

Koha community Organization

KohaCon 2016, 31/05/2016 - Thessaloniki

Paul Poulain

- French
- Involved in Koha since 2002
- Release Manager for Koha 2.0, 2.2, 3.8 and 3.10
- Founder of BibLibre

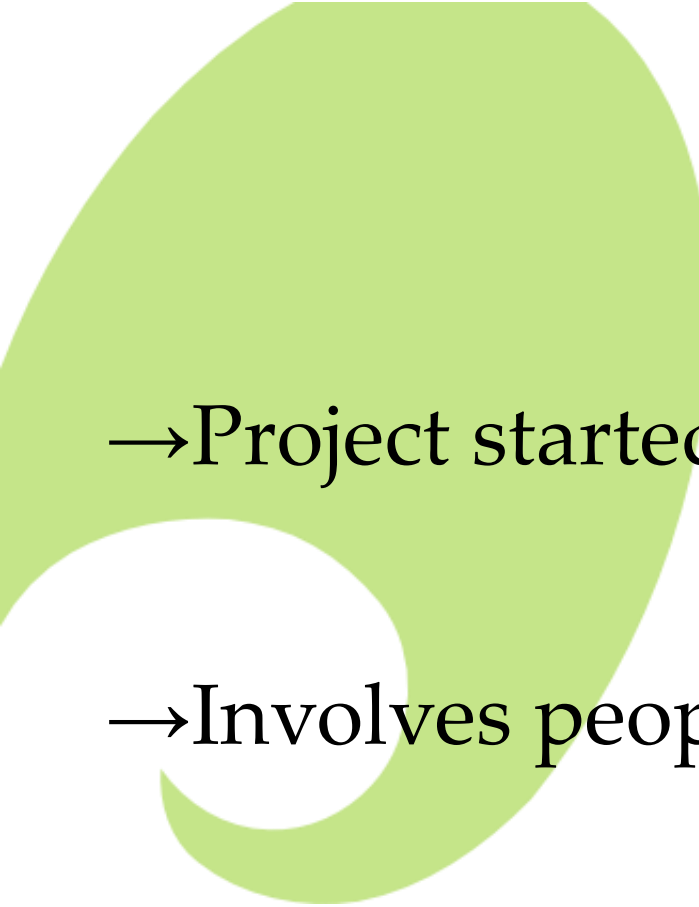
Jonathan Druart

- Belgian
- Involved in Koha since 2010
- Member of the QA Team since 3.8
- Worked at BibLibre from 2010 to 2015

Koha community organization- outline

- **Koha history**
- **2 different needs**
- **The importance of a community**
- **Community organization**
- **Versioning, who, the tools, the workflow**
- **Some numbers**
- **What's next?**

Reminder: Koha history



→Project started in 1999 in New Zealand

→Involves people from all around the world

2 different needs

Developers

- They want to do fun things
- They dislike to bother with constraints

Users

- They want a stable application that does not change everyday.
- They do not care about technical things, as long as the software works.

Developers and users are part of the Koha community and both can improve things

The importance of the community

When you choose an open source software, you adopt its community and the way of doing things

- First look for the features you want/need
- Then how the community is organized

Community organization – Who

The **Release Manager** is responsible of the next version : Brendan Gallagher (USA)

The **Quality Assurance (QA) Manager** and the **QA Team**:

- Katrin Fisher (Germany)
- Kyle Hall (USA)
- Jonathan Druart (France)

The **Release Maintainers** are responsible of the stable versions :

- 16.05: Frédéric Demians (France)

The **Documentation Manager** **Nicole Engard (USA)** Cormack (New Zealand)

Translation Manager:
Bernardo Gonzalez Kriegel (Argentina)

Community organization – Who

And others:

- Continuous integration infrastructure maintainer (a.k.a. Jenkins)
- Bug Wranglers
- Wiki Curators
- ?

If you want to add a new role, feel free to propose it!

