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## **Agenda**

## Today: Audiences 1

- 1. Evolve our systems and structures
  - a. Community Wishlist
  - b. UI Standardization
  - c. Better Use of Data
- Increase our reach
  - a. Search Engine Optimization
- 3. Wikidata
- 4. Finishing up last year's commitments
- 5. 3-5 Year Planning

#### **Tomorrow: Audiences 2**

- 1. Grow new contributors and content
  - a. New Content program
    - i. Progressive Onboarding
    - ii. Mobile Contribution
    - iii. Local Language Content

November 15th, 10am PST: Quarterly Metrics Meeting

Audiences annual plan link

## Welcome to our newest faces!

#### Analysts:

- Morten Warncke-Wang, Growth & Anti-Harassment Tools
- Kate Zimmerman, Head of Product Analytics

#### Designers:

• Jess Klein, Editing

#### **Software Engineers:**

- Thalia Chan, Anti-Harassment Tools
- Kosta Harlan, Growth
- Jason Linehan, Reading Infrastructure
- Nicholas Ray, Web

#### **Engineering Managers**:

- Alex Ezell, Community Tech & Anti-Harassment Tools
- Marcella Florence, Editing

#### **Technical Program Managers:**

• Jazmin Tanner, Editing & Growth

#### **Researchers:**

• Claudia Lo, Anti-Harassment Tools

## ~ 15% Growth in 6 months



## **Connection to Annual Plan**

## Annual Plan topline goal Foundational Strength—evolve our systems and structures

The team works on development tasks that benefit the most active contributors, who participate in the curatorial and administrative layers of the Wikimedia projects, as well as contributors who work on technical features for the projects. The way we obtain our roadmap is by conducting an annual survey called the **Community Wishlist Survey.** We work on the top 10 wishes from the survey every year.

## What we did

## TemplateWizard

Finished technical work and rolled out as beta feature on all projects

#### Grant Metrics tool

Implemented Wikidata support and Category Filtering



#### SVG Translate tool

Completed product research and design explorations. Began technical development.

## Event Metrics tool

Completed product research to define MVP. Completed design explorations and tickets for the first release—two new reports, Event Summary and Pages Created

## What we learned

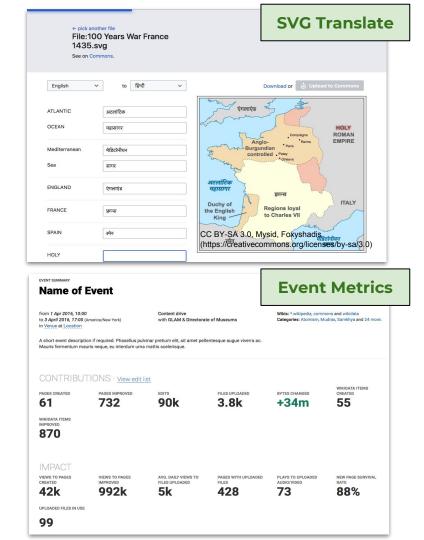
## Movement organizers have many needs beyond better metrics

As the WMF puts a new focus on movement organizers this year, the following will be worth investigating:

- **Community-building tools**, to help organizers inform, engage and manage the work of their groups
- Outreach and promotion tools, to help advertise group activities and recruit new members
- Event-management tools to more efficiently carry out tasks like event signup and conference scheduling
- Better guidance and documentation about best practices and the many tools that do exist, which can be hard both to discover and employ

## What's next

- Continue and complete SVG
   Translate tool
- Continue and complete Event
   Metrics tool
- Begin research and planning for
   Data Portability project
- Conduct Community Wishlist
   Survey 2019 (started yesterday!)





## **Connection to Annual Plan**

## Annual Plan topline goal: Evolve our systems and structures

Improve Wikimedia's user interface library and continue to integrate it with the sites

Consistency and standardization of UX elements reduces confusion and aids in the usability of software. By supporting a common user interface library (OOUI) we make it easier for designers both in the Foundation and the Community to use common styles and affordances.

