



The State of OPENedX

October 12, 2015
Open edX Conference

<http://open.edx.org>

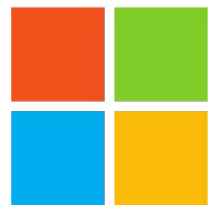


Thanks,
Mitch Resnick!

Thanks to our sponsors!



ExtensionEngine



Microsoft

edcast



appsembler

eduStack

arbisoft



OpenCraft



PERPETUAL LEARNING

firstly

An Introduction

OPENedX

What is it?



What is it?

What is edX?

- A non-profit venture
- A web site (edx.org)
- A platform (Open edX)

edX, the non-profit venture

- Founded by Harvard and MIT
- > 80 Members

Schools and Partners

[edX Charter Members](#) [edX Members](#)

edX offers the highest quality courses from institutions who share our commitment to excellence in teaching and learning.

500+

courses in subjects such as humanities, math, computer science

1,200+

faculty and staff teaching courses and discussing topics online

400,000+

certificates proudly earned by edX students

EDX CHARTER MEMBERS



Massachusetts
Institute of
Technology

Founder



HARVARD
UNIVERSITY

Founder

Berkeley
UNIVERSITY OF CALIFORNIA

Contributor



THE UNIVERSITY
of TEXAS SYSTEM

Contributor



Australian
National
University

Contributor

BOSTON
UNIVERSITY



GEORGETOWN
UNIVERSITY

SORBONNE
UNIVERSITÉS

TU Delft



a place of mind
THE UNIVERSITY
OF BRITISH COLUMBIA

edX, the non-profit venture

Goal #1

Expand access to quality
education for all

We want: 1 billion students!



edX, the non-profit venture

Goal #2

Improve on-campus education

We have: 80 partners thus far



edX, the non-profit venture

Goal #3

Advance research in
online learning

We ask: “How can we make
online learning better?”



edx.org, the learning destination website

The screenshot displays the edX website interface. At the top, the edX logo is on the left, followed by navigation links: Courses, How It Works, Schools & Partners, and About. A search bar on the right contains the text "I want to learn about..." and a dropdown menu shows "brianalbot".

The main banner features a blue and purple geometric background. On the left, it says "Take great **online courses** from the world's **best universities**" with a pink "VIEW ALL COURSES" button. Below this, it links to "EdX partners top list of world's best universities. See the latest rankings and learn from the best! >>".

On the right of the banner is a featured course card for "HTML5 PART 1: HTML5 Coding Essentials and Best Practices" by W3C. The card includes a play button icon, a "VERIFIED" badge, and the start date "Current - October 5, 2015".

Below the banner is a blue section for "Introducing Global Freshman Academy" in partnership with Arizona State University. It includes the text "Earn credit for your freshman year on edX" and a "LEARN MORE" button.

The section "Our Most Popular Courses Starting Soon" features four course cards:

- HarvardX ER22.1x Justice**: A "VERIFIED" badge and a green checkmark icon. Status: "Current", "Starts: October 1, 2015".
- HKPolyUx EWA1.1.1x English at Work in Asia: Job Applications, CVs and Cover Letters**: A "VERIFIED" badge and a green checkmark icon. Status: "Current", "Starts: October 5, 2015".
- MITx 6.832x Underactuated Robotics**: A "VERIFIED" badge and a green checkmark icon. Status: "Current", "Starts: October 1, 2015".
- HarvardX SPU30x Super-Earths And Life**: A "VERIFIED" badge and a green checkmark icon. Status: "Starting Soon", "Starts: October 13, 2015".

Quick history

November 2011

Development
started

March 2012

The First MOOC

January 2013

20 MOOCs

500k students

June 2013

Open source

March 2014

160 MOOCs

2.3M students

September 2015

500 MOOCs

5M students

What is Open edX?

- Platform
- Project
- Community
- ~~non-profit organization~~
- ~~website~~

A Project to build a Platform with a Community!

UNIVERSITÉ TALAN

FIRST BUSINESS
MOOC

Пеликан

Neo
demia

إدراك
EDRAAK



MUDDX

MongoDB
UNIVERSITY

UCATx

croatopica

eduNEXT

COEd

Proiversity

GW | Online



xuetangX.com
学堂在线

FUN

Unow

UM5R

allthatedu

Stanford University

Уральский
федеральный
университет
имени первого Президента
России Б.Н. Ельцина

EO

EducateWorkforce
A resource for technical colleges.