Community organization - The tools

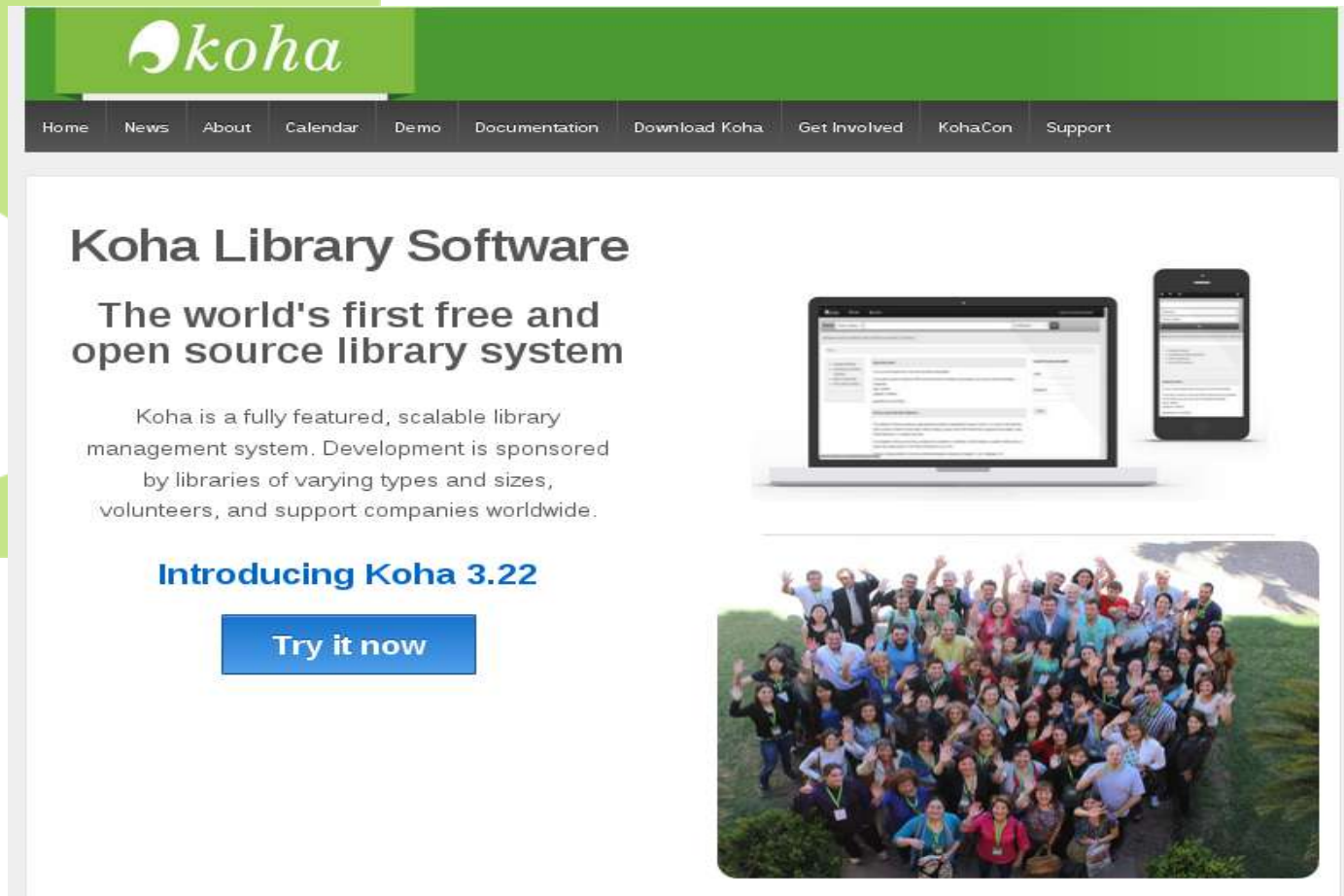


We need good tools to communicate and work together!

Community organization - The tools

Website of the Koha project koha-community.org

It's where you can get fresh news, download the software, find the documentation.

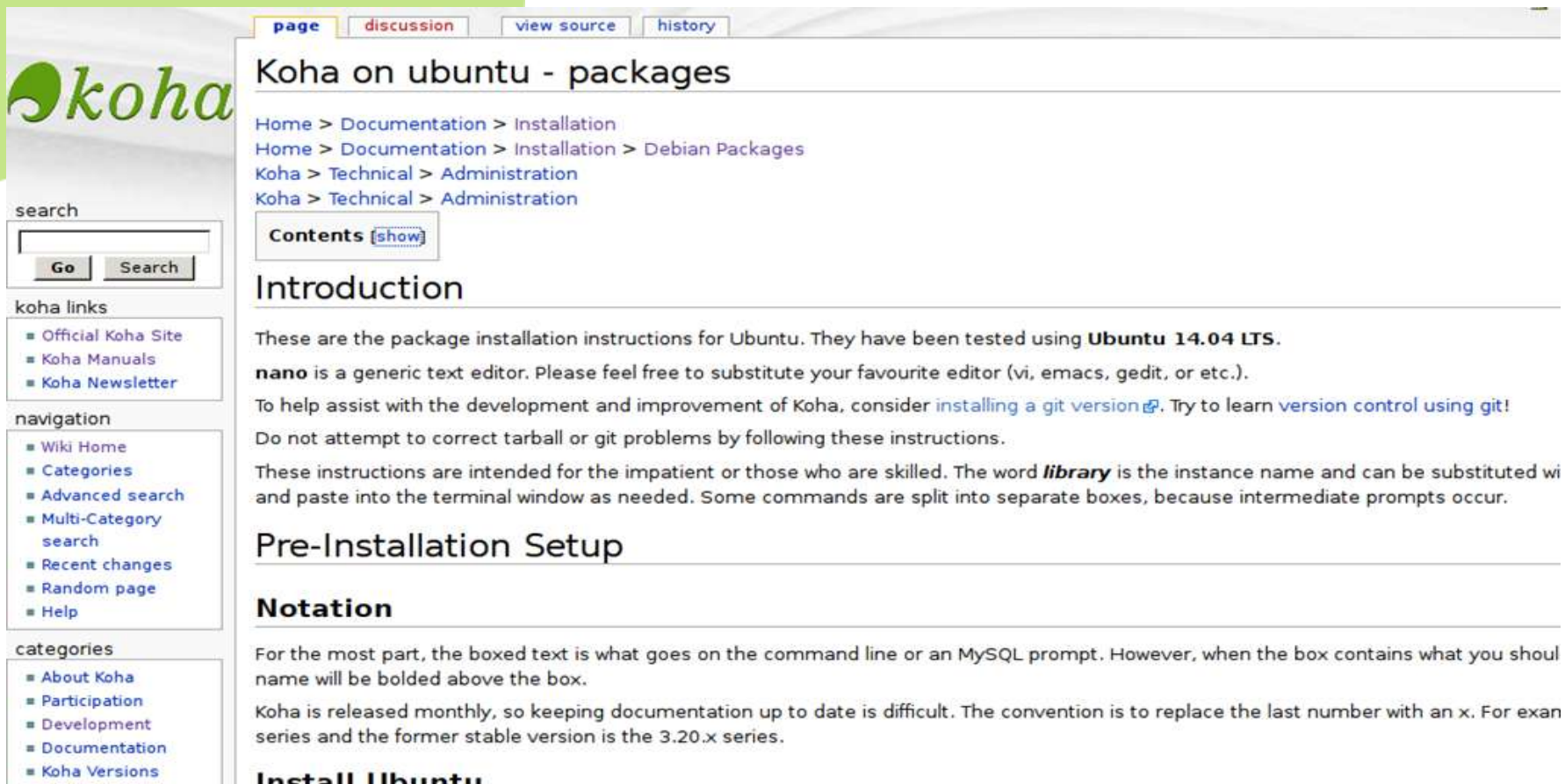


The image shows a screenshot of the Koha website homepage. At the top, there is a green header with the Koha logo (a stylized 'k' in a circle) and the word 'koha' in a white serif font. Below the header is a dark grey navigation bar with white text links: Home, News, About, Calendar, Demo, Documentation, Download Koha, Get Involved, KohaCon, and Support. The main content area has a white background. On the left, the heading 'Koha Library Software' is followed by the sub-heading 'The world's first free and open source library system'. Below this is a paragraph of text: 'Koha is a fully featured, scalable library management system. Development is sponsored by libraries of varying types and sizes, volunteers, and support companies worldwide.' To the right of this text is an image of a laptop and a smartphone, both displaying the Koha interface. Below the text and images is a blue button with the text 'Try it now'. At the bottom right of the main content area is a large group photo of many people, likely the Koha community, posing outdoors.

