Audiences 3
Community Tech, Design Research, Wikidata

January 2018 quarterly check-in

WIKIMEDIA

F O U N D A T I O N

Community Tech:
Community Wishlist team

Meet the needs of active Wikimedia contributors for improved, expert-focused curation and moderation tools.

WIKIMEDIA
F O U N D A T I O N

Rank	Proposal	Status
1	Global gadgets	Declined
2	Edit summary length for non-Latin languages	Dec 2017
3	Section heading URLs for non-Latin languages	Dec 2017
4	Global preferences	Planned release in Jan-Feb 2018
5	Rewrite XTools	Nov 2017
6	Wikitext editor syntax highlighting	Aug 2017
7	Warning on unsuccessful login attempts	Aug 2017
8	Automatic archive for new external links	Declined
9	Fix Mr.Z-bot's popular pages report	May 2017
10	User rights expiration	April 2017 (by volunteer)

Edit summaries for non-Latin languages (wish #2)

Revision as of 20:49, 18 April 2016 (edit) (undo) (thank)

SpecialAdviser (talk | contribs | block)

(→*Сомнения в реализуемости проекта*: *после каж.предл.долж.быть.прост.ист.а не в конце абзац!Не обн совпад.даже части утверж.через поиск.устр!*)

Newer edit →

Line 256:

[[Интерфакс]] отмечает, что на разработку корабля за 10 лет планируется потратить чуть более 60 млрд рублей.{{нет АИ|18|04|2016}} Ранее же представители РКК «Энергия» заявляли, что разработка ПТК НП обойдется в 6 млрд долларов (более 200 млрд рублей по курсу на август 2014).{{нет АИ|18|04|2016}} В связи с этим появляются серьезные сомнения в том, что заявленный график работы не претерпит значительных и, конечно, негативных изменений.{{нет АИ|18|04|2016}}

Global Preferences (wish #4)

Basic information

Username: DannyH (WMF)

Member of groups: Autoconfirmed users, Users

Number of edits: 20
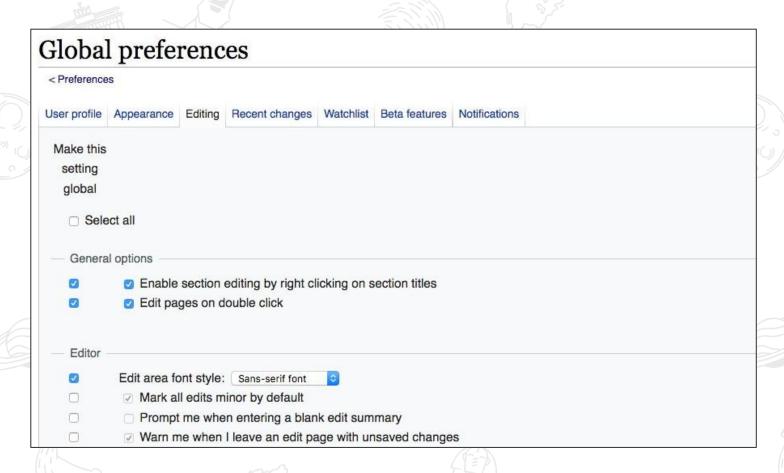
Registration time: 00:19, 22 March 2017

Real name: [   ]

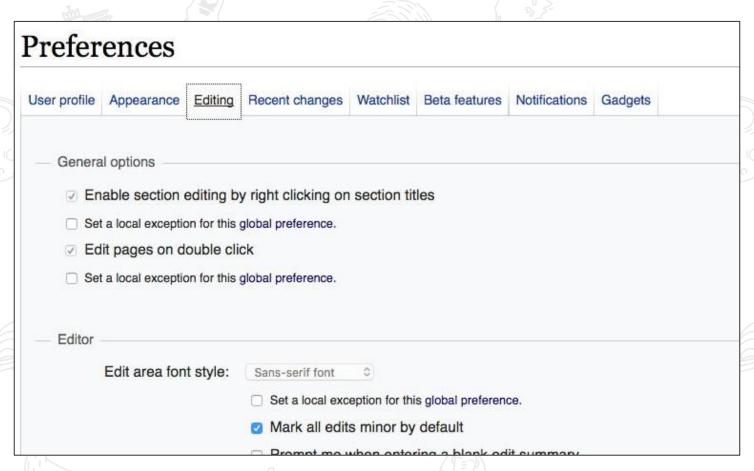Real name is optional. If provided, it may be used to give you attribution for your work.