metaStudio

UC3M
Digital

UPEX
EDUCATION VIRTUAL

McKinsey Academy

IONISX

校盾计划

CAMPUS DO MAR
KNOWLEDGE IN DEPTH

UPV [X]
Formación Online

libre

GACCO
The Japan mooc

ISEADx

pepper

POKI
Open Knowledge

MetaMooC

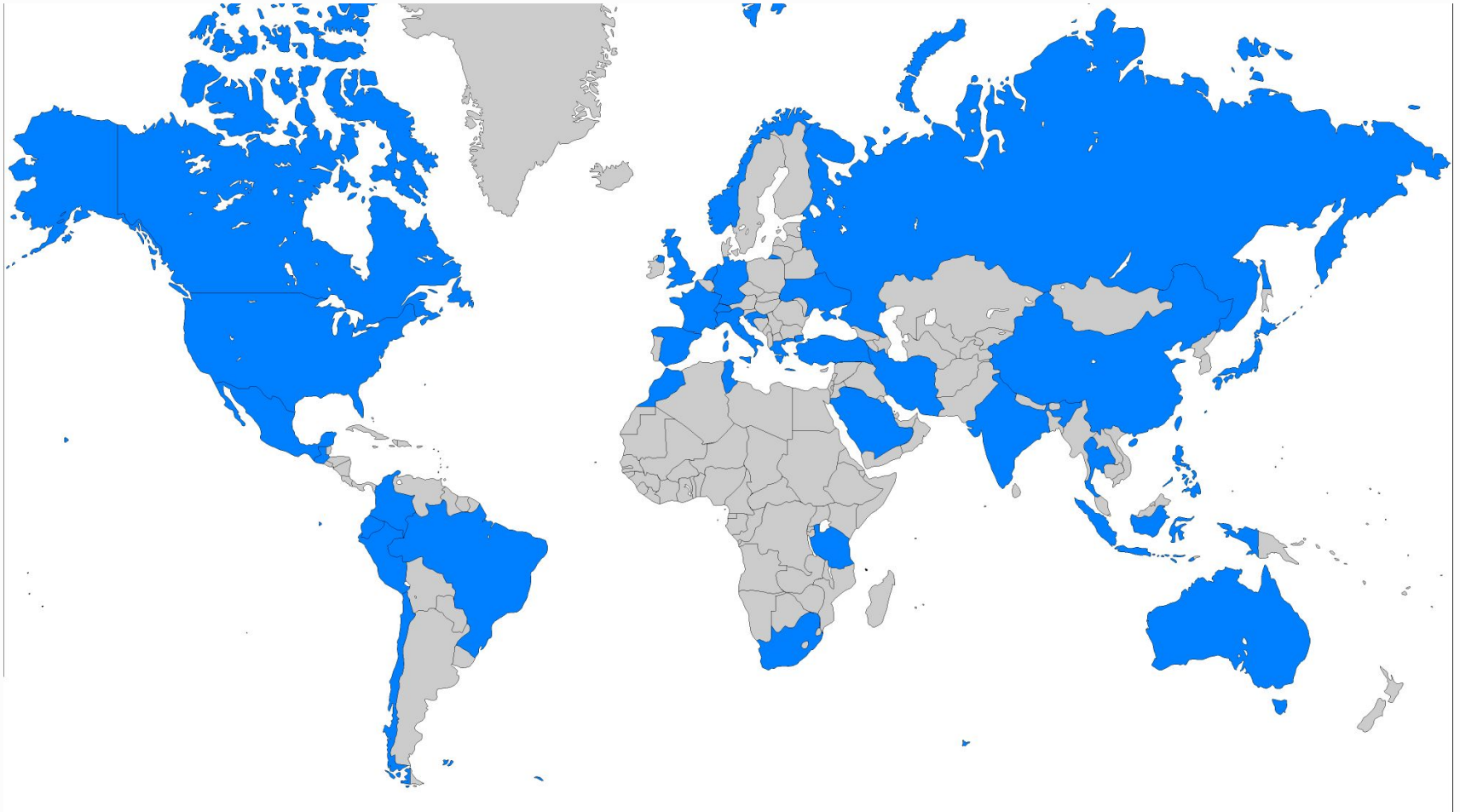
Seneca

moocit

MOOC francetvéducation

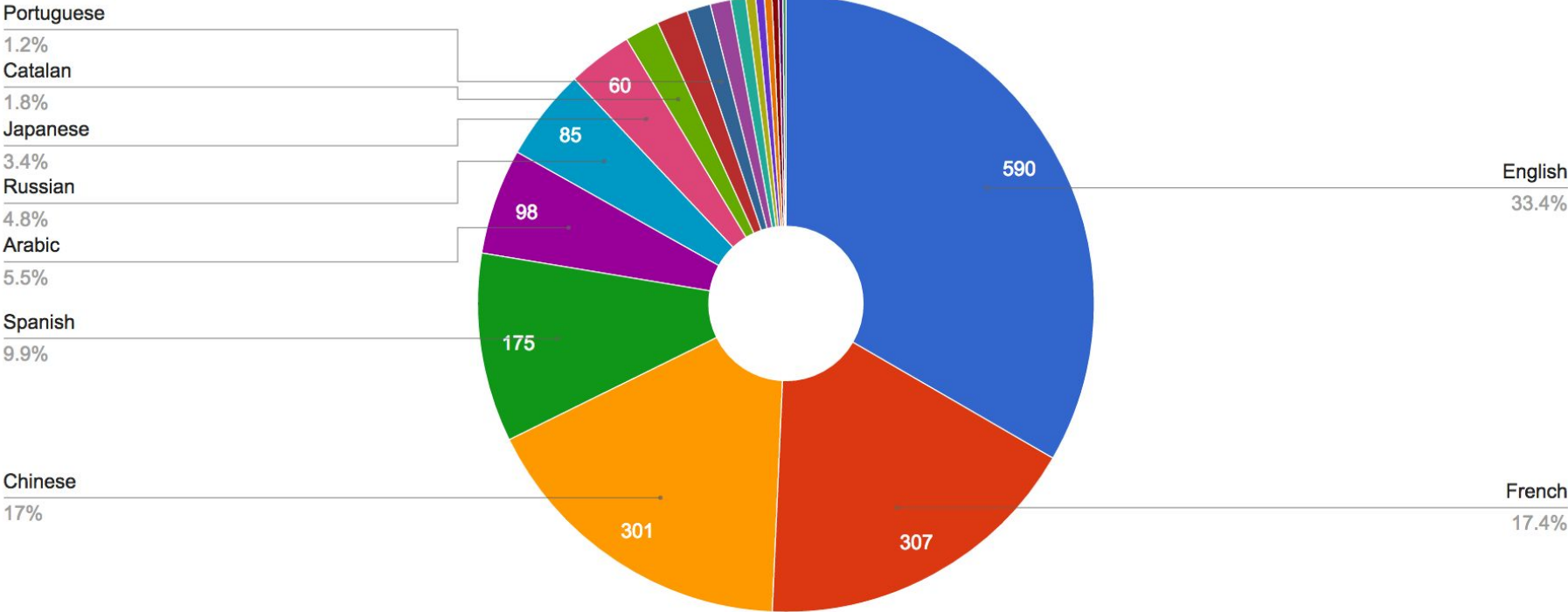
PROMETHEUS

Open edX sites, by countries



Open edX courses, by primary language

Courses by primary language on Open edX instances



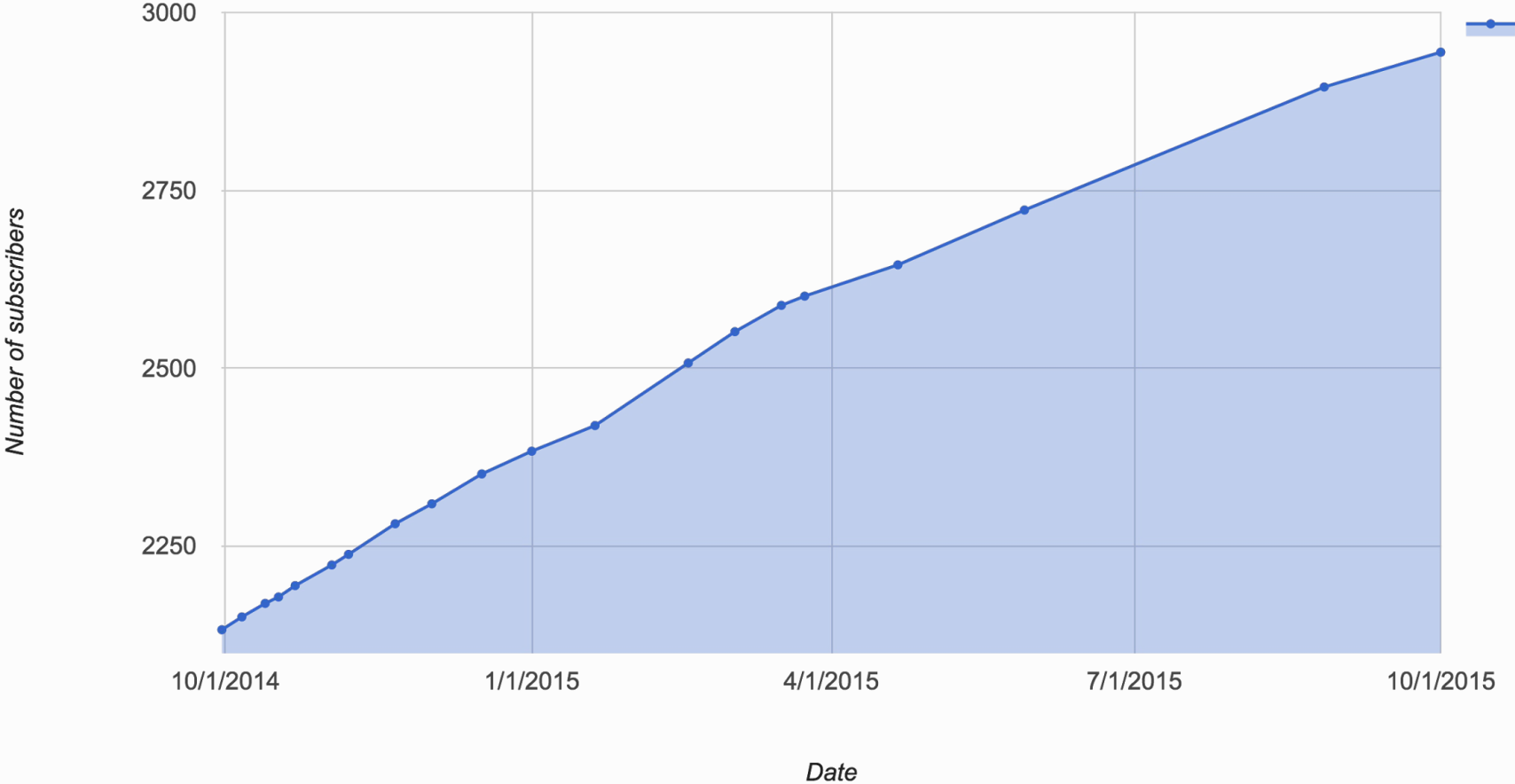
The impact of Open edX

- >150 sites
running Open edX
- >1500 courses
- 18 languages
- 40 countries

a look back
We had a good year



Community growth



edx-code mailing list subscribers

Key contributions

- LTI (Harvard +)
- SSO (OpenCraft +)
- OLI Hinting (OLI/Stanford)
- Staff graded assignments (MIT)
- Polling XBlock (McKinsey Academy)
- And many more, with more on the way...

[edx-platform Open Source Pull Requests](#)

edX as an LTI tool provider (Harvard, UBC, +)