## What we did

- **SHIPPED** New and improved settings page for all users on desktop Wikipedia!
  - Interface is consistent with newer parts of Wikimedia software
  - Settings are better accessible for wider range of contributors
  - Matches expectations of newcomers and less technically savvy segment of our audience
  - Unifying descriptive label styles and simplifying wording
- Made numerous UX improvements to our interface library OOUI
  - Easier interaction on touch screens in case of desktop view choice
  - Fully accessible tabbed layout

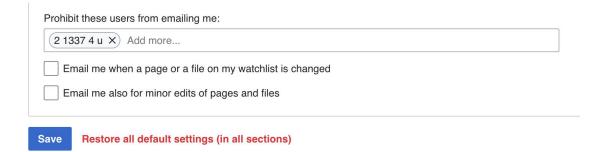
#### What was

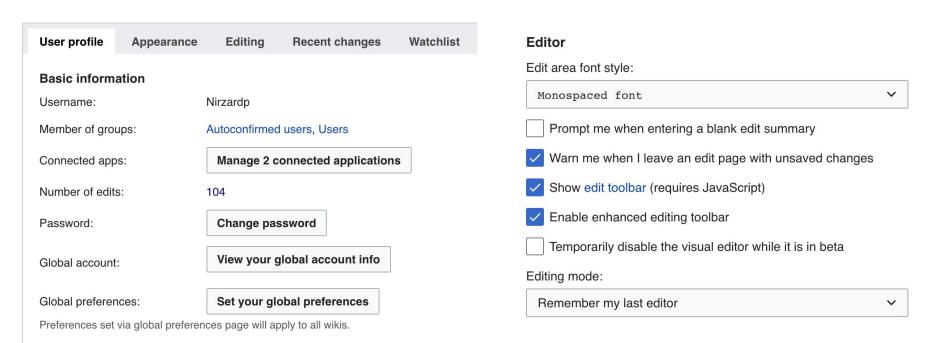


User profile Appearance Editing Re	ecent changes Watchlist	— — Editor —		
— Basic information  Username: Testing  Member of groups: Autoconfirmed users, Users  Number of edits: 0			Edit area font style:	<ul> <li>Monospaced font</li> <li>Mark all edits minor by default</li> <li>Prompt me when entering a blank edit summary</li> <li>Warn me when I leave an edit page with unsaved changes</li> <li>Show edit toolbar</li> </ul>
				Enable enhanced editing toolbar
Registration time:	20:28, 29 October 2018			
Real name:  Real name is optional. If provided, it may be	used to give you attribution for your work			
Password:				

#### Now is

- Better usable
- More accessible
- Consistently modern





## What's next

#### • Standardizing special pages

- Convert more special pages (last ½ of 53 total) to using OOUI
- Support use cases of advance editor mode project driven by Reading Web Team

#### • OOUI on mobile

- Evaluate strategic priorities and use cases of our UI library
- Provide better interfaces for mobile design projects such as advanced editing, visual editor on mobile, growth



## **Connection to Annual Plan**

## Annual Plan topline goal: Evolve our systems and structures

There is widespread desire among both the teams and their stakeholders to have more data, and to make better use of quantitative data in decision making and communication. This program will make improvements to our systems and structures for the effective collection, storage, analysis and sharing of data a top level goal across the Audiences department.

This program's goal is to make the use of quantitative data for decision making and communication a more effective and integral part of our department's systems and processes. Completing this program will result in more evidence based decision making at a feature team level, a better check on key indicators at the system level and much more cost effective analysis and sharing of data.

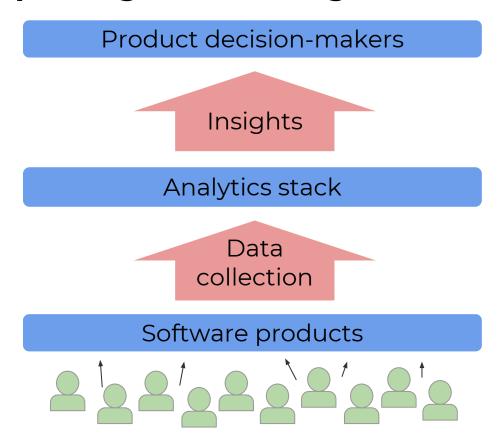
## Goal: A more reliable, efficient and accessible means of collecting, interpreting and sharing data

We've had issues throughout the data pipeline, from asking the right questions to generating reports:

In particular:

Instrumentation: Gaps between the software usage and the databases.

