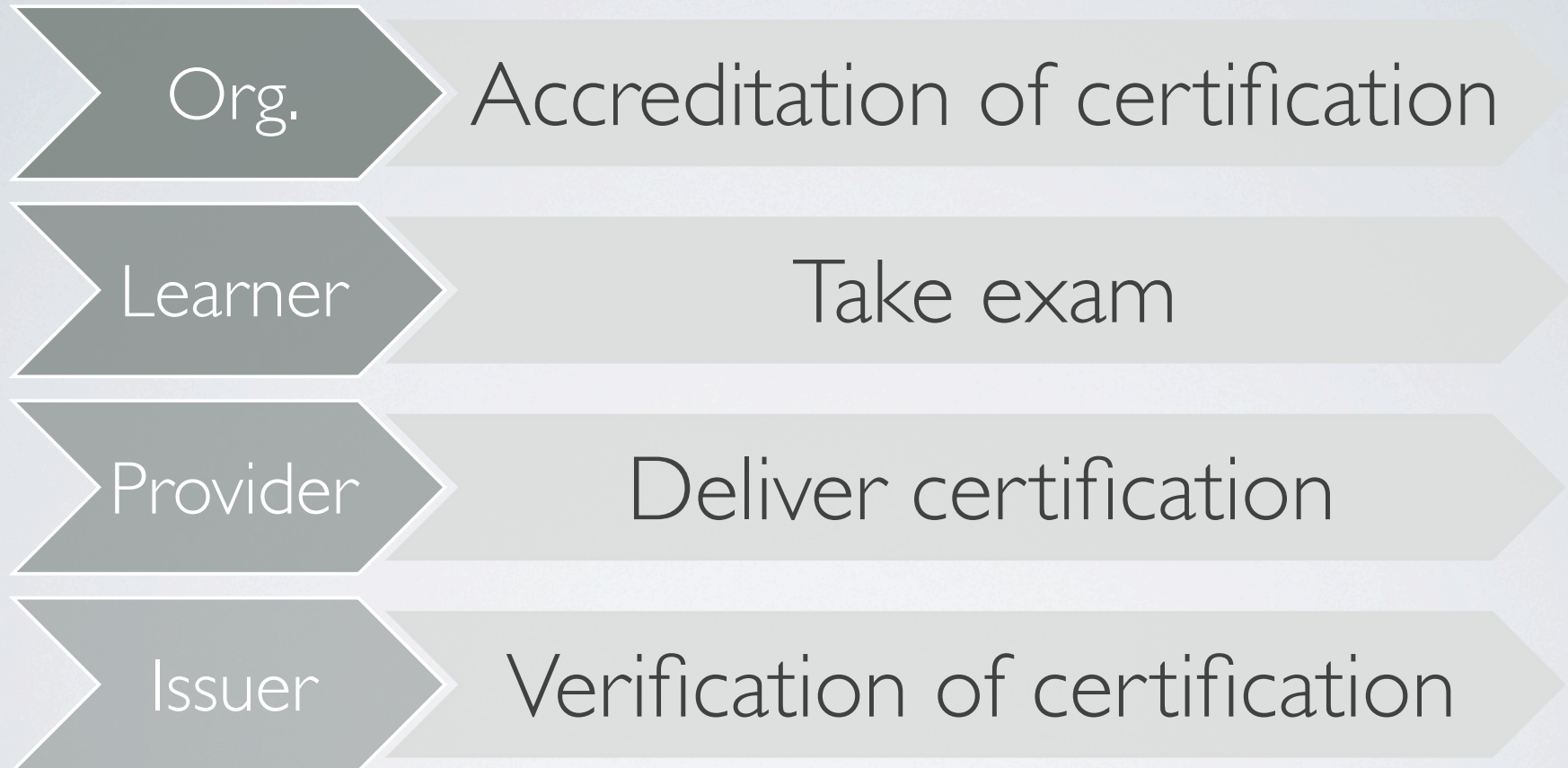
Is validated

For organizations certifying
1000+ individuals.



- Created a “Web based credential clearinghouse” July 27th 2011. <http://www.lpi.org/tcr>
- <https://credentialclearinghouse.com>
- <http://www.itcertcouncil.org/>