The screenshot displays the Canvas LMS interface. At the top, there is a navigation bar with 'Courses', 'Grades', and 'Calendar' menus, and 'Inbox', 'Settings', 'Logout', and 'Help' links. The 'canvas' logo is in the top right. A left sidebar lists navigation options: Home, Announcements, Assignments, Discussions, Grades, People, Pages, Files, Syllabus, Outcomes, Quizzes, Modules (highlighted), Conferences, Collaborations, Chat, Attendance, and Settings. The main content area shows a breadcrumb trail: 'DEMOX > Modules > Example Week 1: Getting Started'. Below this is the title 'SCIENCE AND COOKING CHEF PROFILE: JOSÉ ANDRÉS'. A video player is embedded, showing a chef in a kitchen. The video player includes a play button, a progress bar at 0:00 / 4:17, and controls for volume, full screen, and closed captions. To the right of the video player is a text area containing the following text: [MUSIC PLAYING] JOSE ANDRES: Hello, people of Harvard, people of the world. My name is Jose Andres. I am a chef. You, I, we are at minibar. minibar is very much the heart of everything I do. I've been cooking since I was 14. I began working in kitchens in Barcelona, and especially in one of a. At the bottom right of the content area is a 'STAFF DEBUG INFO' button. The footer of the page has 'Previous' and 'Next' navigation links.