Password: Change password

Global preferences: Set your global preferences

Global Preferences (wish #4)

Global preferences

< Preferences

User profile | Appearance | Editing | Recent changes | Watchlist | Beta features | Notifications

Make this
setting
global

☐ Select all

General options

☑ ☑ Enable section editing by right clicking on section titles
☑ ☑ Edit pages on double click

Editor

☑ Edit area font style: [Sans-serif font ◊]
☐ ☑ Mark all edits minor by default
☐ ☐ Prompt me when entering a blank edit summary
☐ ☑ Warn me when I leave an edit page with unsaved changes

Global Preferences (wish #4)

Preferences

User profile   Appearance   Editing   Recent changes   Watchlist   Beta features   Notifications   Gadgets

General options

☑ Enable section editing by right clicking on section titles

☐ Set a local exception for this global preference.

☑ Edit pages on double click

☐ Set a local exception for this global preference.

Editor

Edit area font style: Sans-serif font

☐ Set a local exception for this global preference.

☑ Mark all edits minor by default

☐ Prompt me when entering a blank edit summary

CHECK IN

Jan 2018

TEAM/DEPT

Community Tech

PROGRAM

5 [LINK]

WIKIMEDIA FOUNDATION ANNUAL PLAN

GOAL: Build and maintain tools used by active contributors

What is your workflow?	Who are you working with?	What impact / deliverables are you expecting?
Investigate and address top ten wishes from Community Wishlist Survey	**LAST QUARTER**	
	MediaWiki Platform, Brad Jorsch	Edit summary length: MediaWiki Platform team is deploying the necessary database changes. There are a few more steps; we expect the wish to be completed by the end of Q3.

STATUS : OBJECTIVE ON TRACK

CHECK IN

Jan 2018

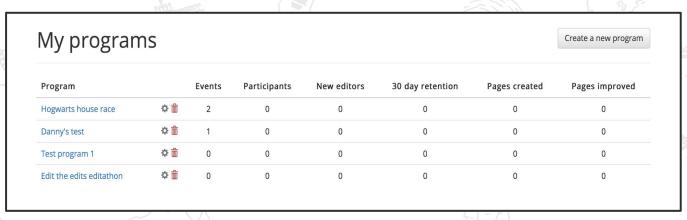TEAM/DEPT

Community Tech

PROGRAM

5 [LINK]

WIKIMEDIA FOUNDATION ANNUAL PLAN

GOAL: Build and maintain tools used by active contributors

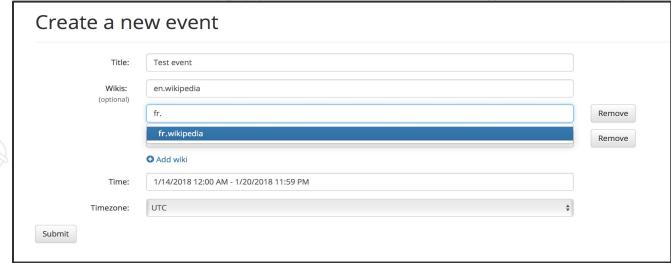| What is your workflow?	Who are you working with?	What impact / deliverables are you expecting?
Investigate and address top ten wishes from Community Wishlist Survey	**LAST QUARTER**	
		Plan to have a v1 of Global Preferences for testing by the end of the quarter. — Done! Test here.
		Conduct 2017 Community Wishlist Survey, in collaboration with contributors from all Wikimedia projects.
	NEXT QUARTER	
		Rollout support for Global Preferences (2016 wish #4)
		Investigate new Wishlist Survey wishes, and start work on the first two projects.