Community organization - The tools

The wiki wiki.koha-community.org

- Find a lot of useful information.
- Can be more for techies than for librarians, but it can be helpful for anybody.



The screenshot shows a web browser window displaying a page from the Koha wiki. The page title is "Koha on ubuntu - packages". The browser's address bar shows the URL "http://wiki.koha-community.org/wiki/Koha_on_ubuntu_packages". The page content includes a search box, a navigation menu, and the main text of the article. The navigation menu includes links for "koha links", "navigation", and "categories". The main text of the article starts with "Introduction" and "Pre-Installation Setup".

Koha on ubuntu - packages

Home > Documentation > Installation
Home > Documentation > Installation > Debian Packages
Koha > Technical > Administration
Koha > Technical > Administration

Contents [show]

Introduction

These are the package installation instructions for Ubuntu. They have been tested using **Ubuntu 14.04 LTS**.

nano is a generic text editor. Please feel free to substitute your favourite editor (vi, emacs, gedit, or etc.).

To help assist with the development and improvement of Koha, consider [installing a git version](#). Try to learn [version control using git!](#)

Do not attempt to correct tarball or git problems by following these instructions.

These instructions are intended for the impatient or those who are skilled. The word **library** is the instance name and can be substituted with and paste into the terminal window as needed. Some commands are split into separate boxes, because intermediate prompts occur.

Pre-Installation Setup

Notation

For the most part, the boxed text is what goes on the command line or an MySQL prompt. However, when the box contains what you should name will be bolded above the box.

Koha is released monthly, so keeping documentation up to date is difficult. The convention is to replace the last number with an x. For example, the current series and the former stable version is the 3.20.x series.

Install Ubuntu

Community organization - The tools

Mailing List koha-community.org/support/koha-mailing-lists

For both developers and users

Community organization - The tools

IRC – The chat we use irc.oftc.net

- To get an immediate answer to a given question.
- To take decisions (Election of the next release team, technical decisions, who will host the next KohaCon, etc.)

- B
Joi

```
20:28:03 <huginn> Voted on "Release Manager: Brendan Gallagher?" Results are
20:28:03 <huginn> yes (11): Colinc, bgkriegel_, davidnind, cait, pianohacker, Joubu, indradg, talljoy, edveal, thd, drojf
20:28:05 <cait> #agreed Release Manager: Brendan Gallagher
20:28:24 <cait> rangi: vote you in or wait?
20:28:41 <rangi> only wait if you think someone might volunteer
20:29:06 <cait> it's suddenly quiet in here :)
20:29:13 <cait> we are going to vote on module maintainers next
20:29:38 <rangi> i feel like thats an experiment that has failed
20:30:09 <cait> #startvote RMaints: Julian Maurice (3.22), Chris Cormack (16.05)? (yes,no,abstain)
20:30:09 <huginn> Begin voting on: RMaints: Julian Maurice (3.22), Chris Cormack (16.05)? Valid vote options are , yes, no, abstain, .
20:30:09 <huginn> Vote using '#vote OPTION'. Only your last vote counts.
20:30:34 <davidnind> #vote yes
20:30:35 <Colinc> #vote yes
20:30:38 <cait> #vote yes
20:30:39 <talljoy> #vote yes
20:30:42 <bgkriegel_> #vote yes
20:30:44 <edveal> #vote yes
20:30:45 <thd> At some future point, with a larger community module maintainers may become a viable experiment.
20:30:58 <drojf> #vote yes
20:31:02 <thd> #vote yes
20:31:22 <Joubu> we should ping fredericd to know if he is still up for RMaint 3.20
20:31:22 <bag> bhghhguhgbhhbyhbngbnhgubhhuhuhnbjjbbnhhnbjmbjmhugjhjujyuhjhhuujjhjjhghgvvrre
20:31:44 <gmcharlt> no, I don't think we can permit a cat to be a release maintainer
20:31:52 <gmcharlt> sorry, felines!
20:31:58 <bag> gtdfdgfdfdcfdfgdfgdhgrthklllkmkhjnnjgjhghjhjyutyutyutyuyuy77777huggjhhghgggytf
20:32:03 <thd> :)
20:32:03 <cait> ginny? :)
20:32:05 <bag> ah sorry that was Ginny
20:32:16 <cait> ok, ending vote in a moment
20:32:16 <drojf> CAT SHOULD MAINATIN EVERYTING!
20:32:17 <bgkriegel_> :)
20:32:24 <drojf> sorry, that was the cat from outside
20:32:40 <cait> #endvote
20:32:40 <huginn> Voted on "RMaints: Julian Maurice (3.22), Chris Cormack (16.05)?" Results are
20:32:40 <huginn> yes (8): Colinc, bgkriegel_, davidnind, cait, edveal, talljoy, thd, drojf
20:32:45 <cait> #agreed RMaints: Julian Maurice (3.22), Chris Cormack (16.05)
20:33:01 <cait> i typoed earlier - i think we won't have module maintainers for 16.11
20:33:09 <talljoy> cats++
20:33:10 <cait> so moving on to translation manager
20:33:17 <cait> bgkriegel thx for volunteering again!
20:33:24 <drojf> bgkriegel++
20:33:29 <bgkriegel_> :)
20:33:40 <cait> #startvote Translation Manager: Bernardo Gonzalez Kriegel? (yes,no,abstain)
```

Community organization - The tools

The bug tracker bugs.koha-community.org

The cave of developers (that's what people think!). It contains all what's happening with the Koha code. It's not only for bugs, it's also for features & enhancements.

Bugzilla - Bug List: Needs Signoff

Home | New | Browse | Search | Search [?] | Reports | Preferences | Help | Log out jonathan.druart@bugs.koha-community.org

Mon May 23 2016 12:28:38 UTC

[Hide Search Description](#)

Status: Needs Signoff

148 bugs found.