Third party auth using SAML & Shibboleth (OpenCraft +)

Sign in

Email

The email address you used to register with edX



Password

[Forgot password?](#)

Remember me

Sign in

or sign in with

 Facebook  Google

New to edX?

Create an account



Hinting & Feedback (OLI/Stanford)

MULTIPLE CHOICE WITH HINTS AND FEEDBACK (1 point possible)

Which of the following is a vegetable?

- apple
- pumpkin
- potato
- tomato **×**

Incorrect:

Many people mistakenly think a tomato is a vegetable. However, because a tomato is the fertilized ovary of a tomato plant and contains seeds, it is a fruit.

Check

Hint

Show Answer

We had a good year



let's meet 

The Engineering Team



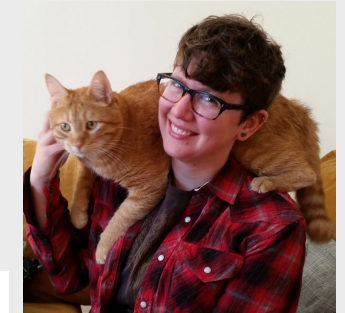
Who is this guy?

- Mark Haseltine, CTO of edX, Joined March 2015
- Leading the overall technology strategy and engineering efforts for Open edX and edX.org
- Prior to edX...
 - CTO, GoDaddy domain aftermarket products
 - CTO, NameMedia which GoDaddy partially acquired
 - Tech leadership at Oracle, AltaVista and Gerson Lehrman Group
- Big proponent of free online education for all and our Open edX initiative

mark@edx.org
[@MarkHaseltine](https://twitter.com/MarkHaseltine)

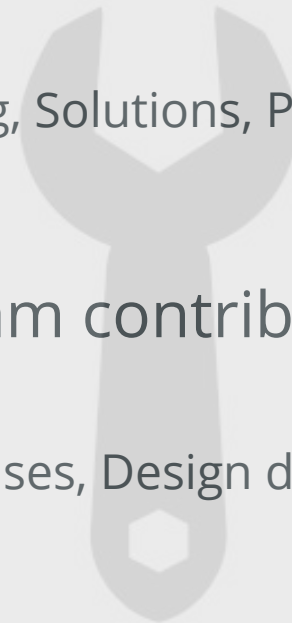
Open edX Engineering team

- **Joel Barciauskas** - Manager, joel@edx.org
 - Joined from Blue State Digital in July, worked with Obama 2012
 - Can't wait to meet all of you!
- **Ned Batchelder** - Architect, ned@edx.org
 - Our in-house Pythonista
 - Currently working on Django 1.8 upgrade
- **Sarina Canelake** - Engineer, sarina@edx.org
 - Your OSPR sherpa
 - Passionate about accessibility and internationalization
- **David (DB) Baumgold** - Engineer, db@edx.org
 - Developer and developer advocate
 - Your Open edX release master!
- **Molly de Blanc** - Community Mgr, molly@edx.org
 - Fierce advocate for all things free and open
 - Building a bigger and better community



edX Engineering

- Currently close to 80 full time employees
- Growing by 20% this year
 - 20 new hires in the past year
- Working on various aspects of the platform grouped by focus areas
 - T&L, Mobile, Analytics, eComm/edX.org, Solutions, Platform/Test, DevOps
- Everyone on the engineering team contributes to Open edX in some way
 - OSPR Review, Q&A/Mailing List Responses, Design discussions, Documentation, etc.



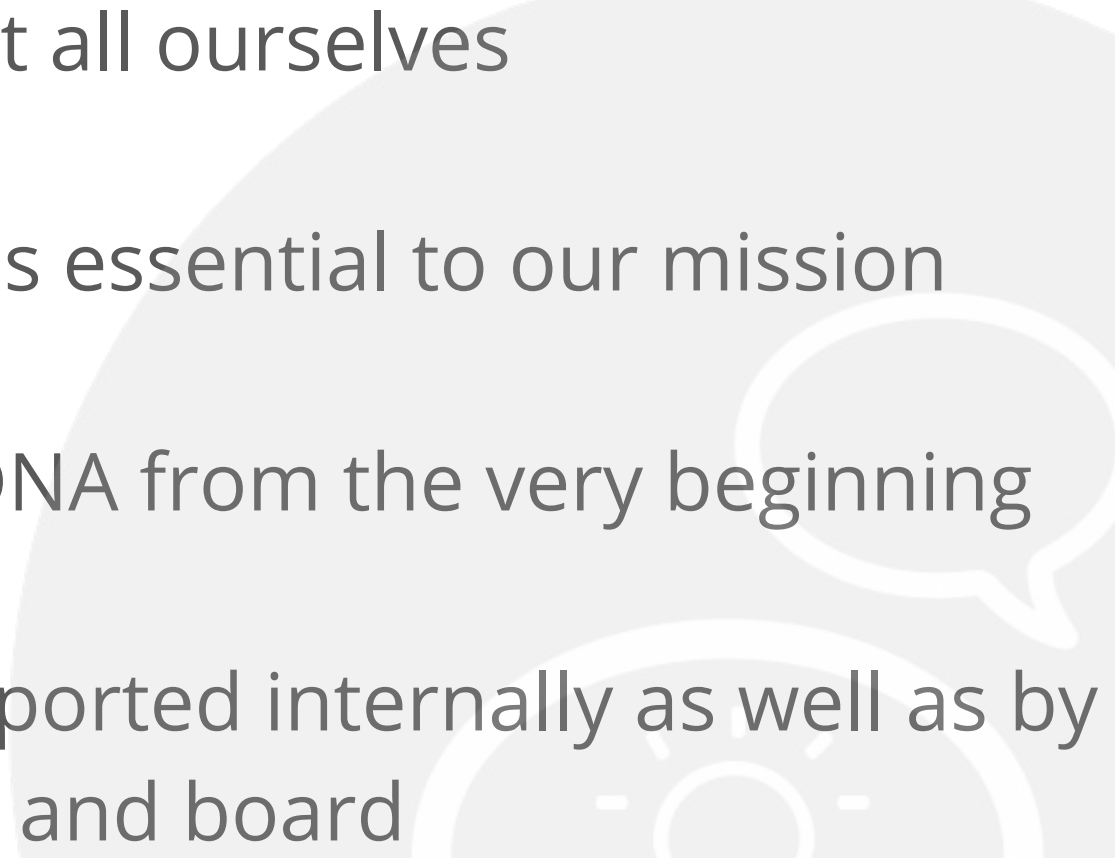
growing together

Commitment to community



edX's Commitment to Open Source

Why?