STATUS : OBJECTIVE ON TRACK

Grant metrics tool (Community Resources)

My programs

Create a new program

Program		Events	Participants	New editors	30 day retention	Pages created	Pages improved
Hogwarts house race	⚙ 🗑	2	0	0	0	0	0
Danny's test	⚙ 🗑	1	0	0	0	0	0
Test program 1	⚙ 🗑	0	0	0	0	0	0
Edit the edits editathon	⚙ 🗑	0	0	0	0	0	0

Programs

Create a new event

Events

Title: Test event

Wikis: en.wikipedia
(optional)

fr.

fr.wikipedia

Remove

Remove

➕ Add wiki

Time: 1/14/2018 12:00 AM - 1/20/2018 11:59 PM

Timezone: UTC

Submit

Grant metrics tool (Community Resources)

NYC editathon showdown (edit event)

Wikis:	en.wikipedia
Start date:	14/12/2017 00:33 (UTC)
End date:	22/12/2017 15:03

Calculate totals   Export ▾

Export raw event data

Participants	New editors	30 day retention	Pages created	Pages improved
3	0	0	0	0

Compute statistics for events

Participants

3 participants

Noexisto	Remove
Toughpigs	Remove
Scarecroe	Remove

Add more participants, one per line.

Add event participants

Submit

CHECK IN

Jan 2018

TEAM/DEPT

Community Tech

PROGRAM

5 [LINK]

GOAL: Build and maintain tools used by active contributors

What is your workflow?	Who are you working with?	What impact / deliverables are you expecting?
Represent both large and small communities	**LAST QUARTER**	
	Community Resources, Grantees	Build a simple, easy to use tool for Wikimedia Foundation grant recipients to calculate and report the impact of their work.
	NEXT QUARTER	
	Community Resources, Grantees	Rollout v1 of the application to a select group of beta testers for getting feedback. Based on feedback, expand application to work with Commons and Wikidata in addition to Wikipedias. Eventually, rollout to a wider audience.

STATUS : OBJECTIVE ON TRACK

CHECK IN

Jan 2018

TEAM/DEPT

Community Tech

PROGRAM

5 [LINK]

GOAL: Build trust and cooperation with Enwiki contributors

What is your workflow?	Who are you working with?	What impact / deliverables are you expecting?
Engage with New Page Patrol community on English WP to determine solutions for the growing page review backlog	**LAST QUARTER**	
	Morten Warncke-Wang, New Page Patrol community, Research, Community Engagement	Publish research report on-wiki with research findings, based on data from the first four weeks of ACTRIAL (Sept 14-Oct 12), lead community consultation about results and findings
	NEXT QUARTER	
	Morten Warncke-Wang, New Page Patrol community, Research, Community Engagement	Publish research report on-wiki with research findings, based on data from the first months of ACTRIAL, lead community consultation about results and findings

STATUS : STALLED, BACK ON TRACK SOON

Info on Autoconfirmed article creation trial (ACTRIAL): https://en.wikipedia.org/wiki/Wikipedia:Autoconfirmed_article_creation_trial
Research page on ACTRIAL: https://meta.wikimedia.org/wiki/Research:Autoconfirmed_article_creation_trial

Rank	Proposal
1	Improvements to Maps UI and stability
2	Ping users from the edit summary
3	Programs and events dashboard
4	Who Wrote That revision search tool
5	Add VisualEditor's template edit modal to wikitext editor (Infobox wizard)
6	Deploy Article Alerts to other languages
7	Auto-save feature in Visual Editor and WikiText Editor
8	Allow 'thanks' notification for actions other than edits
9	Tool that allows translation of text in SVG images
10	Cross-wiki article talk notifications when a Commons image is marked for deletion

Audiences Design Research

WIKIMEDIA
FOUNDATION

abstract

Analysis

Frame insights:
Find patterns in quantitative and qualitative data and extract insights.

Synthesis

Explore concepts:
Generate and evaluate concepts against research data and with users they are designed for.