Provides evidence



<http://ciscocertificates.com/verify.cfm>



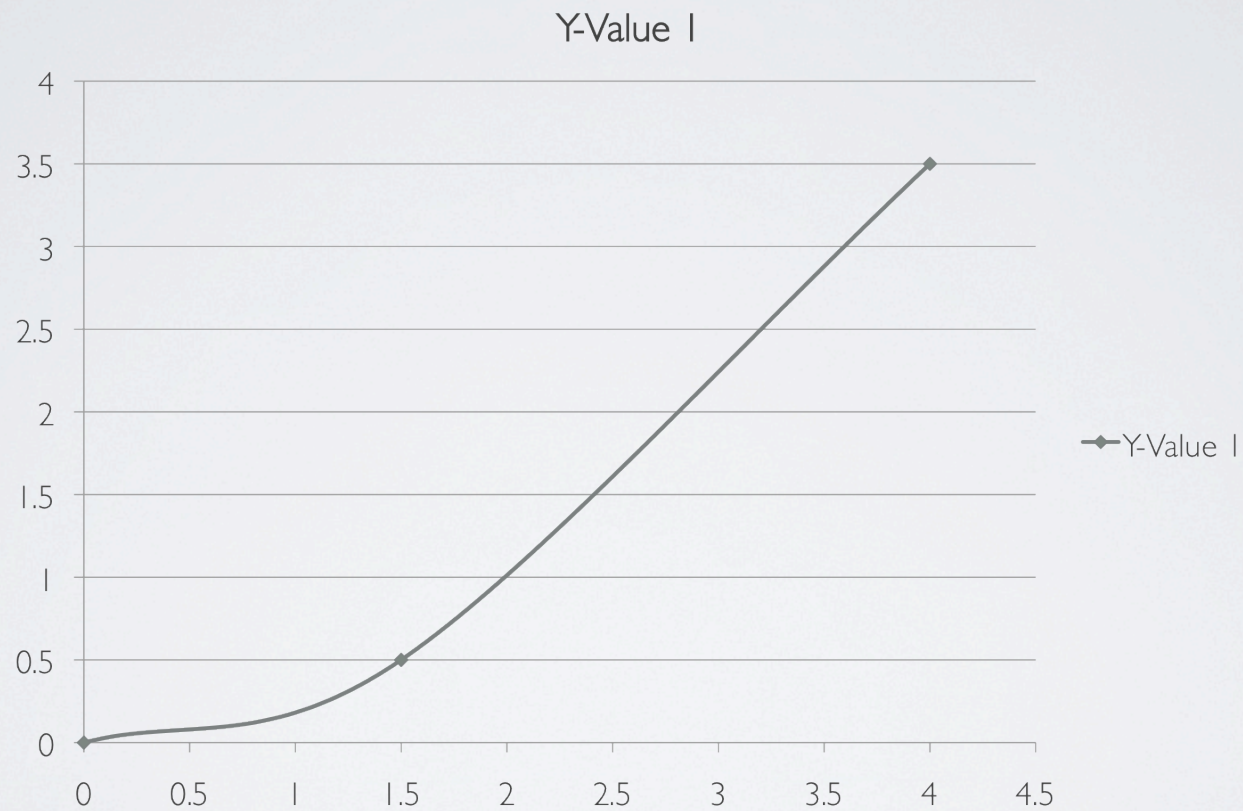
Skills

Looser

Tighter

Rep.

Early entry easier



What other models?

Share examples here:

ietherpad.com/drupalcert

In other communities



In other communities

Valued?



How others do it in open source



Typo3

Certification is important...

1. **for TYPO3 Customers**
to assure the selected service supplier has the knowledge to implement a proper and successful TYPO3 solution.
2. **for the TYPO3 Project**
to show the market that there are lots of skilled specialists offering professional TYPO3 service
3. **for TYPO3 Professionals**
to train and test their skills and to present themselves as certified professionals to the market
4. **for YOU**
because you are one of us

Open source PHP CMS



Typo3

Certified TYPO3 Integrator

The "TYPO3 integrator" **develops the template for a website, configures all the necessary extensions and creates the access rights for backend users.** The "TYPO3 integrator" does **not** **install TYPO3 on the webserver and does not programm extensions.** The "TYPO3 integrator" knows how to configure the preinstalled TYPO3 by using the installer.

The integrator certification is **valid for a major version of TYPO3**, e.g. 4 at the moment, and **does not expire.**

Typo3

Correct Answer(s): A)

Category: TypoScript

Difficulty: Heavy

Which HTML output produces the following "products" and id 3 is the page contact:

```
page = PAGE
page.10 = HMENU
page.10.special = list
page.10.special.value = 2,3
page.10.1 = TMENU
page.10.1 {
NO = 1
NO.before =  |*| - |*|
}
```

A) -products-contact

B) products-contact

Guideline for question writing

This guideline helps to write correct and didactical sensefull questions. Please read it carefully before you provide us with your TYPO3 certification questions.

Thank you for your questions. Without your input we could not start a successfull certification program. Although you provide input for the exam you can take the test by yourself. You will get enough questions you do not know. And - certainly - you are an expert.

Have a look at our example questions

Conventions for questions

You should input your questions into the question system of certification.typo3.org. When you have no account we will provide you with (contact: certification.typo3.org). When it is not possible to put your questions in our system send them via email as simple text files (contact: certification.typo3.org).

Typo3

Paper based
exams
Associated with
various events
200

Congratulations!



Till today we have over 600 «Certified TYPO3 Integrators».

The certification team congratulates them!

Title	Date	Time	Vacancies	Registration
TYPO3camp Hamburg	06.08.2011	15:00–17:00	enough 	Register now
Belgrade, Serbia	15.08.2011	14:00–16:00	enough 	Register now
FrOSCon	20.08.2011	15:00–17:00	enough 	Register now
Brandenburg (near Berlin)	27.08.2011	12:00–14:00	enough 	Register now
Aarhus	02.09.2011	14:00–16:00	enough 	Register now
TYPO3camp Munich	10.09.2011	15:00–17:00	enough 	Register now
LinuxCon Europe	28.10.2011	13:00–15:00	enough 	Register now
TYPO3camp Italia	28.10.2011	14:00–16:00	enough 	Register now

Typo3

Till today we have over 800 «Certified TYPO3 Integrators»

Please note:


1. If you can not find your name here you might have forgotten to tell us to get listed on the certification website. **Please feel free to send us a short note** and you also will get listed here. You always will have the possibility to revoke your listing.
2. If you are listed, but you have not yet received your certificate by mail: Please wait a few days before you ask us for the certificate. It might take some time till the certificate arrives at your location by (snail) mail. Thanks for your understanding.