Reporting: Gaps between the databases and the people who use it to make decisions.



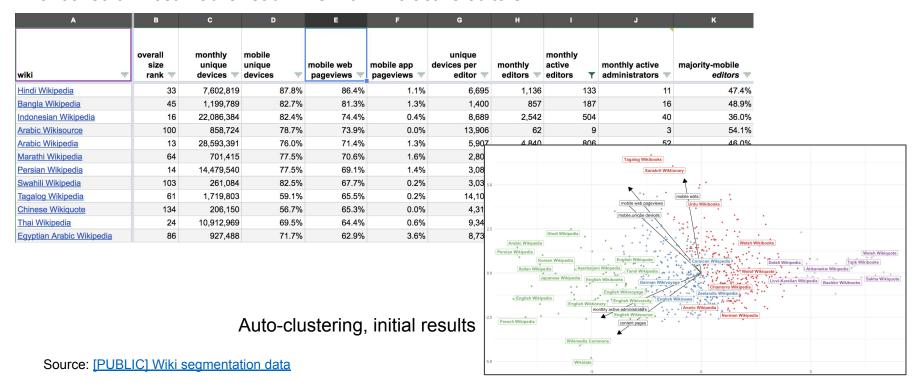
Link to annual plan

## What we did

- Conducted gap analysis and established high-level requirements (<u>results</u>)
- Hired a Head of Product Analytics (Kate) and Software Engineer (Jason) who both started 2 weeks ago
- Created wiki segments (finished stage #1 of 3)
- Redefined board metrics to better represent project health and core values
- Created cross-departmental data working group to tackle most demanding challenges
- Developed <u>DACI</u> to govern our event collection process (one of the most fraught components of our analytics process)

## **Example: Segmentation**

Manual sort. Most mobile-read wikis with > 10 active editors



## **Example: Android and iOS**

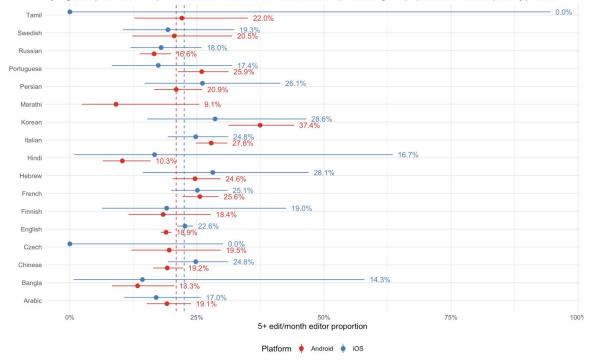
#### Take-home #1:

Editors on the apps are much more likely to be active editors (Overall average is ~15%)

#### Take-home #2:

There are too few editors on the apps to make precise counts for most wikis. Proportion of registered editors who have at least 5 edits per month





Source: <a href="https://people.wikimedia.org/~chelsyx/ios\_baseline\_program\_metrics\_fy18.html">https://people.wikimedia.org/~chelsyx/ios\_baseline\_program\_metrics\_fy18.html</a>