- We can't do it all ourselves
 - Community is essential to our mission
 - Part of our DNA from the very beginning
 - Strongly supported internally as well as by our partners and board
- 

Our Community Goals

- Growing the community
- Empowering the community
- Connecting the community



Growing the community

- Create a vibrant ecosystem
- Lower barrier to entry
- Balance complexity & scalability
- Get the word out



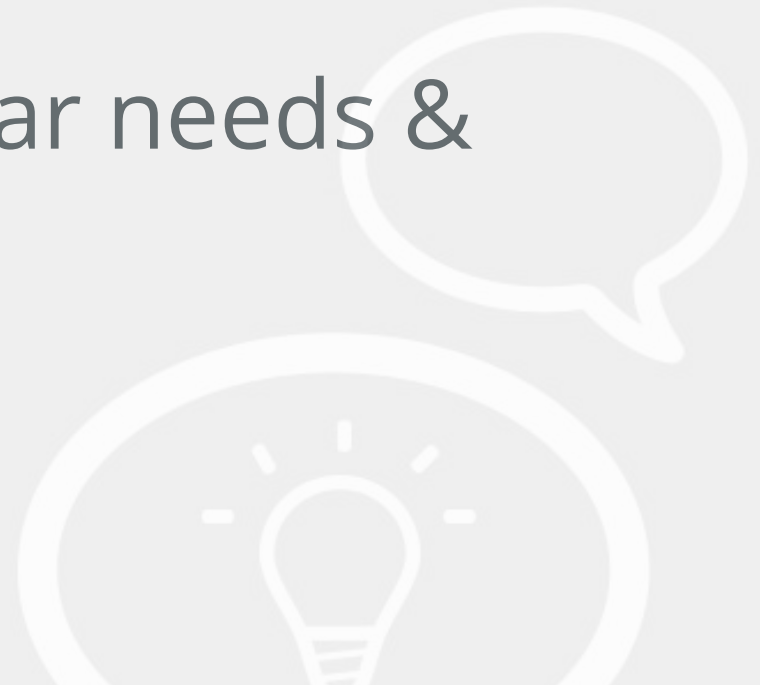
Empowering the community

- Enable contribution at all levels
- Simplify development environment with clear extension points
- Dedicate resources to merging!
- Grow community committers and architects



Connecting the community

- Launched the Open edX Portal
- Encourage self-organization & collaboration
- Connect over similar needs & interests