Frame solutions: Prioritize and plan for implementation of solutions and offerings.
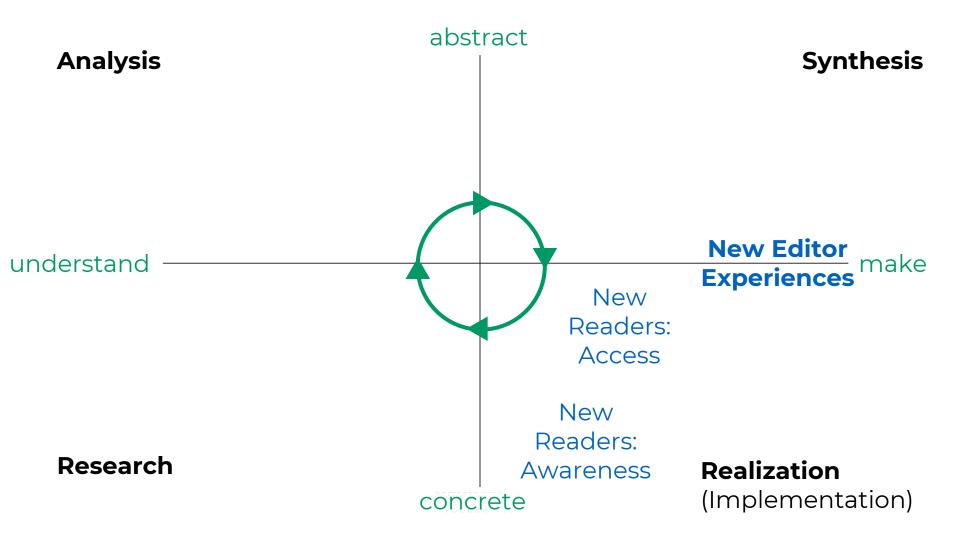
understand

make

Know context and people: Look at the big picture for insight into contexts and people, unmet needs, and opportunities.

Realize solutions / offerings: Define MVP and release plan, build prototypes, iterate toward refinement with beta, release, maintain and sunset.

Research

Realization
(Implementation)

concrete

abstract

Analysis

Synthesis

understand — make

New Editor Experiences

New Readers: Access

New Readers: Awareness

Research

Realization (Implementation)

concrete

Focus:
Decided which of the 11
findings are most
important to focus on
(4 hours)

Concept generation 2:
Brainstormed solutions across both
focus areas, informed by personas and
their user journeys. (4 hours)
Ideas across personas' journeys: A
Ideas across personas' journeys: B
Ideas across personas' journeys: C
All the ideas organized into sets.

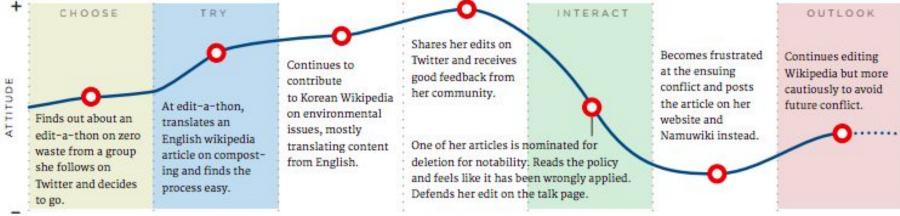October   November   December

Concept generation 1:
Brainstorm solutions for
Conceptual understanding of
Wikipedia, informed by personas
and their user journeys. (4 hours)
Ideas across personas' journeys
All the ideas we created, organized

Concept Evaluation
Which of the solution sets we
created are the most
important to focus on
considering our goals and
focus areas?
(4 hours +)

Social Changer
Jae-Hee

AGE:
27 years old

LOCATION:
Seoul, South Korea

OCCUPATION:
Freelance graphic designer

EDUCATION:
University

LANGUAGES:
Korean (fluent)
Japanese (proficient)
English (proficient)

Technology comfort level
Low — High

Writing comfort level
Low — High

ATTITUDE (+/−)

CHOOSE
Finds out about an edit-a-thon on zero waste from a group she follows on Twitter and decides to go.

TRY
At edit-a-thon, translates an English wikipedia article on composting and finds the process easy.

Continues to contribute to Korean Wikipedia on environmental issues, mostly translating content from English.

Shares her edits on Twitter and receives good feedback from her community.