A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

• A 

 **Admiraal Rens** Netherlands


 **Agustí Albert** Spain

 **Ahmad Mansoor** Germany

 **Alder Daniel** Switzerland

 **Alessandri René** Switzerland

 **Alimi Michaël** France

 **Alker Martin** Germany

 **Altrichter Kai** Germany

 **Ammerl Pierre** Germany

Typo3

None in:

UK

US

Canada

Till today we have over 800 «Certified TYPO3 Integrators»

Please note:

1. If you have your name here you have forgotten to tell us. You can also get listed here [free to send](#) us your details. You also have the possibility to revoke your listing at any time.
2. If you are listed, but have not yet received your certificate by email, please wait a few days. If you ask us for your certificate, it will take some time for it to arrive at your mailbox. Thanks for your understanding.

ABCDEFGHIJKLMNOPQRSTUVWXYZ

• A

- Admiral
- Agustí Albert
- Ahmad Mansoor
- Alder Daniel Switzerland
- Alessandri René Switzerland
- Alimi Michaël France
- Alker Martin Germany
- Altrichter Kai Germany
- Ammerl Pierre Germany

Zend

Exam Topics

MVC

- Components
- Pattern Basics
- Bootstrap
- Zend_Controller
- Zend_Layout

Infrastructure

- Zend_Config
- Zend_Session
- Zend_Registry
- Zend_Loader

Internationalization

- Zend_Date
- Zend_Translate
- Zend_Locale
- Zend_Currency
- Zend_View_Helper_Translate
- Internationalization Performance

Authentication and Access

Performance

- Zend_Cache
- Script inclusion
- Optimization
- Zend_Memory

Forms

- Zend_Form
- Validation/Filtering
- Decorators
- Elements
- Forms
- Display Groups & Sub Forms
- Configuration
- Internationalization

Security

- Cross Site Request Forgery

Diagnosis and Maintainability

- Zend_Debug
- Zend_Log

Filtering and Validation

- Filtering Chains
- Custom Filters
- Standard Validation Classes
- Validator Chains
- Custom Validators

search

- Zend_Search_Lucene
- Indexing
- Querying
- Performance

Database

Mail

- Constructing
- Storage
- Message retrieval
- Storage providers
- Message sending

Coding Standards

- Coding conventions
- Zend_Loader

Web Services

- XML-RPC Client
- XML-RPC Server
- REST Client
- REST Server
- Zend_Service Web Services



[Test Prep for the PHP 5 Certification Exam - Classroom Training \(Italy\)](#)

The perfect way to hone your PHP skills and ensure you pass the Zend PHP Certification Exam! Price includes Zend PHP Certification Exam Voucher - a €195 value.

18 Hours | Difficulty: Intermediate to Advanced.
Class is in Italian

€1,200.00



[Zend PHP 5.3 Certification Exam Voucher](#)

Purchase the voucher for the Zend PHP 5.3 Certification exam - prove your PHP expertise and get listed among the top PHP developers in your region.

€195.00



Umbraco

Example 2-day course fee:
£775 +VAT
with certification

These in-person, hands-on classes are **the only way to qualify for Umbraco Certified status** and are the entry point for professional organizations to enter the Umbraco Partner program.

<http://umbraco.com/products/training>

Level 1 Course

Learn how to implement websites fast without compromising designs. This two-day course will go through the basics of umbraco from a designer/developer point of view.

You'll learn best practices on multi-lingual sites, creation of re-usable navigations and lists, input via the AutoForm and even end up loving XSLT. [more information...](#)

[Find a trainer near you](#)

Level 2 Course

Learn how to integrate existing .NET applications into umbraco and how to customize umbraco using Microsoft Visual Studio.

This two-day course will cover the usage of .NET controls in macro event-programming in umbraco through the new Event model and how to integrate your own applications and logic directly in the umbraco interface. [more information...](#)

[Find a trainer near you](#)

Open source ASP.NET CMS



RedHat

Performance-based Exams

The RHCE exam is Performance-based- means that candidates must perform tasks similar to what they must perform on the job.

[https://www.redhat.com/courses/
ex300 red hat certified engineer exam](https://www.redhat.com/courses/ex300)



WordPress User Association

Join **WPUA** Today! Become Part Of A Community That Gives Back

	Basic	Premium	Sponsor
Access To Video WordPress Training Courses - Over 100 hours of pure content on almost any blogging topic you can think of:	✓	✓	✓
Official WPUA Seal For Your Website :	✓	✓	✓
Extensive Community Support Through Our Forums :	✓ Limited	✓	✓
Access To Closed Door Sessions At Industry Events :	✓ Limited	✓ Discounted	✓ Discounted
Gain Community Certification Levels Of Pro & Expert :	✓	✓	✓
Create Personal Community Alerts To Allow You To Stay Up To Date On Topics Of Your Choice :	✓	✓	✓

Join

Access To Video WordPress Training Courses - Over 100 hours of pure content on almost any blogging topic you can think of:

Official WPUA Seal For Your Website :

Extensive Community Support Through Our Forums :

Access To Closed Door Sessions At Industry Events :

Gain Community Certification Levels Of Pro & Expert :

Create Personal Community Alerts To Allow You To Stay Up To Date On Topics Of Your Choice :

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Create Personal Community Alerts To Allow You To Stay Up To Date
On Topics Of Your Choice :



Code Poet - WordPress



*A directory of WordPress professionals brought to you by
Automattic, the company behind WordPress.com.*

FOR PUBLISHERS

Code Poet is a directory of WordPress professionals, web designers, and developers brought to you by [Automattic](#), the company behind WordPress.com and the largest operator of WordPress sites (20 million and counting).

We receive a steady stream of requests from people looking for WordPress-savvy web design and software development firms. In response we've started Code Poet, a directory of consultants who specialize in building beautiful and efficient WordPress sites.