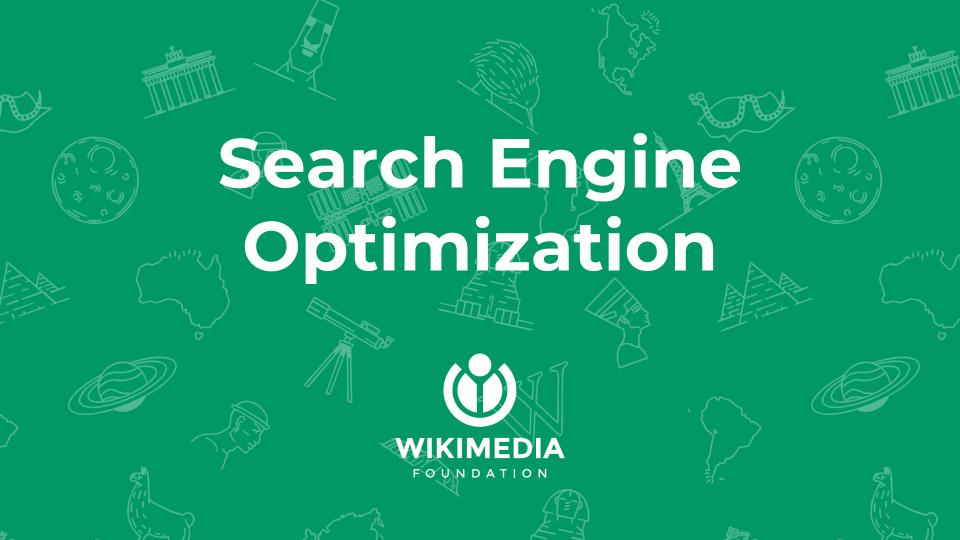
## **Identifying new challenges**

		Data		
		Detailed	Scale	
Users	Readers	×	•	
	Contributors	<b>\</b>	×	

## What's next

The top priorities for this program are currently:

- Output 3.1: Instrumentation
   Continue improving the data collection process
- Output 3.2: Controlled experiment (A/B test) capabilities)
   An improved A/B testing toolset
- Output 4.2: Reporting technology.
   Making it easier to generate reports (uniform schemas, data transferred to Druid->Superset/Turnilo)
- Output 4.3: Wiki segmentation
   Continue segmentation project



## **Connection to Annual Plan**

#### Annual plan topline goal: Increasing our reach

Helping more people find the Wikimedia projects by investing in search engine optimization (SEO).

- Search engine discoverability is crucial. At least 65% of our traffic comes from Google this brings more people to our projects readers, donors, editors. We cannot take our current high position in search engines for granted
- We have potential for improvement:
  - Our high-quality results on English Wikipedia may not transfer to smaller projects. This creates an inequality of content access.
  - We are not investing in the most optimal ways to structure our content and potentially missing opportunities for improvement

## What we did

#### Identifying weaknesses and opportunities for improvement:

- Contracting GoFish digital to review and recommend improvements
- Compiling and prioritizing SEO improvement recommendations
- Researching the viability and effects of suggested improvements

#### Moving towards rigorous analysis:

- Looking at current patterns in SEO
- Measuring effects of our changes through intervention analysis and A/B tests
- Prioritizing for impact, starting with English Wikipedia before moving to other languages

#### Implementing changes to make sites easier to crawl:

- Creating sitemaps to tell crawlers how pages relate to one another
- Adding annotations that make our sites easier to understand by crawlers

## What we learned

#### SEO work contains a lot of unknowns

- It is difficult to predict the effect of our work without more transparency into Google's methods
- Going forward, we must be very careful about measuring the impact of our work using various methods
- These changes require collaboration between multiple teams across WMF and WMDE

#### **Intervention analysis**

- Deploying sitemaps resulted in an increase in pageviews of 0.75% on Italian Wikipedia
- This results is too small to make confident statements on the results of sitemaps
- We have launched similar tests on other wikis: Indonesian, Portuguese, Punjabi, Dutch, and Korean Wikipedias

#### A/B tests

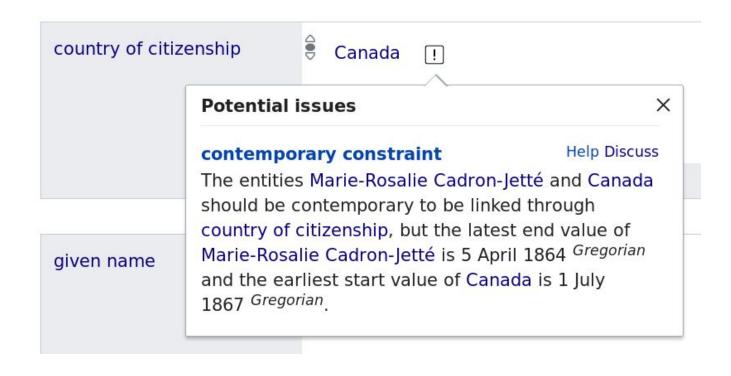
- We don't know how long some of our changes (sameAs in particular) will take to propagate
- For these, we must compare results directly to filter improvements from noise or seasonal patterns that might be occurring