One of her articles is nominated for deletion for notability. Reads the policy and feels like it has been wrongly applied. Defends her edit on the talk page.

INTERACT
Becomes frustrated at the ensuing conflict and posts the article on her website and Namuwiki instead.

OUTLOOK
Continues editing Wikipedia but more cautiously to avoid future conflict.

Goal

Attract and retain more new editors in medium-size Wikipedias

Strategy

(findings to address)

Conceptual understanding of Wikipedia

New editors struggle with Wikipedia's policies, and are confused about how Wikipedia works and separated from its community. (#5 and #8 combined)

Progressive pathways to editing

New editors benefit from progressive learning, and have trouble discovering and using editing tools. (#7 and #9 combined)

Tactics

(solution sets to experiment with)

In context help

Solutions related to small, doses of help automatically presented to the user at a time which their activities suggest would be relevant.

Human to human help and mentorship

Solutions related to one-on-one help from another human being

Micro-contributions and task recommendations

Solutions related to making recommendations for specific tasks a new editors can do, based on their interests or recent activities

CHECK IN
01-2018

TEAM/DEPT
Audiences Design Research

PROGRAM
4 [LINK]

GOAL: Improve new editor experiences

What is your objective?	Who are you working with?	What impact / deliverables are you expecting?
Objective 1: Expand, deepen understanding of new editor experiences in emerging communities based on generative research. **Objective 2**: Improve, adjust, create features geared at needs identified in research. Features prioritized based on research outcomes.	**LAST** QUARTER 17 people from 7 teams (**Contributors, Readers, Community Programs, Community Resources, Learning and Evaluation, Research, ORES**) 3 departments: Audiences, Community Engagement and Research Led by: Abbey Ripstra, Neil Quinn, Grace Gellerman.	Designed, facilitated 4 **fully remote workshops** to focus work. Developed **norms, best practices for visual, synchronous collaboration across time zones.** In the workshops, the team: ● **Prioritized** 4 of the 11 findings from research to address. ● **Generated** many concepts (link , link, link) ● **Evaluated** and decided on 3 solution sets (tactics) to experiment toward the overarching goal with. ● **Created** a strategy from decisions made with team. We **communicated** the work ● Blog post about the project was published. ● Video presentation for Czech Wikimedia Conference, Dec 2. Engaged the Czech Wikimedia chapter to support community ambassador work. Continued working with Revi, our Korean community ambassador

CHECK IN
01-2018

TEAM/DEPT
Audiences Design

PROGRAM
4 [[LINK](#)]

**[WIKIMEDIA
FOUNDATION
ANNUAL PLAN](#)**

GOAL: Improve new editor experiences

What is your objective?	Who are you working with?	What impact / deliverables are you expecting?
Objective 1: Expand, deepen understanding of new editor experiences in emerging communities based on generative research. **Objective 2**: Improve, adjust, create features geared at needs identified in research. Features prioritized based on research outcomes.	**NEXT** QUARTER Neil Patel Quinn for program management. Teams and individuals who have resources / time, or want to work on the project through the end of the fiscal year. Grace Gellerman, Mel Kramer and Ed Erhart on blog post.	● Program management for New editor experiences: 　○ Work with teams, leadership on **annual planning** for NEX 　○ Continue to support cross team collaboration as we move toward into iteration, experimentation and implementation toward accomplishing goals. ● Work with Grace, and Mel and Ed in Comms Blog post about best practices and useful norms fully remote, synchronous visual collaboration.

STATUS : OBJECTIVE ON TRACK

Wikidata

December 2017 quarterly check-in

Wikidata development team

GOAL: Continue to assure the technical and social sustainability of Wikidata (software and community) as the central, structured knowledge data base for the Wikimedia movement and beyond.

What is your objective / workflow?	Who are you working with?	What impact / deliverables are you expecting?
Improve the usability of Wikidata	**LAST QUARTER**	
		– More research on how and why people are editing Wikidata with a focus on manual editing – Concept for improved input and display of labels/descriptions/aliases for different languages – Improved constraint checks (checks on qualifiers and references, UI improvements, caching)
	NEXT QUARTER	
		- Refine concept for improved input and display of labels/descriptions/aliases - Enable constraint checks for logged-in users by default

STATUS: OBJECTIVE IN PROGRESS

GOAL: Continue to assure the technical and social sustainability of Wikidata (software and community) as the central, structured knowledge data base for the Wikimedia movement and beyond.