ID ▼	Product	Comp	Assignee	Status	Summary	Changed ▼	Sev ▲
16565	Koha	Architec	jonathan.druart@bugs.koha-c...	Need	additional_fields and additional_field_values are not dropped in kohastructure.sql	11:21:56	nor
16562	Koha	I18N/L10	koha-bugs@lists.koha-commun...	Need	Translatability: Issue in opac-user.tt (separated word 'item')	09:49:53	tri
16563	Koha	I18N/L10	koha-bugs@lists.koha-commun...	Need	Translatability: Issues in opac-account.tt (sentence splitting)	09:29:34	tri
16502	Koha	Architec	m.de.rooy@rijksmuseum.nl	Need	Table koha_plugin_com_bywatersolutions_kitchensink_mytable not always dropped after running Plugin.t	07:09:51	nor
10662	Koha	Web serv	dcook@prosentient.com.au	Need	Build OAI-PMH Harvesting Client	03:01:07	new
16376	Koha	Circulat	koha-bugs@lists.koha-commun...	Need	Koha::Calendar->is_holiday_date truncation creates fatal errors for TZ America/Santiago	02:40:16	cri
16529	Koha	Template	oleonard@myacpl.org	Need	Clean up and improve upload template	Sat 00:08	nor
16556	Koha	Architec	olli-antti.kivilahti@jns.fi	Need	KohaToMarcMapped columns sharing same field with biblio(item)number are removed.	Fri 14:46	maj
14874	Koha	Staff Cl	nick@bywatersolutions.com	Need	Add ability to search for patrons by date of birth from checkout and patron quick searches	Fri 13:52	enh
13321	Koha	Acquisit	jonathan.druart@bugs.koha-c...	Need	Tax and prices calculation need to be fixed	Fri 12:28	enh
16552	Koha	OPAC	jonathan.druart@bugs.koha-c...	Need	Add the ability to change the default holdings sort	Fri 08:31	enh
16557	Koha	Template	oleonard@myacpl.org	Need	Remove the use of "onclick" from several include files	Thu 14:59	enh

Community organization - The tools

The Dashboard dashboard.koha-community.org

It's the website summarizing who is doing what and what has been done recently.



Last 5 sign offs

- Eivind Skjævre - 18527 - Sticky due date calendar unexpected behaviour
- Jonathan Druart - 18581 - Regression caused by 15877 - bib_dependent /Barcode1 deletes all items from a DB
- Nick Clemons - 15870 - C4-Barcodes: Nyyymino incorrectly calculates next and should warn when no barcode present
- Jonathan Druart - 13688 - Web installer fails to load sample data on MySQL 5.6+
- Nick Clemons - 16539 - Koha.Cache is incorrectly caching single holidays

New Developers

- Rami Mäyrä - Provencher
- Genevieve Plankin
- Lari Tarkkula
- Marlin Persson
- Jounas Hyvärilä

Signoffs - May

- Marc Véron - 23
- Bernardo Gonzalez Kiegel - 18
- Owen Leonard - 12
- Tomás Cohen Arazi - 8
- Chris Cormack - 8
- Jonathan Druart - 5
- Marcel de Rooij - 4

Needs Signoff

- 10 Oldest bugs
- 11122 - publisher code and publication year not linked in acq orders
 - 11360 - Disable barcode field and submission when a hold is found
 - 12178 - Serial claims: exporting label issuers with the CSV profile doesn't work
 - 14005 - The description on pay/intrac of individual file is wrong
 - 15038 - Data Tables Warning: Requested unknown parameter from spaceDetail
 - 16449 - unisarc_field_AXX raises a warning
 - 11592 - opacDetail script to do not respect MARC tag visibility
 - 16468 - Adding patrons to a patron card label batch requires 'posting' permission
 - 16465 - OPAC discharge page has no title tag
 - 11490 - MaxItemsPerBatch should be split in two new prefs

Bug activity

2016-05-09: 81 changes
 2016-05-21: 33 changes
 2016-05-22: 38 changes

Passed QA - May

- Jonathan Druart - 44
- Kakin Fischer - 25
- Marcel de Rooij - 9
- Tomás Cohen Arazi - 8
- Kyle M Hall - 2
- Jesse Weaver - 1
- Total - 87

Needs QA

- 10 Oldest bugs
- 15008 - Need to distinguish client from user login result
 - 14599 - Item type is not taken into account by C4-Circulation-AddPatron
 - 15516 - Allow to reserve not available items from a group of files
 - 15895 - Add Koha::Account module, use Koha::Account::pay internally for recordpayment!
 - 18903 - Remove use of recordpayment in paycollect.pl
 - 13706 - Move indexation subs in C4-Debrades
 - 16034 - Integration with OneDrive Patron API
 - 16211 - Allow to select hold item type when using API
 - 16009 - noisy "bib" warning when new file is moved in another path
 - 14810 - Add ability to place article request in Koha

Bug statuses

- Needs Signoff - 147 - 24 bugs
- Signed Off - 56 - 17 bugs
- Passed QA - 25 - 17 bugs
- Pushed by MMS - 7 - 7 bugs
- Failed QA - 251 - 18
- Patch Done / apply - 14
- In Discussion - 200

Failed QA - May

- Jonathan Druart - 10
- Owen Leonard - 8
- Kakin Fischer - 4
- Bernardo Gonzalez Kiegel - 1
- Nick Clemons - 1
- Total - 24

Koha release date

Happy release day!