## What's next

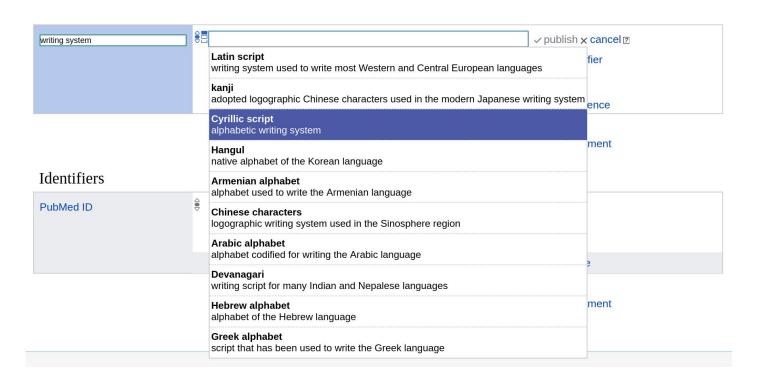
- Deploying sitemaps to more wikis so search engines can know what is there. Measuring impact.
- Focusing on better indexing on all of our platforms and measuring impact through intervention analysis.
- Ensuring crawlers can continue to understand our sites by adding
   Schema.org annotations and running an A/B test to measure impact.



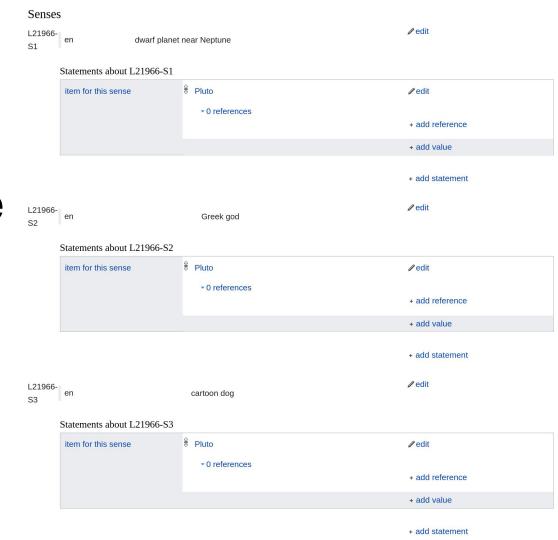
## Data quality - better constraints

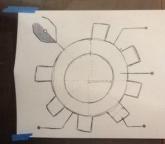


## Data quality - better suggestions



# Lexicographical data - Senses + editor experience improvements





## documentation corner













and more

Thesauri and

definitions and

Special purpose dictionaries (rhyme.

Wikidala community , table



10-11 Structured data on Commons 10-11 Wikidata user experience

## In the program

10:30 Esnolario Scholia (Wikdala base scholarly profile)

16:00 Mexico Lexicographical data

14:30 Hexico Lexicographical data workshop add words in unx language!

Wikidala community table SATURDAY

Wikidala community table

FRIDAY

12-14 WDI, SPARQL, shape expressions 14-15 Infrastructive for tools a bots

30 Hongkong Wikidata: building bridge...

11:00 Hangkong Wikidala introduction I

14:00 Hongkang Wikidata introduction II

14:00 Esimolario Structured dala on Gamas 16:00 Esimolario Wkidala Babal workatop 21:30 Lordon Wikdels meetyp nicre on [d: Wikidala: Wikimania 2018]]

13:00 Hontreal Pink Pony Session!

In the program

#### Let's talk about ...

10-11: Wikidela 6th birthday

16-17: Train the Wikidata trainers

17-18: Wikidata UX

## In the program

11:30 Montreal Wikicite

14:00 Hong Kong Wikidate infoloxeo 16:45 Hong Kong Infoloxes workshop

18:00 Landon Wikibase mootup

Wikidata @ Wikimania 2018

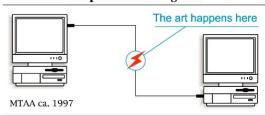
← NEWS

# Many faces of Wikibase: Rhizome's archive of born-digital art and digital preservation

By Sandra Fauconnier

6 September 2018

#### Simple Net Art Diagram



Simple Net Art Diagram (1997) by MTAA

MediaWiki, the free and open source software behind Wikipedia and its sister projects, is widely known and used outside the Wikimedia ecosystem, powering thousands of individual wikis around the world. Fewer people know that Wikibase—the software behind Wikidata, Wikimedia's knowledge base—is also available as free and open software, and can be used for external databases and linked open data projects. To highlight how organizations use Wikibase, the Wikimedia Foundation and Wikimedia Germany (Deutschland) are publishing a series of blog posts called the 'Many faces of Wikibase'.