What is your objective / workflow?	Who are you working with?	What impact / deliverables are you expecting?
Improve the documentation around Wikidata	**LAST QUARTER**	
		- Support community in addressing common fears and objections towards Wikidata ([page on Wikidata](#))
	NEXT QUARTER	

STATUS: OBJECTIVE IN PROGRESS

What you learned working on this objective or workflow:

Did anything unexpected (good or bad) happen?

- **More and more people in the community are seeing documentation as important and valuable and work on documentation for high-impact tools like Quick Statements**

What would you do differently if you had to do it again?

-

Did you struggle with anything?

-

GOAL: Continue to assure the technical and social sustainability of Wikidata (software and community) as the central, structured knowledge data base for the Wikimedia movement and beyond.

What is your objective / workflow?	Who are you working with?	What impact / deliverables are you expecting?
Document data partnerships	**LAST QUARTER**	
	Lots of talks: Digital Humanities Archives in Leipzig, Parlamentwatch.de, EU Publications office, FactGrid	- Final round of talks with EU and Parlamentwatch.de regarding data donation - Collaboration with researchers to set up Wikibase instance outside Wikimedia (FactGrid)
	NEXT QUARTER	
		- More outreach to data partners with a focus on using Wikibase outside Wikimedia and getting feedback on the existing Docker images

STATUS: OBJECTIVE IN PROGRESS

What you learned working on this objective or workflow:

Did anything unexpected (good or bad) happen?

- Data partnerships are addressed by several people: us, WMF (Sandra Fauconnier, Alex Stinson etc.), volunteers. It's great that we finally have each other and are in constant contact

What would you do differently if you had to do it again?

- Almost never use "data donations", emphasize the phrase "data partnership" much more

Did you struggle with anything?

-

GOAL: Continue to assure the technical and social sustainability of Wikidata (software and community) as the central, structured knowledge data base for the Wikimedia movement and beyond.

What is your objective / workflow?	Who are you working with?	What impact / deliverables are you expecting?
Keep the community involved, happy and connected	**LAST QUARTER**	
	Events team, ZEN and IF team	- Made WikidataCon happen (final organization, volunteer coordination, leading the event, documenting) - Supported volunteers to organize a Wikidata-WLM workshop
	NEXT QUARTER	
		- Community work for the roll-out of the Lexeme entity type

STATUS: OBJECTIVE IN PROGRESS

What you learned working on this objective or workflow:

Did anything unexpected (good or bad) happen?

- Huge success of WikidataCon
- Great community spirit, lot of involvement during and after the event
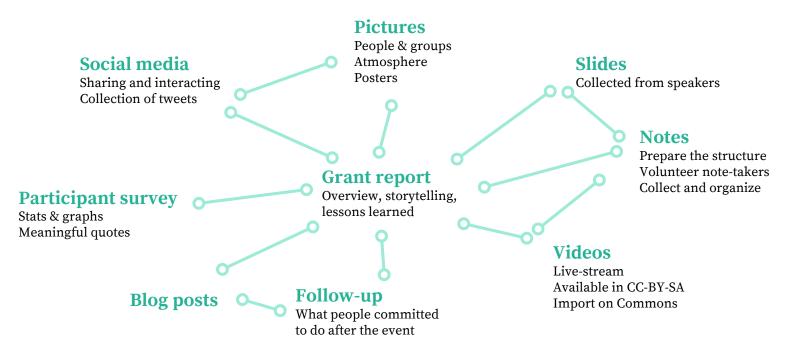- Much [documentation](#) of WikidataCon (videos, blog posts, notes)

What would you do differently if you had to do it again?

- Involve more colleagues (inside and outside of software department) before the event
- Start looking for volunteers earlier

Did you struggle with anything?