Search

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FOR CODE POETS

WORDPRESS PROFESSIONALS WANTED

Join the elite network of professionals focused on WordPress development, strategy, design, training, security, and more.

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CODE POETS ON OLD SITE

Were you a Code Poet listed on the old site? [Contact us](#) and let us know so you can fill out a company profile immediately.

RECENTLY ADDED PROFILES

• [Stomp Box](#)

<http://codepoet.com/apply/>

Typo 3
(doesn't expire)

Skills

Red Hat
(performance)

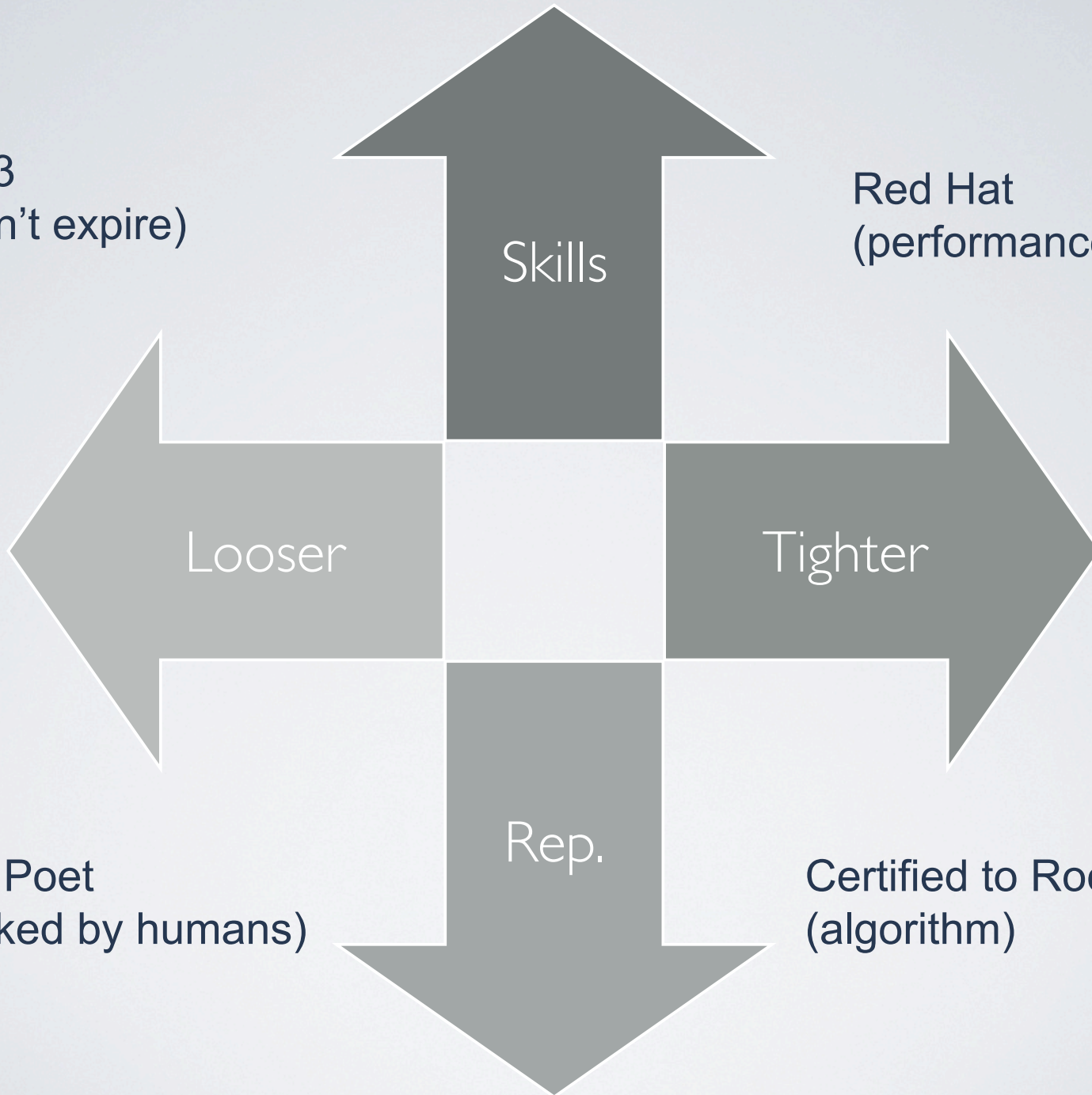
Looser

Tighter

Code Poet
(checked by humans)

Rep.

Certified to Rock
(algorithm)



Mozilla's Open Badge Infrastructure (OBI)