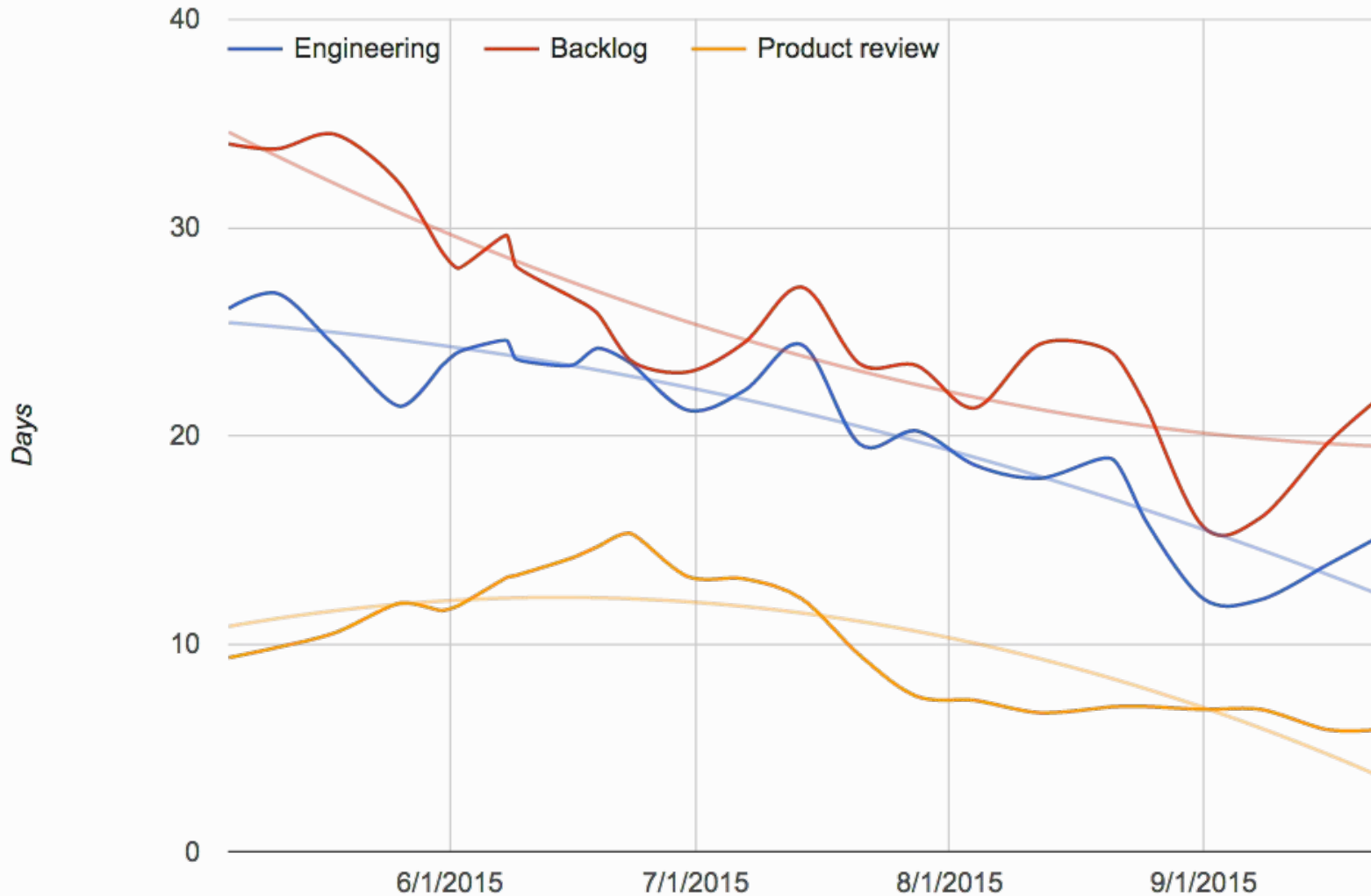


#winning

Good Things Are
Happening

We've been listening...

Time spent in edX queues



Open edX releases

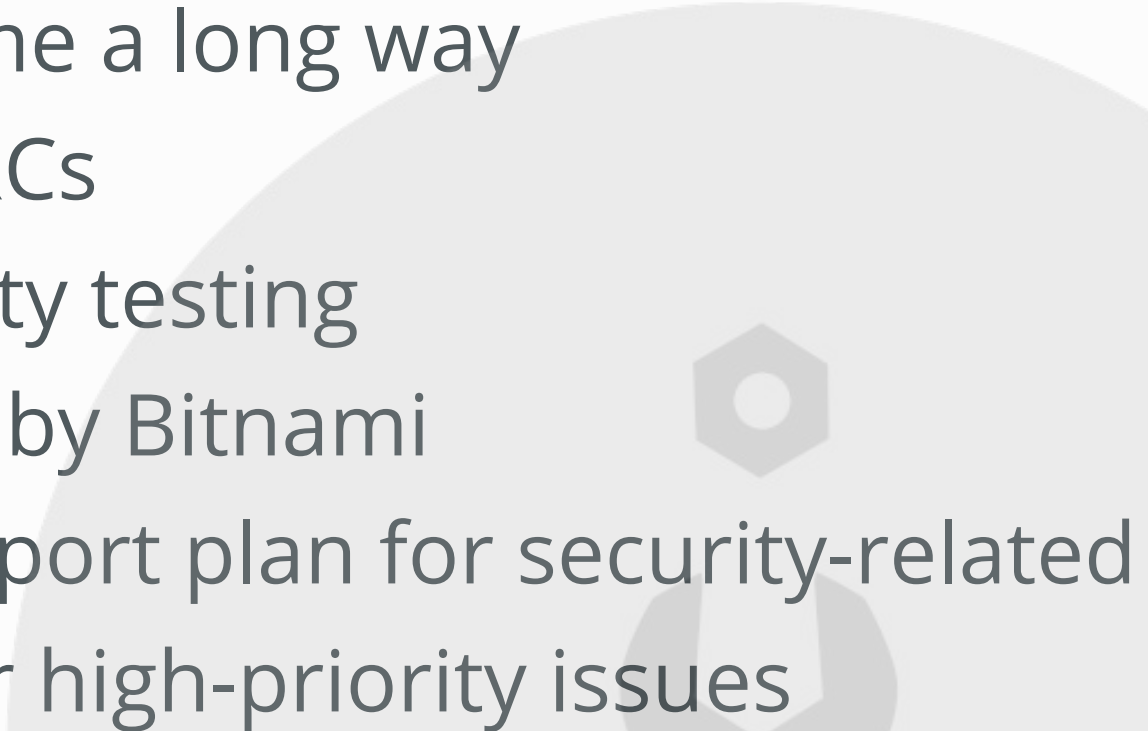
The background consists of a solid blue field. A large, semi-transparent blue circle is positioned in the lower right quadrant. Overlaid on this circle is a faint, dark blue silhouette of a wrench, oriented vertically with the head of the wrench pointing upwards.