∠ NEWS

## Many faces of Wikibase: Cataloging the history of the Illuminati

By Lisa Dittmer and Jens Ohlig 30 August 2018



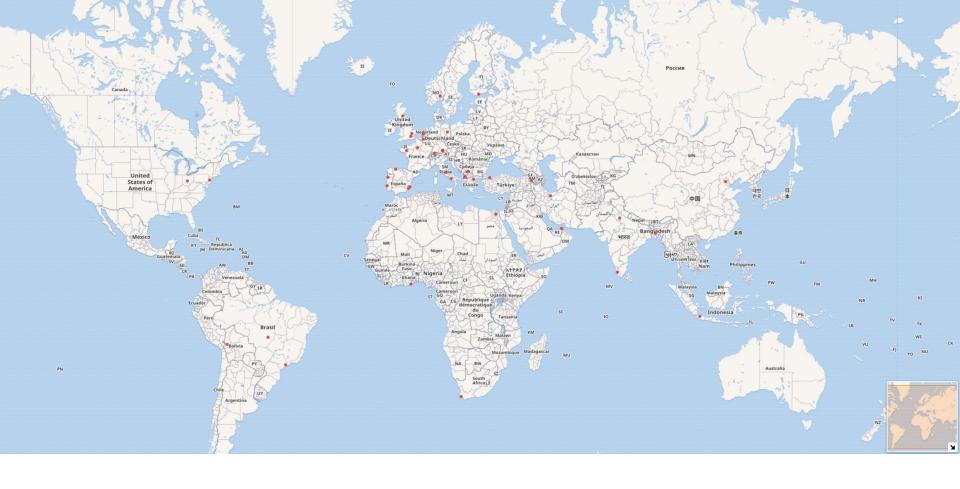




<u>MediaWiki</u>, the free and open source software behind Wikipedia and its sister projects, is widely known and used outside the Wikimedia ecosystem, powering thousands of individual wikis around the world. Fewer people know that <u>Wikibase</u>—the software behind <u>Wikidata</u>, Wikimedia's knowledge base—is also available as free and open software, and can be used for external databases and linked <u>open data</u> projects. To highlight how organizations use Wikibase, the Wikimedia Foundation and <u>Wikimedia Germany (Deutschland)</u> are publishing a series of blog posts called the 'Many faces of Wikibase'.



d:Wikidata:Sixth Birthday



We supported 37 events planned by communities all around the world for Wikidata's 6th birthday (query)

## Other noteworthy stuff (including work by volunteers and WMF)

- New tools: <u>Ordia</u>, <u>Wikidata Lexeme Forms</u>, <u>Wikidata Lexeme graph builder</u>, <u>TopicMatcher</u>,
   <u>Cradle</u>, <u>ScienceStories</u>, <u>ShapeExpression Inference tool</u>
- New releases/improvements: <u>EditGroups</u>, <u>Terminator</u>, <u>TABernacle</u>, <u>Wikidata Toolkit</u>,
   <u>OpenRefine</u>
- Great Wikimania 2018 with a lot of Wikidata content
- Discussions about the future of WikiCite
- OpenStreetMap started using Wikibase to <u>describe their tags and keys</u>

#### Recommended reading/viewing

- The rise of Wikidata as a linked data source
- Underwater Basket Weaving: Russian Writers and Their Professions According to Wikidata
- Many faces of Wikibase: Cataloging the history of the Illuminati
- Many faces of Wikibase: Rhizome's archive of born-digital art and digital preservation
- Wikidata Sparql Query Log Analysis
- Wikidata SPARQL Query Log Item and Property Co-occurrence Analysis

#### Oldies but goldies:

- restricting the world
- on truths and lies
- a categorical imperative



#### Page Issues

## Changing the visual styling of page issues on the mobile website to increase awareness of content issues within an article

- Before, mobile users had no visual indicator for page issues this meant they could be reading articles marked for deletion or even hoax articles without knowing so
- This made our content appear less trustworthy
- We wanted to redesign page issues so they appear on the page

#### What we did

- Displayed page issues at the top of the page (as in desktop)
- Built indicators that identify the severity of the issue to the user
- Measured the effects of the change using A/B testing and qualitative testing:
  - Do users pay more attention to issues now than they did before?
  - How does this affect their reading habits?
  - Are editors more likely to edit when the issues are better exposed?
  - Do the new page issues increase trust in Wikipedia?