<http://wiki.mozilla.org/Badges>

BADGE ISSUERS →



After-School Program



Online Learning



Culinary Institute

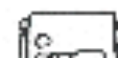
BADGES →



LEARNER →



BADGE BACKPACK →



LEARNER →



BADGE BACKPACK →



Your Web Site



LinkedIn / Facebook



WordPress / Tumblr



Resume and
Employment Sites



Jobs

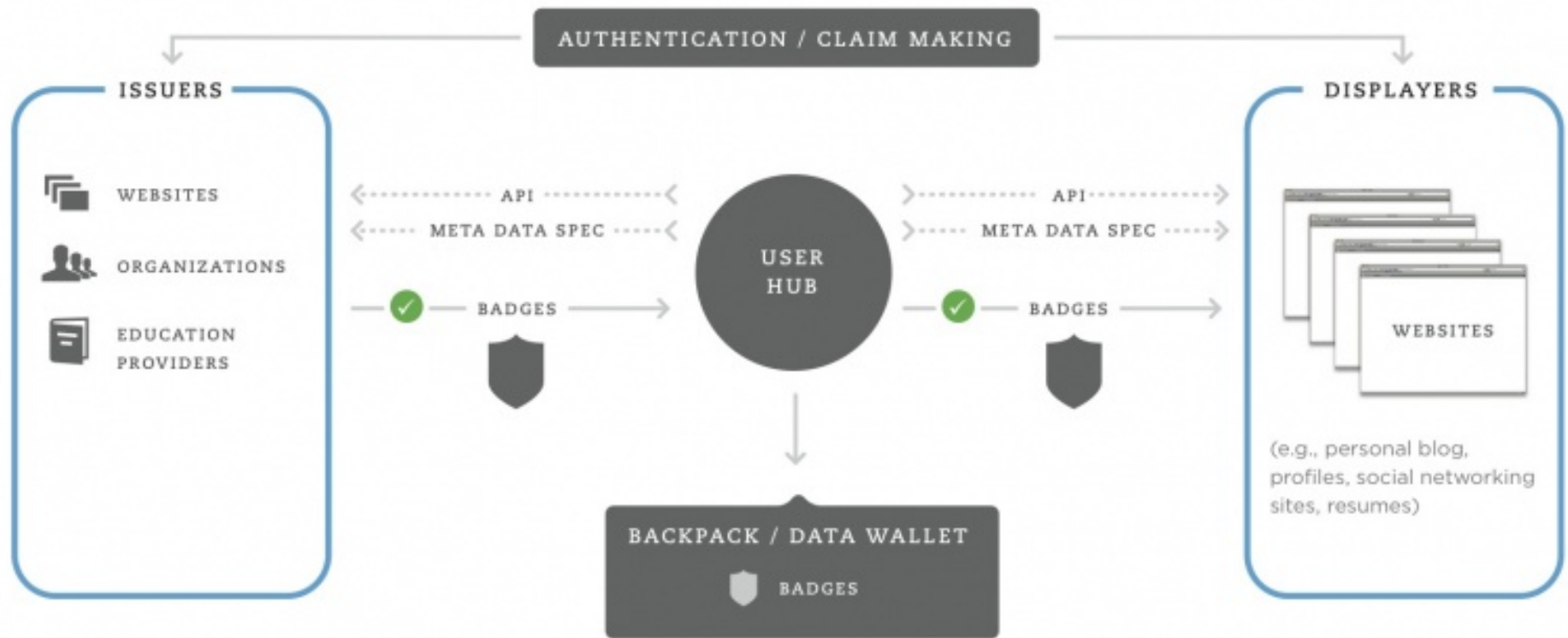


Educational
Opportunities



Unlock New
Privileges

OPEN BADGE SYSTEM INFRASTRUCTURE

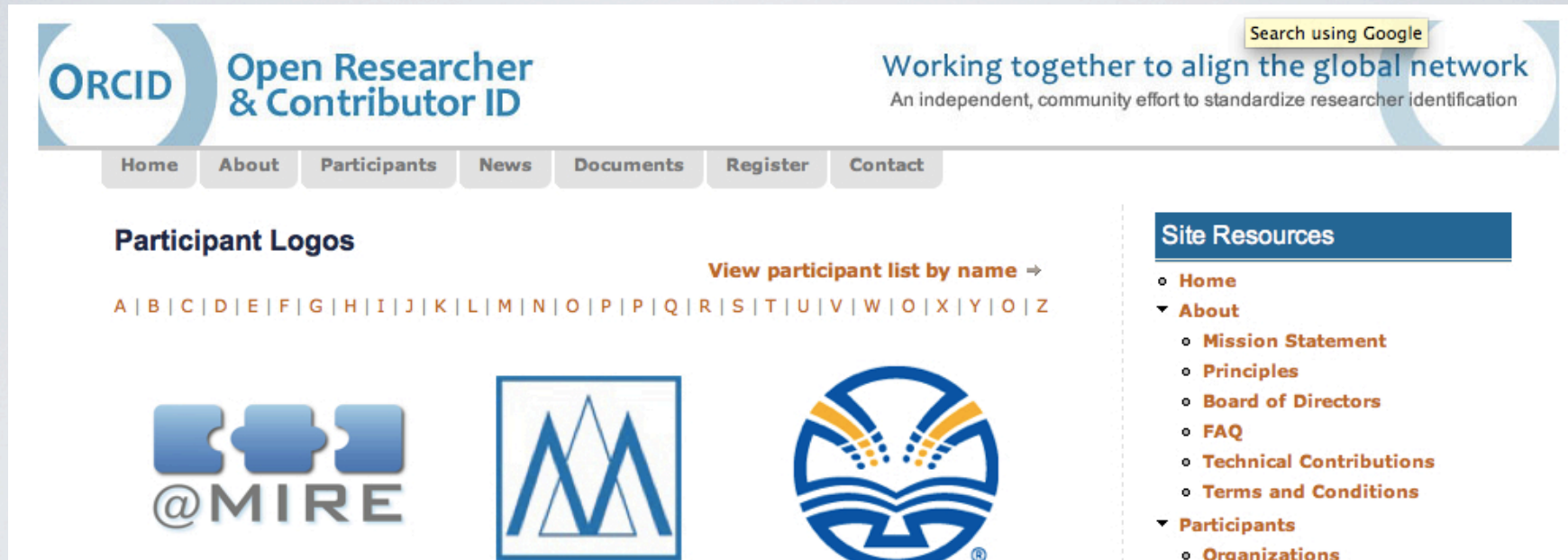


□ Independent and agnostic. Outside of Mozilla infrastructure.