Random Bug

15848 creator_batches table uses item_number instead of itemnumber

Random Quote

"Warning: You're not a real hardcore cataloger unless you catalog with hide_marc 'and' advancedMARCeditor enabled. http://www.ccs.uconn.edu/~7q1/Wolke"

New features recently pushed

- 16470 - Update MARC21 ex-ES keywords to Update 22 (April 2016) - 2016-05-16 17:57:35
- 16480 - Update MARC21 keywords to Update No. 22 (April 2016) - 2016-05-16 17:56:52
- 16352 - Update German web installer sample files for 18.05 - 2016-05-16 17:48:38
- 16388 - Replace the use of "indid" from patron card creator templates - 2016-05-06 04:23:33
- 16438 - Use Font Awesome icons in batch templates - 2016-05-05 19:50:21

Build statuses

Master - **Build** **stable**
 3.22.x - **Build** **testing**
 3.20.x - **Build** **testing**
 3.18.x - **Build** **testing**
 Docs Master - **Build** **testing**

Pushed - May

- János Maurice - 60
- Kyle M Hall - 44
- Brendan Gallagher - 20
- Jesse Weaver - 5
- Chris Cormack - 1
- Total - 130

Community organization - The tools

The translation website translate.koha-community.org





























Dari (Persian dialect)		
English (New Zealand)		2016-05-22 08:31 (chrisc)
English (United Kingdom)		2016-03-24 09:17 (jon)
English (US Academic)		
Esperanto		2016-05-17 19:18 (BruceCrisp)
Faroese		2016-04-06 22:04 (InfoOrg)
Filipino		2015-10-09 06:18 (manny)
Finnish		2016-03-01 06:08 (paivikn)
French		2016-05-22 06:52 (mveron)
French (Canada)		2016-05-20 15:47 (mbv)
Galician		2014-05-27 11:10 (mbouzada)
Georgian		2015-05-01 12:58 (shakogele)
German		2016-05-21 06:07 (kfischer)
German (Switzerland)		2016-05-21 05:48 (mveron)
Greek		2016-05-21 21:16 (kyr.stefanidis)
Hebrew		

 *Translated*
 *Needs work*
 *Untranslated*

Community organization - The tools

Jenkins, the continuous integration server jenkins.koha-community.org

Every time something is changed on Koha, Jenkins runs thousands of automated tests to check that nothing has been broken

		Koha_3.20.x_U14	25 days - #114	N/A	48 min	Ubuntu_14_04	N/A
		Koha_3.22.x_D8	5 days 12 hr - #71	24 days - #60	1 hr 52 min	Debian_8	Apr 28, 2016 12:57:09 PM (60)
		Koha_3.22.x_D8_MariaDB10.0	5 days 13 hr - #56	24 days - #42	1 hr 20 min	Debian_8_MariaDB_10.0	Apr 28, 2016 1:05:10 PM (42)
		Koha_3.22.x_U14	5 days 12 hr - #60	1 mo 0 days - #43	2 hr 0 min	Ubuntu_14_04	Apr 22, 2016 11:46:09 AM (43)
		Koha_Docs	4 mo 8 days - #876	N/A	2 min 13 sec	Bernardo	N/A
		Koha_Docs_3.14.x	7 mo 23 days - #89	N/A	9.2 sec	Bernardo	N/A
		Koha_Docs_3.16.x	6 mo 21 days - #41	N/A	15 sec	Bernardo	N/A
		Koha_Docs_3.18.x	4 mo 8 days - #26	N/A	10 sec	Bernardo	N/A
		Koha_Docs_3.20.x	4 mo 8 days - #11	N/A	2 min 13 sec	Bernardo	N/A
		Koha_Master_D6	1 yr 7 mo - #177	1 yr 2 mo - #303	48 min		Mar 19, 2015 2:02:23 AM (303)
		Koha_Master_D7	26 days - #702	6 days 2 hr - #776	1 hr 38 min	Debian_7	May 16, 2016 7:58:06 PM (776)
		Koha_Master_D8	6 days 1 hr - #363	23 days - #341	2 hr 5 min	Debian_8	Apr 29, 2016 8:16:29 PM (341)
		Koha_Master_D8_MariaDB10.0	6 days 1 hr - #283	N/A	1 hr 22 min	Debian_8_MariaDB_10.0	N/A
		Koha_Master_U14	6 days 0 hr - #701	N/A	48 min	Ubuntu_14_04	N/A

Community organization - The workflow

How things are changed in the Koha code is defined by a workflow

- **Vocabulary : what is a “patch” ?**
 - **bunch of source code that will have to be “applied” on Koha.**
 - **fix a bug or add a feature**
 - **only a few lines or many files**