- Organizing WikidataCon was considerably more work than anticipated

WikidataCon: documentation and reporting

Pictures
People & groups
Atmosphere
Posters

Social media
Sharing and interacting
Collection of tweets

Slides
Collected from speakers

Notes
Prepare the structure
Volunteer note-takers
Collect and organize

Grant report
Overview, storytelling,
lessons learned

Participant survey
Stats & graphs
Meaningful quotes

Videos
Live-stream
Available in CC-BY-SA
Import on Commons

Blog posts

Follow-up
What people committed
to do after the event

You can see the overview on the documentation page

GOAL: Continue to increase the reach of Wikidata into the Wikimedia projects.

What is your objective / workflow?	Who are you working with?	What impact / deliverables are you expecting?
Provide structured data support for multimedia files to Wikimedia Commons	**LAST QUARTER**	
	WMF	– Worked on implementing Multi Content Revision-aware storage layer services for loading revisions and updating pages – Finalized MCR database schema
	NEXT QUARTER	
	WMF	– Worked on implementing Multi Content Revision-aware storage layer services for updating pages – Setting up a dedicated test system for MCR – Creating new DB tables for MCR, testing the schema migration process

STATUS: OBJECTIVE IN PROGRESS

What you learned working on this objective or workflow:

Did anything unexpected (good or bad) happen?

- **Less resources than requested were available for this**

What would you do differently if you had to do it again?

-

Did you struggle with anything?

- **Coordination with and supporting WMF on MediaInfo and MCR**

GOAL: Continue to increase the reach of Wikidata into the Wikimedia projects.

What is your objective / workflow?	Who are you working with?	What impact / deliverables are you expecting?
Support for storing lexicographical data in order to support Wiktionary	**LAST QUARTER**	
		- Demoable prototype (Wikimania) - Persistent storage and API for lexicographical data - Frontends for elements unique for lexicographical data - Improved expandability of the generic Wikibase code base
	NEXT QUARTER	
		- First release of the Lexeme entity type

STATUS: OBJECTIVE IN PROGRESS

Leiter

de

Language German
Lexical Category noun

Statements

Morphology	German declination W1
	0 references

Gendered form	Leiterin noun in German
	0 references

Grammatical gender	male
	0 references

Forms

L1-F1 Leiter
de

Grammatical features nominative, singular

Statements about L1-F1

IPA Pronunciation	/ˈlaɪ̯tɐ/
	0 references

Syllabification	Lei-ter
	0 references

GOAL: Continue to increase the reach of Wikidata into the Wikimedia projects.

What is your objective / workflow?	Who are you working with?	What impact / deliverables are you expecting?
Make ArticlePlaceholder pages discoverable by search engines in order to help small Wikipedias grow their reach	**LAST QUARTER**	
	WMF	– Rolled out ArticlePlaceholder on more wikis depending on community demand (sewiki/Northern Sami)
	NEXT QUARTER	

STATUS: OBJECTIVE IN PROGRESS

GOAL: Continue to increase the reach of Wikidata into the Wikimedia projects.

What is your objective / workflow?	Who are you working with?	What impact / deliverables are you expecting?
Make using Wikidata data on the other Wikimedia wikis easier	**LAST QUARTER**	
	WMF	- Rolled out fine grained usage tracking to more wikis to assess scalability and improve it (cawiki, cewiki, kowiki, trwiki) - Made plan for change dispatching scaling
	NEXT QUARTER	
		- Continue roll-out of fine-grained usage tracking to more wikis - Discuss future plans for dependency tracking at the Developer Summit

STATUS: OBJECTIVE IN PROGRESS

GOAL: Continue to increase the reach of Wikidata into the Wikimedia projects.