✓ User consents to accept badges into hub, as well as to send to site for display.

<https://github.com/brianlovesdata/django-obi>

Similar...



Technology - Similar to the certification validation of Cisco, etc.

Philosophy - ORCID - Open Researcher and Contributor ID (ORCID) <http://orcid.org/>

[THE GALLERY](#)[DESIGN CHALLENGE](#)[ABOUT US](#)[THE TOOLKIT](#)[Join Us](#) | [Log In](#)

SEARCH FOR

Designs

[POST YOUR DESIGN](#)

Badges



Champion of the Collective

Design Challenge Winner



Creative Pioneer

Someone who's not a beta tester, but rather one of the first people to sign up for the site once it goes live.



Fellow of the Arts

Participated in 25 design challenges.



Founder

A limited edition badge for those who create an account within the first week of launch.

Badges



Champion of the Collective



Creative Pioneer



Fellow of the Arts



Founder



Hero of the Collective



Laudable Contributor



Minister of Design



Pixel Charmer



Rock Star

<http://creative.mozilla.org/badges>



Granular. Rigorous criteria and solid evidence.

Open Source Contributor Badge Challenge



Description:

0



This badge signifies individual participation and contribution in an open source or collaborative development project.
NOTE: this badge is required for the Javascript Expert or PHP Expert badges.



Assessment Type:

PEER - any peer can vote on submitted work. The badge is issued after 1 YES vote.

Assessment Challenge:

- Post a link to a source repository demonstrating individual contribution.
- Write a short narrative (couple of sentences) about your contribution to the project.

Assessment Rubric:

- Work is this individual's own work/contribution

webcraft

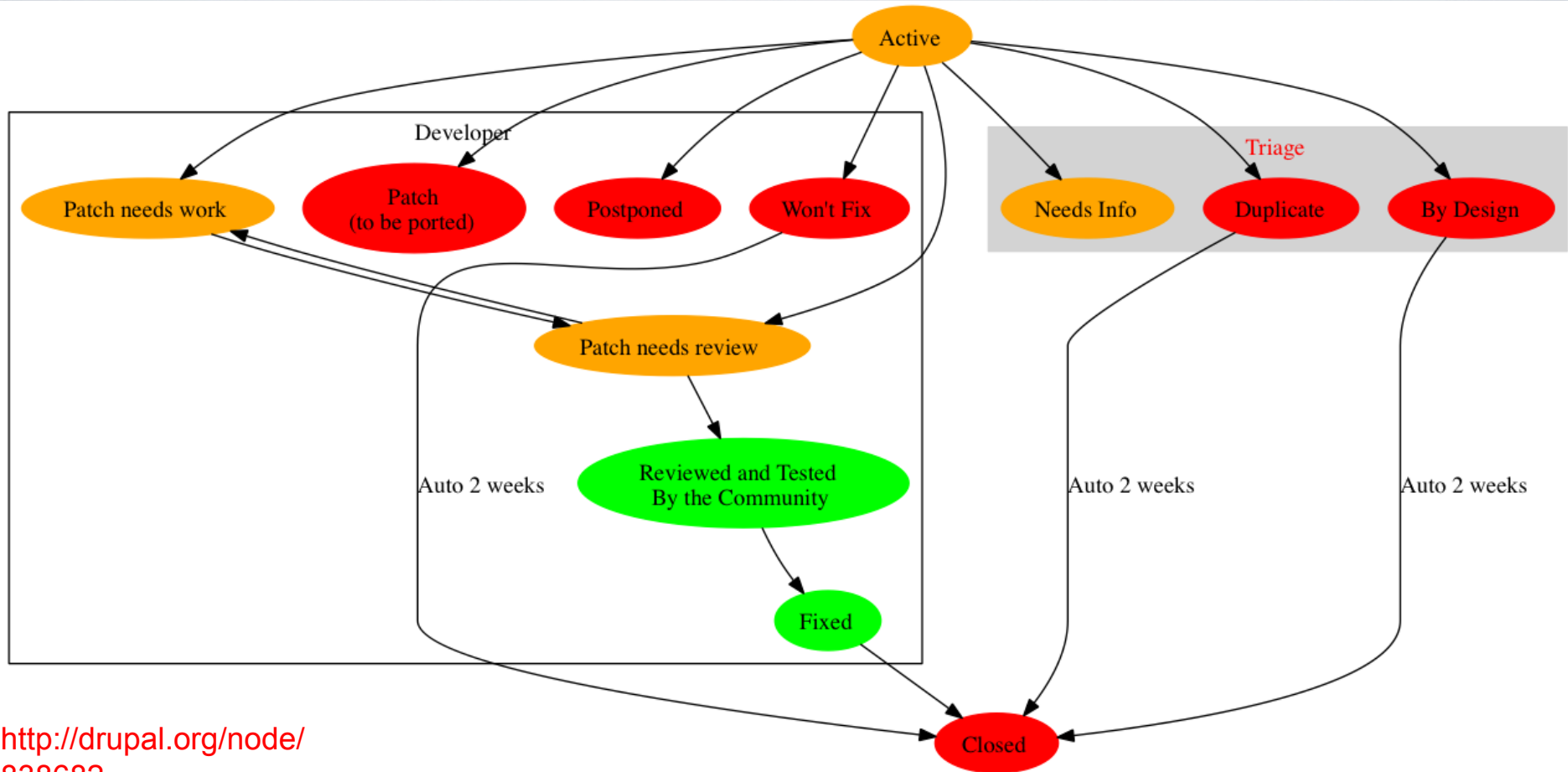
open-source-contributor-badge

<http://badges.p2pu.org/questions/7/open-source-contributor-badge-challenge>

Who?