Bass guitar

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#### Bass guitar



The bass guitar<sup>[1]</sup> (also known as electric bass, <sup>[2][3][4]</sup> or bass) is a stringed instrument similar in appearance and construction to an electric guitar, except with a longer neck and scale length, and four to six strings or courses. The four-string bass is usually tuned the same as the double bass, <sup>[5]</sup> which corresponds to pitches one octave lower than the four lowest pitched strings of a guitar (E, A, D, and G). <sup>[6]</sup> The bass guitar is a transposing instrument, as it is notated in bass clef an octave higher than it sounds. It is played primarily with the fingers or thumb, by plucking, slapping, popping, strumming, tapping, thumping, or picking with a plectrum, often known as a pick. The electric bass guitar has pickups and must be connected to an amplifier and speaker, to be loud enough to compete with other instruments.

# Bass guitar

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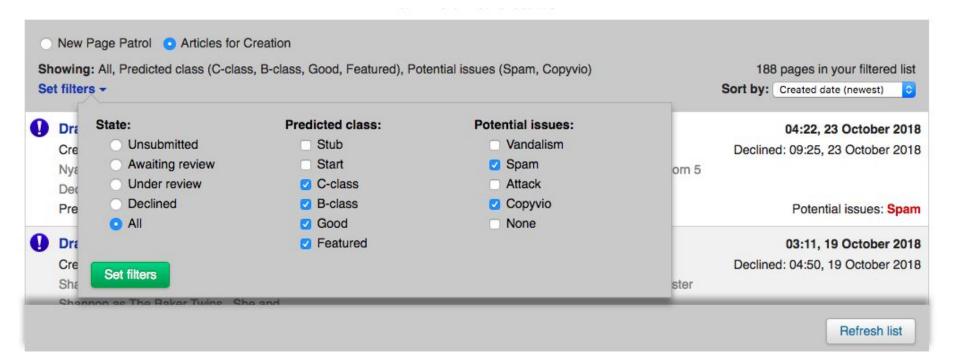
Article text: Wikipedia Contributors/ CC-BY-SA. Bass guitar image: John Clift (Flickr: JJ004 Roi du Soleil Bass) [CC BY 2.0]

# Page issues - preliminary conclusions

- Readers had very low awareness of page issues before the changes
- Awareness has increased significantly (click-throughs on issues notice increased three- to eightfold)
- So far, the change does not seem to have had large effects on editing behavior

#### **Augmentation for New Pages Feed**

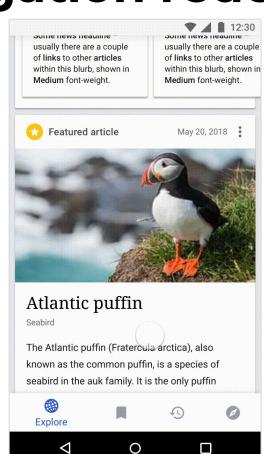
<u>Installed ORES and copyvio algorithms</u> to help the New Page Patrol and Articles for Creation reviewers make efficient and informed decisions. This will help promote good content quickly while fighting spam. (Growth Team and Community Tech Team)



### Android navigation redesign

We redesigned the app's navigation structure to place more emphasis on reading as a primary activity.

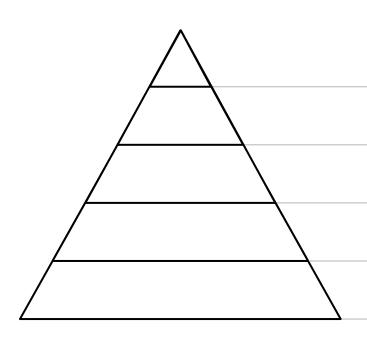
This version was overwhelmingly preferred by the users with whom we tested, and we hope to show a quantitative increase in article engagement.