What is your objective / workflow?	Who are you working with?	What impact / deliverables are you expecting?
Automated creation/update of list articles based on queries to Wikidata	**LAST QUARTER**	
	FU Berlin	– Developing a query builder prototype that allows users with limited SPARQL knowledge to generate their own queries
	NEXT QUARTER	

STATUS: OBJECTIVE IN PROGRESS

Other noteworthy stuff (including work by volunteers and WMF)

- New tool: Wikidata SPARQL Recent Changes
- New tool: WD edit stats
- Added full URIs for external identifiers to RDF export
- New Lua functions getAllStatements and getLabelByLang
- Firefighting around recent changes integration on big wikis
  - Reduced size of diff we are sending from Wikidata to clients
  - Sending less changes to clients
- Changed our deployment setup and processes to be the same as the rest of Wikimedia (-> there is no longer a Wikidata Build and deployments happen every week now)
- Migrated to Elastic Search as a backend for the entity suggester and improved suggestions
- Improved threshold for ORES
- Mix'n'Match got overhauled
- QuickStatements now has a CSV-like import function
- Documentation for QuickStatements was written

Recommended reading/viewing

- [Well structured political data for the whole world: impossible utopia, or Wikidata at its best?](#)
- [Importing data into Wikidata – current challenges and ideas for future development](#)
- [Fünf Jahre Wikidata](#)
- [Wikidata, a rapidly growing global hub, turns five](#)
- [One knowledge graph to rule them all?](#)
- [Cool-WD: A Completeness Tool for Wikidata](#)
- [Provenance Information in a Collaborative Knowledge Graph: an Evaluation of Wikidata External References](#)
- [Question Answering Benchmarks for Wikidata](#)
- [Unlocking the human potential of Wikidata](#)
- [Overview of the documentation of WikidataCon](#)
- [Wikicite 2017 report](#)

PORTRAIT OF WILHELM JENSEN, POET AND HISTORICAL NOVELIST. AFTER THE ORIGINAL PAINTING FROM A PHOTOGRAPH LENT BY THE ARTIST

Frau Marie Jensen, Painter

Wilhelm Jensen
🖼 commons:Marie Jensen - Portrait of Wilhelm Jensen, Poet and Historical novelist.jpg
🔍 Marie Jensen

Marie Krøyer
🖼 commons:Marie Krøyer - Double portrait of Marie and P.S. Krøyer. The couple have portrayed one another - Google Art Project.jpg
🔍 Peder Severin Krøyer

Marie Krøyer
🖼 commons:MARIE 21.jpg
🔍 Peder Severin Krøyer

Marie-Hortense Fiquet
🖼 commons:1885-86 Madame Cézanne.jpg
🔍 Paul Cézanne

Karin Larsson
🖼 commons:Atelje-idyll Konstnärens hustru med dottern Suzanne av Carl Larsson 1885.jpg
🔍 Carl Larsson

Isabella Brant
🖼 commons:Drawing of Isabella Brant by Peter Paul Rubens.jpg
🔍 Peter Paul Rubens

Juriaen Pool
🖼 commons:Juriaen Pool and Rachel Pool-Ruysch - Family portrait with flower still-life in the making - 1716 - Stadtmuseum Düsseldorf.jpg
🔍 Rachel Ruysch

Saimi Järnefelt
🖼 commons:The Artist's Wife (Eero Järnefelt) - Nationalmuseum - 24412.tif
🔍 Eero Järnefelt

Saimi Järnefelt
🖼 commons:Eero Järnefelt - Saimi in the Meadow (1892).jpg
🔍 Eero Järnefelt

works of art in which the artists depicts their spouse

unit	unitLabel	personLabel
🔍 wd:Q901448	Einstein	Albert Einstein
🔍 wd:Q162525	Engler degree	Carl Engler
🔍 wd:Q47083	ohm	Georg Simon Ohm
🔍 wd:Q1091059	abohm	Georg Simon Ohm
🔍 wd:Q267391	kayser	Heinrich Kayser
🔍 wd:Q39369	hertz	Heinrich Rudolf Hertz
🔍 wd:Q913365	Planck energy	Max Planck
🔍 wd:Q915169	Planck force	Max Planck
🔍 wd:Q249439	Planck charge	Max Planck
🔍 wd:Q914151	Planck power	Max Planck
🔍 wd:Q536785	Planck density	Max Planck
🔍 wd:Q207387	Planck length	Max Planck
🔍 wd:Q202642	Planck time	Max Planck

units of measurement named after Germans

number of films passing or failing the Bechdel test per year

44

45