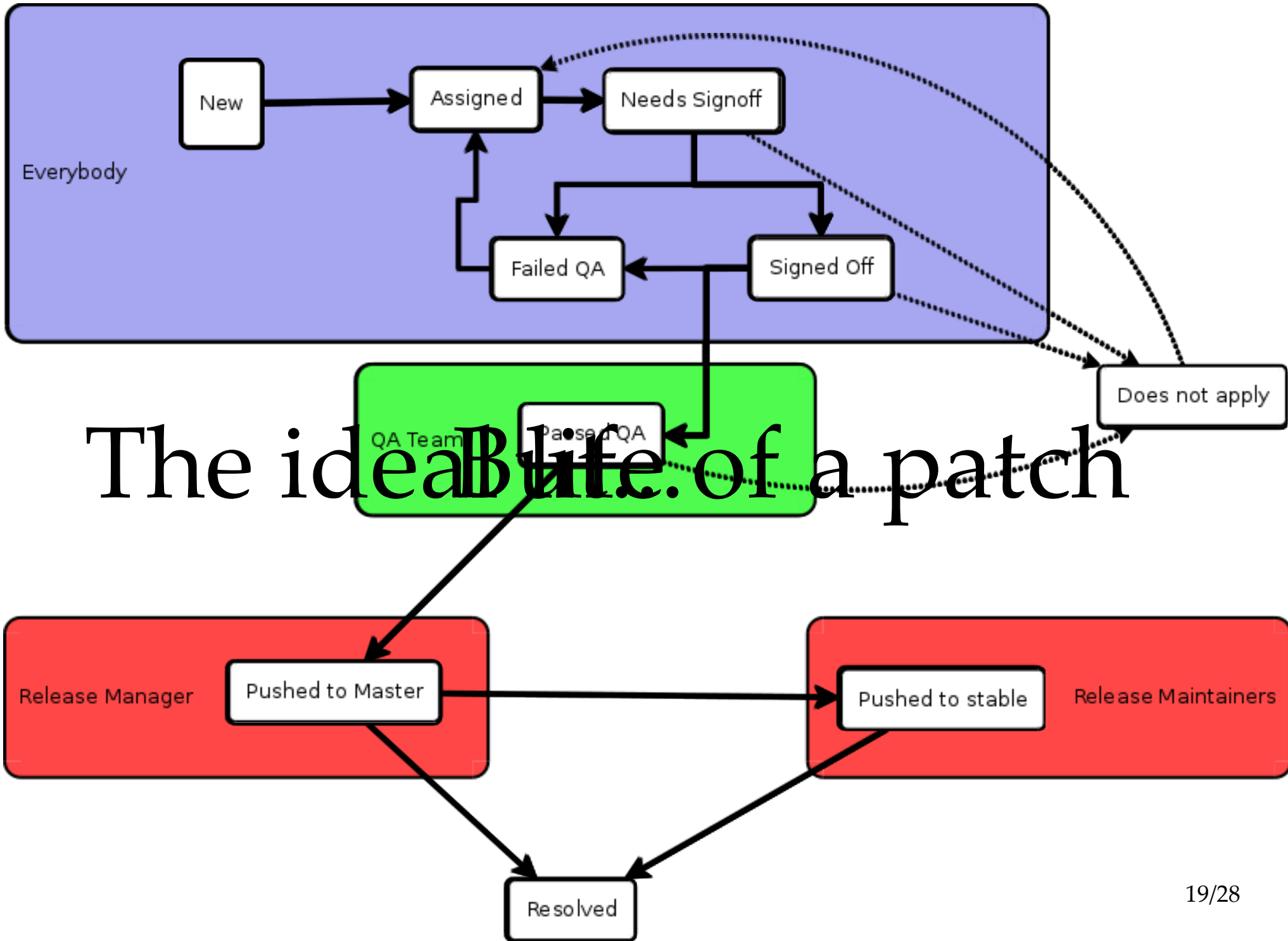
Community organization - The workflow

I've a patch to submit : how can I do that ?

Question to ask yourself before submitting:

→ Is the patch relevant for somebody else?

→ Think about various situations (languages, MARC flavors, sysprefs combinations, etc.)



The ideal life of a patch

Community organization - The workflow

- **Your patch will always be welcomed, but be ready to**
 - **get feedback**
 - **work on it more than expected**
- **You'll always be encouraged**
- **You'll learn many things, and your second patch will be easier**
- **On the long term it's a major guarantee for you**

Community organization - The workflow

The 3 major difficulties:

→ Time

It can take time to have a patch pushed, from less than 24 hours to 2 (more?) years. Usually it's about 3 months.

→ Inactivity

If no-one seems to take care of your patch, try to convince us it's important for us as it's for you!

Community organization - Versioning

- From version 1 to version 3.2 => **feature-based releases**
- → The community decides what will be in the next version
- + you know what you will have
- - delayed releases (more than 1 year for 3.2)

- Since 3.2 => **Time-based releases**
- → Major release every 6 months, independently from what it contains

Community organization – Versioning

Note about ~~3.24~~ 16.05

The community decided to use a time-based versioning

The version after 3.22 is 16.05.

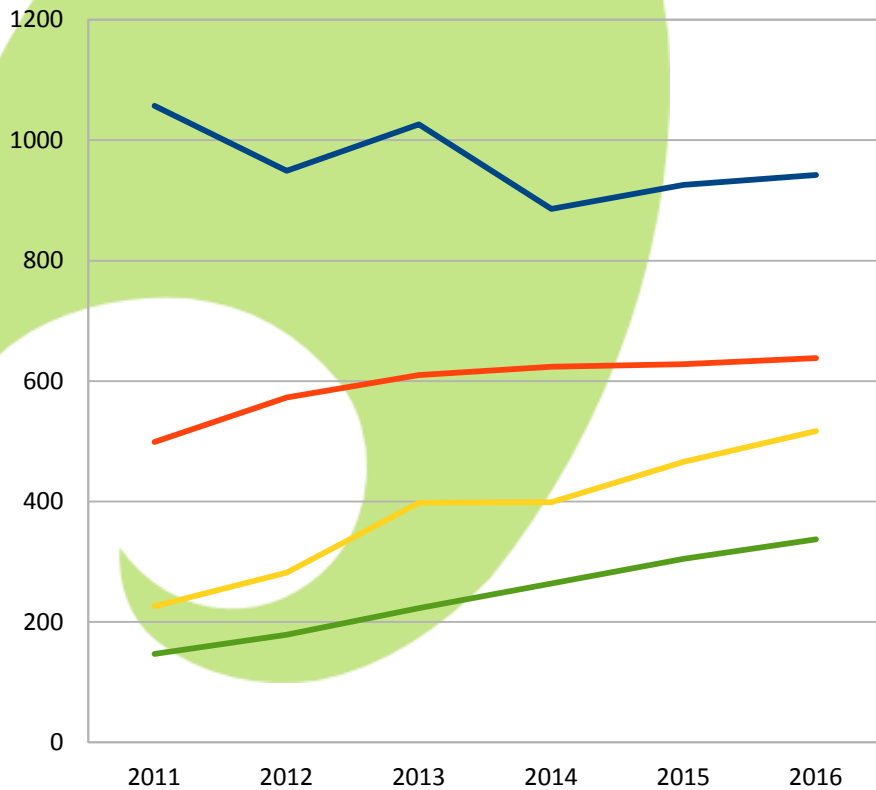
+ You will know easily how old is the version you are using

- We will never have a Koha 3.42 :)