## 3-5 year planning process



roadmap what we're actually going to do and in what order

**plan** what we'll do: w/ costs, risks, a relative priority, and coherent groupings of proposals

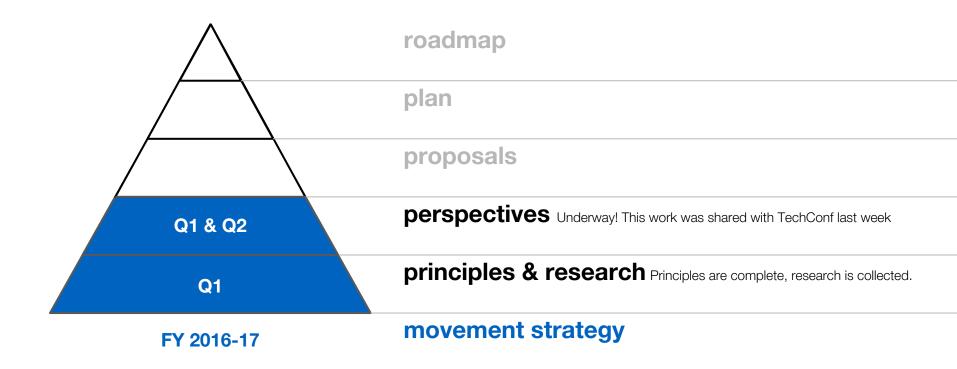
proposals what we might do to advance our goals given what we know right now

**perspectives** what we believe is true about the world: "the business case"

principles & research what we aspire to do & what we're doing now

**movement strategy** why we're doing what we're doing

### what we did



## product principles

**Community-centric:** enabling a welcoming, vibrant community place where people come together to create, share, and discover knowledge through positive collaboration.

**Usable for all:** promoting equity through usable, useful, and inclusive tools and services that meet the needs of a diversity of people and machines across user experiences.

**Intentionally transparent:** demystifying the knowledge creation process and encourage participation by giving everyone visibility into how information is created, verified, and improved over time.

**Extensible and sustainable:** creating the conditions for people and machines to use, reuse, and build on top of our platform, extending free knowledge and supporting a sustainable future for Wikimedia.

suming Equitable, inclusive models of vledge by default in Wikimedia Projects

English is not the main Wlkipedia language

Less

resources for multilingua I design process

more

multilingua I design & dev

share best

practices

for

New, valuable content for all emphasis projects on English (valuable tbd)

No notability policy

challenges

and cts ses ster.

> reliance on 4 sessions templates) 27 AUD team participants... 7 from eng 6 from other depts

Wikipedia available anywhere you are

More emphasis on mobile Content accessible via datproject for ultimate privacy/access to our content and freedom

free internet access to all wiki products Better-integrat ed, suitable, interactive content for all audiences

Clear, simple paths to participation for different kinds of personalities & stakeholders scattered throughout the projects

Existina

Wikitext model is not the way

we store our

data (less

A better model for "joining" the Wikimedia Community

more resources participator y design

> Strong readership and communities everywhere

Wikipedia as an engaging place for people to participate in various ways

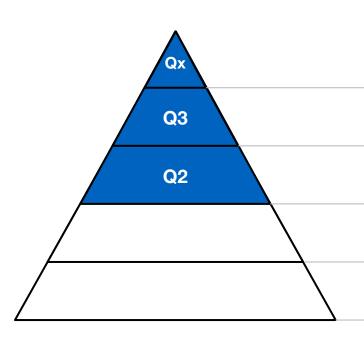
> Contribution flows usable to all interested users

Strong affiliated communities and organizations in external stakeholders every part of the world

2 sessions **Aud Leads** Photo by Margeigh Novotny, CC-0

## trust read the abstract here experience read the abstract here scale read the abstract here augmentation read the abstract here culture read the abstract here toos read the abstract here

### what's next.



**roadmap** Departmental leadership and WMF leadership confirm plans; teams and functional heads begin roadmapping at department, program and team levels in Q3-Q4

**Plan** Planning group evaluation of recommendations and potential plans shared with Other departments at and after All Hands

**proposals** Open staff call for proposals aligned with the published perspectives and incorporating all peer feedback

perspectives

principles & research

movement strategy