- Community organizations
- Commercial training providers
- Peers can create and issue badges

Views Bug Squad




<http://drupal.org/node/838682>

State transitions
Obvious transitions are left out (like reopen a closed issue)


<http://www.angrydonuts.com/forming-a-views-bug-squad>

Open Hatch


 [people](#) [projects](#) [volunteer opportunities](#) [missions](#) [log in / sign up](#)

OpenHatch · community tools for free and open source software

Contribute to open source!




Get up to speed on tools often used in open source software development with our **training missions**

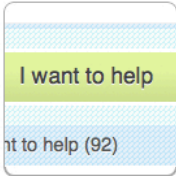


Find a 'bitesize' (easy) bug to work on in a language you know with our **volunteer opportunity finder**

Attract contributors to your project!



Find a mentor in a language or project you're interested in among our **people**



Want to help a specific project but don't know where to jump in? Click 'I want to help' on **the project's OpenHatch page**

[Try it out! »](#)

About OpenHatch.org

Free, open source software **loses tons of prospective contributors** because it is difficult to learn how and where you can fit in.

OpenHatch is an open source community aiming to **help newcomers find their way** into free software projects. We work toward this goal through this website and outreach events.

<https://openhatch.org/+projects/Drupal>



Training missions

for contributing to open source software

These missions will allow you to learn some skills that will help you successfully contribute to free/open source projects.

We developed them as part of John's Google Summer of Code project, which you can [read more about in the OpenHatch blog](#).

We're looking for feedback. Please [get in touch with us](#) and let us know what you think. Our plan is to polish up these missions and then write a HOWTO guide explaining how other people can add their own missions.

Using tar

Learn how to work with tar archives.

[Go to this mission](#)

Using diff and patch

Learn how to use diff and patch to submit changes to a project or apply others' changes.

[Go to this mission](#)

Using Subversion

Learn how to interact with projects that use the Subversion version control system.

[Go to this mission](#)

Using Git

Learn how to interact with projects that use the Git version control system.

[Go to this mission](#)

<https://openhatch.org/missions/>

Open Hatch

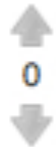
Q: What's a good bug for a newcomer to tackle?

Any open issues marked "novice"

The issue queue on [Drupal.org](#) has a tag call "novice", to mark issues which new Drupal users could tackle or review.

Search [novice issues](#)

— [heather](#) · 1 year ago



<https://openhatch.org/+projects/Drupal>

Asheesh Laroia



@asheeshlaroia

Grow the community through
outreach and diversity

<http://tinyurl.com/pythondiversity>

How can you get people from disadvantaged backgrounds
Involved in Open Source??

“There are extremely privileged people who still can't grok how the issue queues work”

- webchick

What if...?

Training methods

Courses

Informal

Self-directed



Assessment models

Exam

Portfolio

Vouched



Federated

Evidence

Validation

Open Curriculum and Community-based Certification

Some Generative Metaphors



New to City & Guilds?

Are you thinking of taking or offering a City & Guilds qualification? Not sure what's involved?

[See what we can do for you](#)[Learners](#)[Centres](#)[Employers](#)[External Verifiers](#)

Learners

Guidance on the right qualifications

- > Why City & Guilds?
- > What are City & Guilds qualifications?
- > Where can I study?
- > Replacement certificates
- >> Visit the Learners' page



Qualification finder

[Browse all subjects](#)

Enter subject or qualification code:

[Find it](#)

The curriculum story

What if curriculum development
was like open source software
development?

Open Source Code

Is **public**

Has **maintainers**

Relies on **patch** submitters

Has development **branches**

Has numbered **releases**

Has automatic **tests, APIs,**
coding standards

Curriculum

Is (usually) **public**

Has **maintainers** (authorities)

Difficult to submit **updates**

Has infrequent **updates**

Is occasionally revised

Has approved textbooks,
materials, and courses

FOSS

CURRICULUM

Is **public**

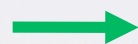
Has **maintainers**

Relies on **patch** submitters

Has development **branches**

Has numbered **releases**

Has automatic **tests, APIs, coding standards**



Is (usually) **public**

Has **maintainers** (authorities)

Difficult to submit **updates**

Has infrequent **updates**

Is occasionally revised

Has approved textbooks, materials, and courses

Open Curriculum

Is **public**

Has **maintainers** (authorities)