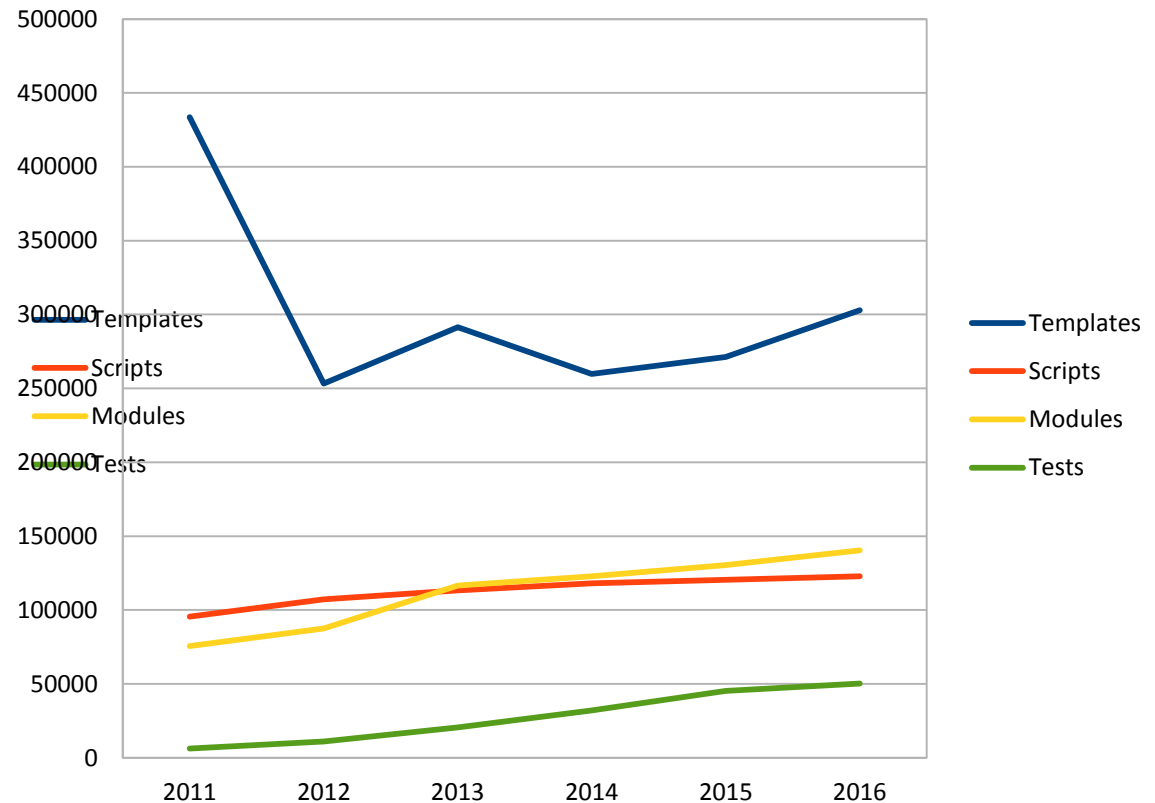
Some numbers

Amount of code

Evolution of the number of files



Evolution of the numbers of lines



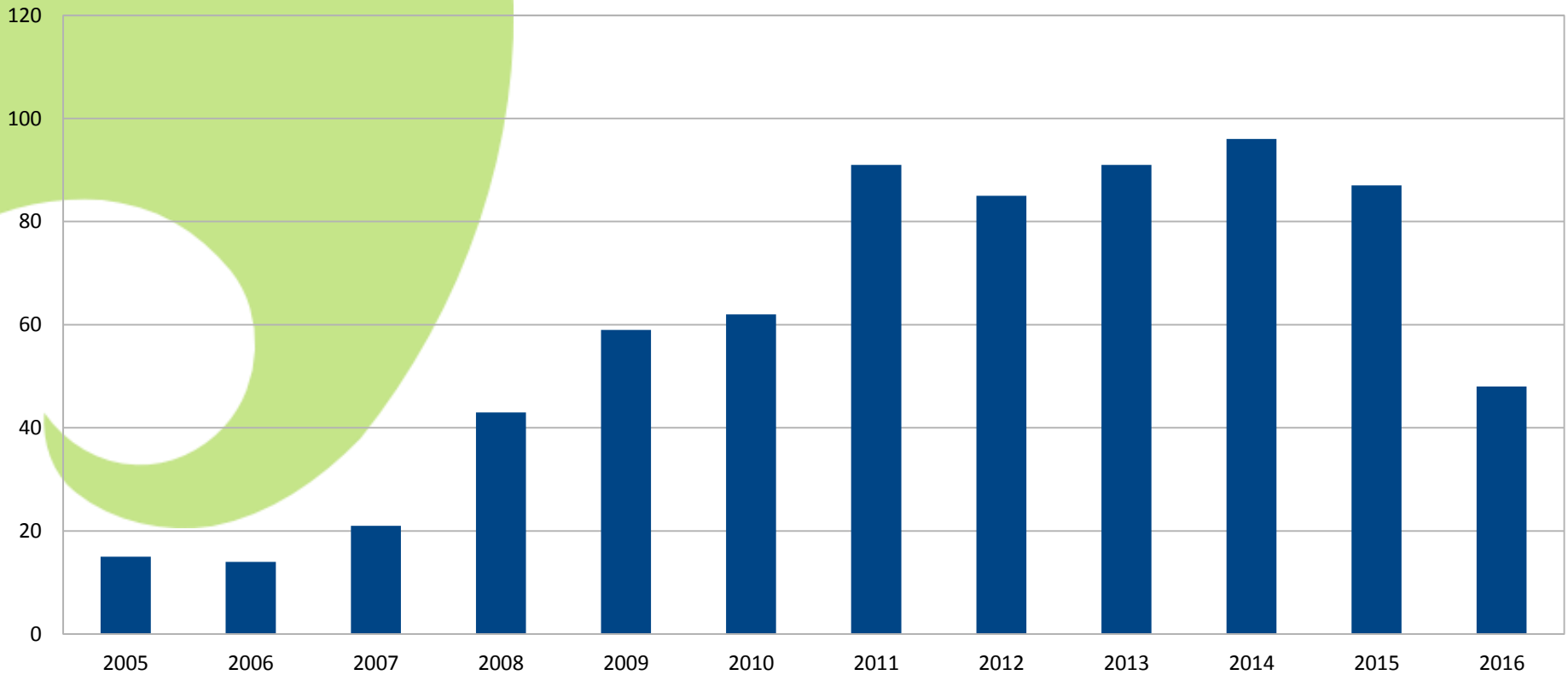
Total of 2.465 files (templates, scripts, modules, tests) for 616.501 lines