Aspen & Birch

- MVP, little support
- Just a collection of tags from a single point in time



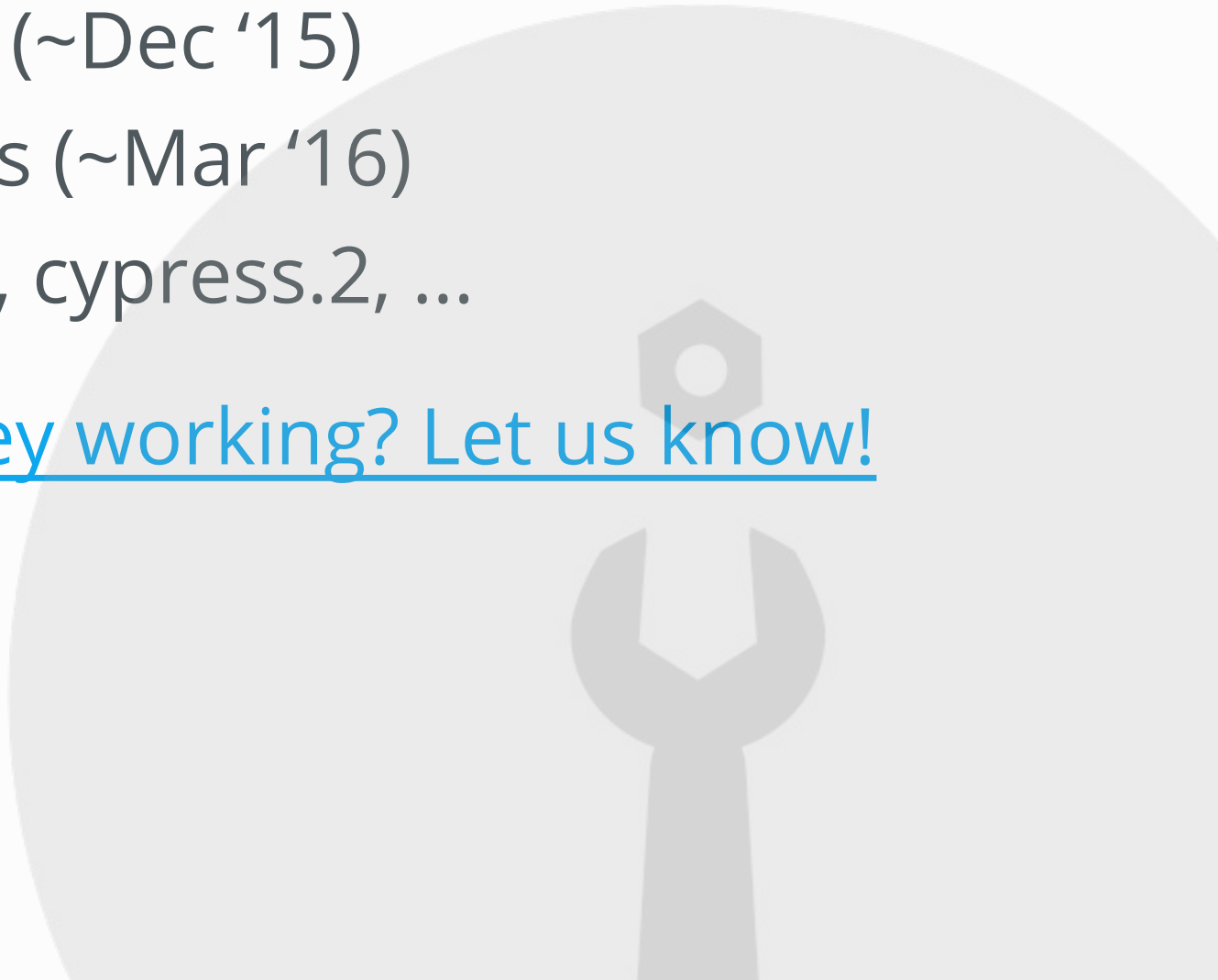
Cypress

- We've come a long way
 - Multiple RCs
 - Community testing
 - Packaged by Bitnami
 - Has a support plan for security-related and other high-priority issues
- 

More to come

- Dogwood (~Dec '15)
- Eucalyptus (~Mar '16)
- Cypress.1, cypress.2, ...

[How are they working? Let us know!](#)



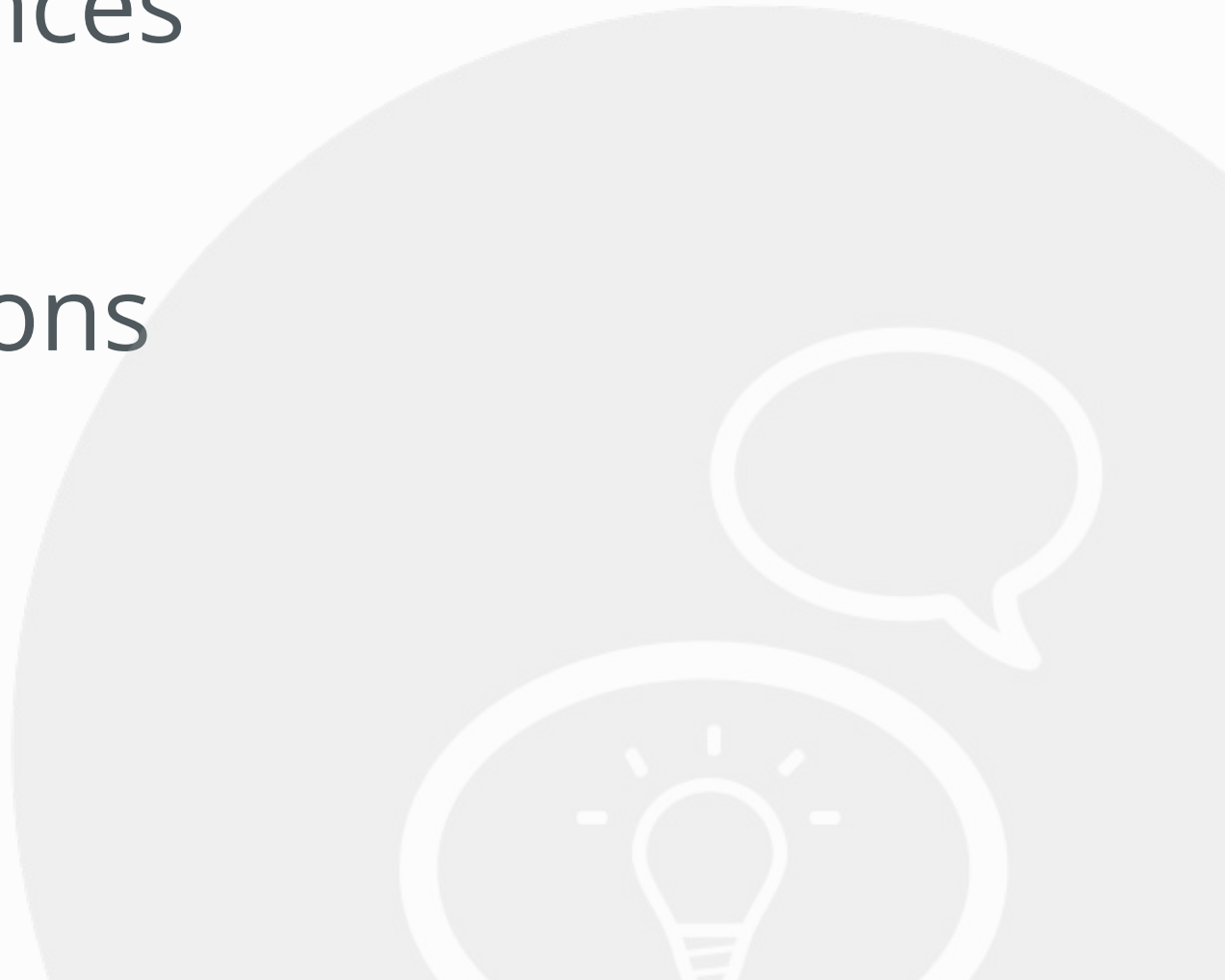
parsing the open tea leaves

What's Next?