Easy to submit **updates**

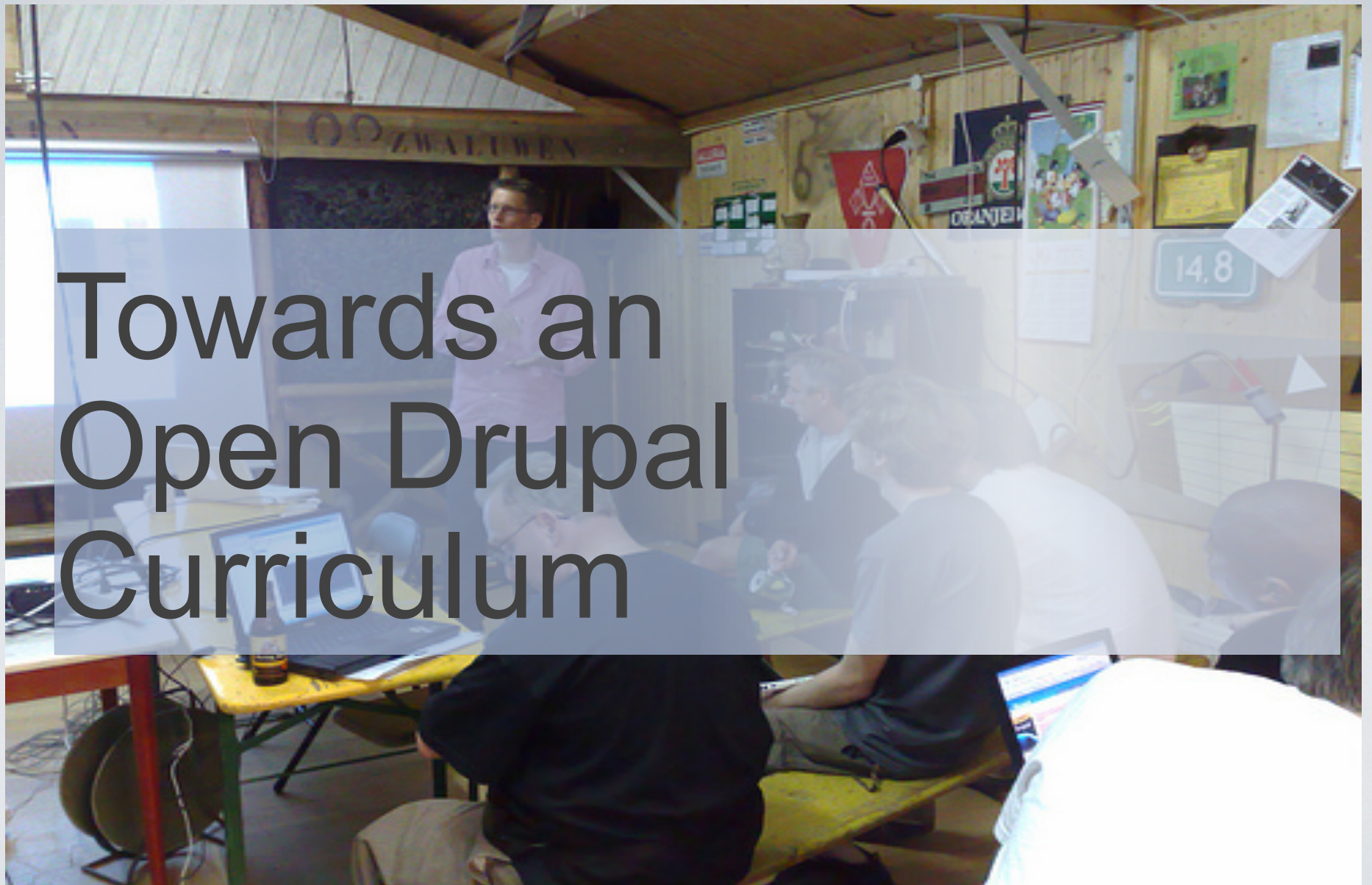
Has regular **updates**

Has **compatible** materials,
activities, courses, etc.

Metaphor breakdown

If curriculum is like code, how do we ensure compatibility of modules? What are the unit tests for curriculum?

Towards an Open Drupal Curriculum



*Image by [13956390@N06](#) via [Flickr](#)

Open Drupal Curriculum

Publicly accessible guidelines
organized around X
competency areas each with a
maintainer responsible for
patches and **version**
releases...

...each competency defines
compatibility with different
types of **learning materials**
and activities and acceptable
assessment methods...

...**training providers** are free to **share** materials compatible with competencies or can use the curriculum to develop **commercial** materials...

...**certification providers** can review an individual's **portfolio** or conduct **other assessment** regarding the **achievement** of competencies ...

Certification is best when
community-based
open
distributed
diverse
representatively democratic

...certification providers both
sell and **earn** their
trustworthiness through an
community-based system.

Community-based certification / accreditation

Machine assisted trust

More metaphors

Web of Trust

Cryptographic signature

Badges



Why should training providers
contribute to an open
curriculum?

Add value to training participants

Offer a progression of courses

Consult corporations to ensure staff skills profile

Develop materials quickly and consistently

Ensure direction of certification

Benefit from training experiences of others



*Image by [53268439@N00](#) via [Flickr](#)

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.

How is this good for people new to Drupal?

Find your way into Drupal

Create a learning programme for self-study

Alternative route to Drupal competence

Make it easier to advertise services

Make it easier to get a job

How is this good for the Drupal community?



*Image by [8897633@N02](#) via [Flickr](#)

Make entry easier for new members

One more way of finding out who to trust in an increasingly global and more diverse Drupal community

How does is
this good for
clients?



<http://www.flickr.com/photos/poolie/2250698836>

Make it easier to hire employees /
contractors for the right jobs

Make it easier to create personal
development plans for their dev
teams

Challenges



<http://www.flickr.com/photos/peppysis/5144666592>

Discussion

<http://ietherpad.com/drupalcert>

Small group discussion

Please pick a “scribe”

1. Practical discussion

How would the API work?

2. Critical discussion

SWOT - Strengths, Weaknesses,
Opportunities, and Threats

Where do we go from here?

Join us for a BoF!

Date and time: Next!

3:15-3:45 - Room 332 - CROYDON COLLEGE

<http://tinyurl.com/drupalcurriculumBOF>

Online discussion on-going

<http://groups.drupal.org/curriculum-and-training>

What did you think?

Locate this session on the
DrupalCon London website:

<http://london2011.drupal.org/conference/schedule>

Click the “Take the survey” link

THANK YOU!