Super total of 5.667 files (sample sql, po files, images, etc.) for 6.702.251 lines

Some numbers

~300 different authors

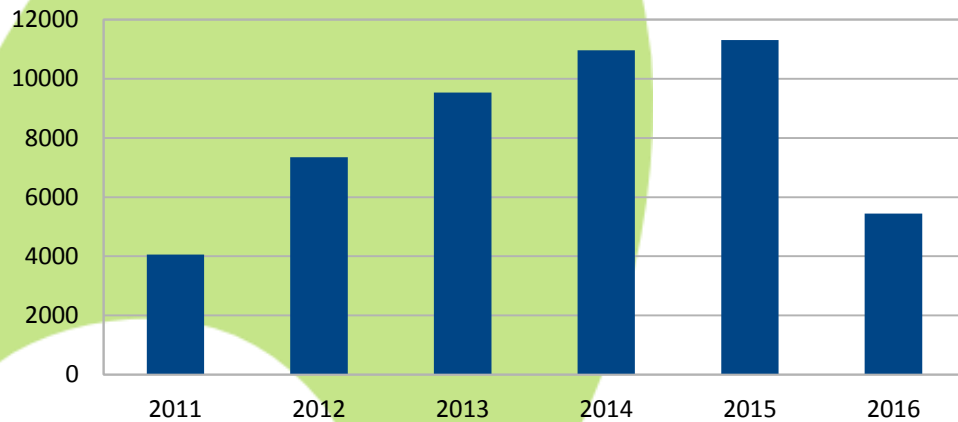
Number of authors



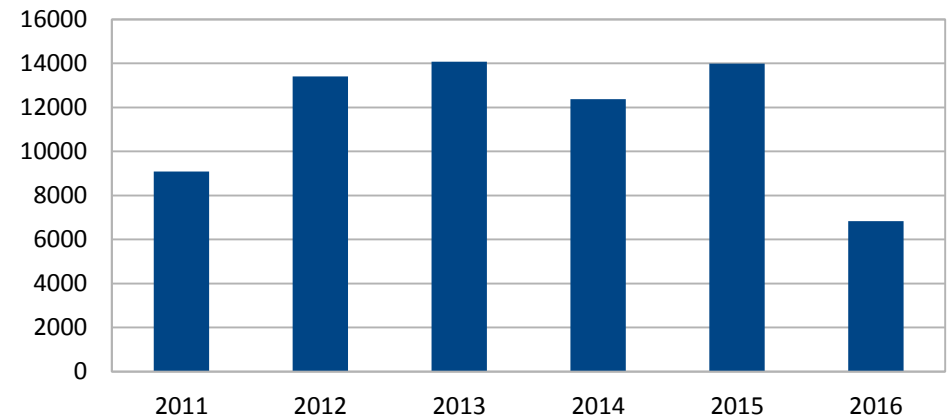
Some numbers

Bug tracker activity

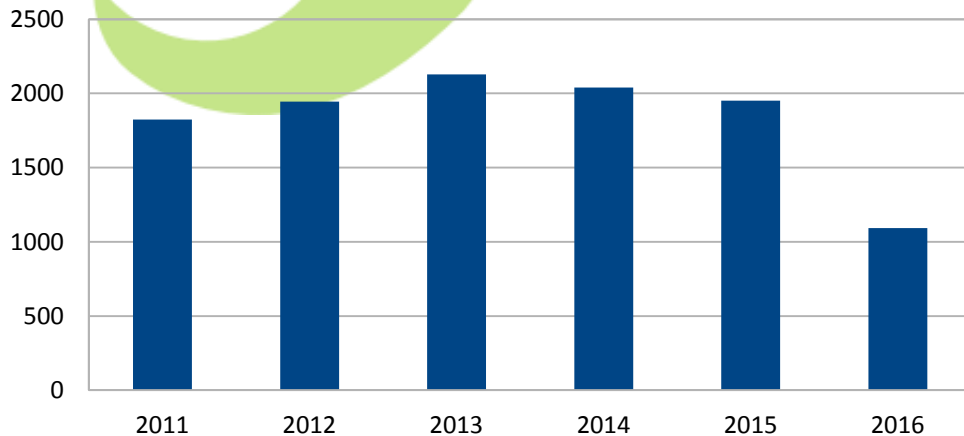
Number of attachments



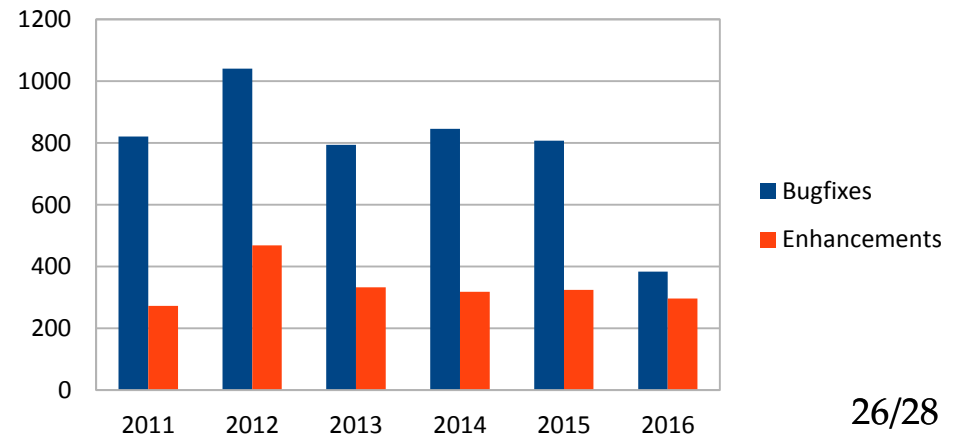
Number of comments



Number of bug reports opened



Evolution of bug reports marked as pushed



What 's next?

- **The next challenges:**

- **Implement new technologies (Responsive Design, Search engine)**
- **Clean code**
- **Performance optimization**
- **Larger libraries (millions of items), larger consortia**
- **Better coordination**
- **Better long term view**

- **But all of us are ready and willing to face them.**