Providing space to organize

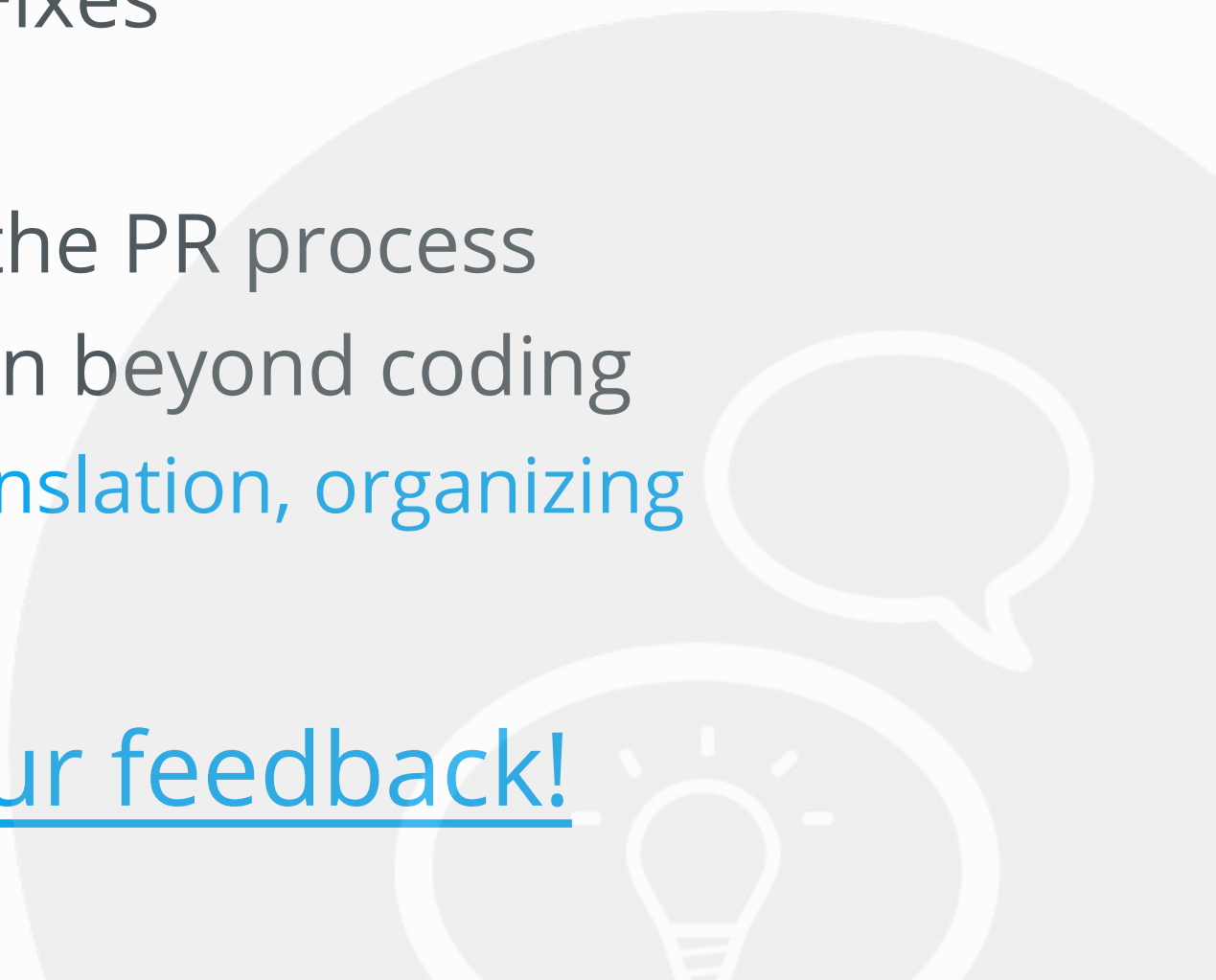
- Conferences
- Meetups
- Hackathons



Improving & increasing ways to contribute

- Features / Fixes
- Extensions
- Improving the PR process
- Contribution beyond coding
 - Docs, translation, organizing

[Give us your feedback!](#)



Architectural improvements

- A more modular system
 - Small, focused applications that work together, e.g. LMS/CMS split
- Pick and choose what you need
- Extension points - APIs, XBlocks
 - Mobile needs APIs, you benefit

Community / product roadmap

- We publish our roadmap!
 - <https://open.edx.org/features-roadmap/all>
- Dogwood
 - [Theming, Otto \(eComm\), Django 1.8](#)
- Eucalyptus
- Others - iterations on LTI; content reuse/conversion
- Adaptive Working Group
 - [Co-chaired by Beth and Furqan](#)
- Accessibility
- Watch the portal!



How can you help?

- Talk to us

Tell us what you are trying to achieve

- Get involved

Contribute documentation, translations (and of course code)

Answer questions on the mailing lists or on IRC

Share your ideas for new features or tools

- Tell your friends

Anyone doing education at scale should consider using Open edX

Larger, diverse community = Healthy community

Keep our adoption rates high

[We need your suggestions! Keep them coming.](#)

from all of us at edX

Thanks!

Conference Housekeeping

- Unconference
- Birds of a feather - sign up!
- Lots of meeting space
- Conference experts



Have Fun!