



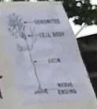

*Citations needed for the  
sum of all human knowledge*

Daniel Mietchen • Dario Taraborelli  
Finn Årup Nielsen • Andra Waagmeester

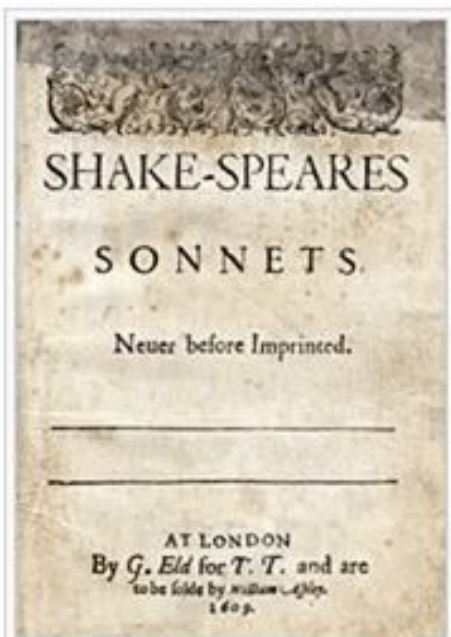
Wikimania 2017 • Montreal, 12 August 2017

\*  
**CITATION  
NEEDED!**



SCIENCE  
neurons  
not  
  
  
MORONS  
TANK-UP.  
The people that put

**SCIENCE IS REAL**  
\* BUT NEEDS TO BE  
DECEIVED  
AMERICAN INTELLECT  
CULTURE  
CULTURE



Title page from 1609  
edition of *Shake-Speares  
Sonnets*.

Published in 1609, the *Sonnets* were the last of Shakespeare's non-dramatic works to be published. The sequence of the 154 sonnets was composed, but evidence suggests that Shakespeare wrote sonnets in a different order.<sup>[132]</sup> Even before the two unauthorised sonnets appeared in *The Passionate Pilgrim* in 1599, Shakespeare's "sugred Sonnets among his private friends".<sup>[133]</sup> Few analysts believe that the 1609 sequence was the intended sequence.<sup>[134]</sup> He seems to have planned two contrasting series: one about unrequited love for a woman of dark complexion (the "dark lady"), and one about conflicted love for a fair young man (the "fair youth"). It is unclear whether they represent real individuals, or if the authorial "I" who addresses them represents Shakespeare himself. With the sonnets "Shakespeare unlocked his heart".<sup>[135]</sup>

The 1609 edition was dedicated to a "Mr. W.H.", credited as "the only begetter" of the poems. It is not known whether this was written by Shakespeare himself or by the publisher, Thomas Thorpe, whose initials appear at the foot of the dedication page; nor is it known who Mr. W.H. was, despite numerous theories, or whether Shakespeare even authorised the publication.<sup>[136]</sup> Critics praise the *Sonnets* as a profound meditation on the nature of love, sexual passion, procreation, death, and time.<sup>[137]</sup>

 Clear



On March 20, 2017, FBI director James Comey testified to the [House Intelligence Committee](#) that the FBI has been conducting an investigation into Russian interference since July 2016, including possible coordination between associates of Trump and Russia.<sup>[25][26]</sup> In an effort to curtail the investigation, [Trump dismissed Comey](#) as head of the FBI on May 9, 2017.<sup>[27]</sup> In a memo written by James Comey to end the investigation into Mike Flynn..<sup>[28][29][30]</sup> On May 17, 2017, [Deputy Attorney General Rod Rosenstein](#) appointed a special counsel in its investigation.<sup>[31]</sup> The White House has expressed interest in using legal laws to slow and block parts of the investigation, stopping the investigation on [Jared Kushner](#) and [Paul Manafort](#).<sup>[32]</sup>

## Russian involvement

---

### Vladimir Putin involvement

We assess Russian President Vladimir Putin ordered an influence campaign in 2016 aimed at the US presidential election. Russia's goals were to undermine public faith in the US democratic process, denigrate Secretary Clinton, and harm her electability and potential presidency. We further assess Putin and the Russian Government developed a clear preference for President-elect Trump. We have high confidence in these judgments.<sup>[4]</sup>

This assessment<sup>[4]</sup> was published in public, non-classified form in January 2017 by the Office of the Director of National Intelligence, representing the work of the [Federal Bureau of Investigation](#) (FBI), the [Central Intelligence Agency](#) (CIA), and the [National Security Agency](#) (NSA). The FBI and CIA gave the assessment with high confidence and the NSA with moderate confidence.





fake news solutions



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Nov 29, 2016 - If publishing **fake news** was punishable with bans on Facebook then it ... of trying to think up **solutions** to the problem, starting with a rambling ...



## Hurricane Kirk

On August 22, the National Hurricane Center noted a strong tropical wave moving off the coast of Africa, and began monitoring it for further development.<sup>[117]</sup> The wave traveled west-northwestward into the Central Atlantic while slowly becoming more organized. By August 28th, it finally gained sufficient organization to be classified as a tropical depression by the National Hurricane Center.<sup>[118]</sup> Later that evening, a satellite pass determined that the depression had strengthened into a tropical storm, and was given the name Kirk at 11 p.m AST (0300 UTC).<sup>[119]</sup> Kirk later strengthened into a hurricane on August 30.<sup>[120]</sup> It later further intensified into a category 2 hurricane on August 31.<sup>[121]</sup> Due to cold SSTs and wind shear, Kirk started to weaken. By September 2nd, Kirk was not expected to "live long and prosper" by the NHC as it began to undergo extratropical transition.<sup>[122]</sup> It became a post-tropical cyclone on September 2 at 5:00 p.m. EDT. Kirk's remnants would hit the UK days later, bringing high winds. <sup>[citation needed]</sup>

### Category 2 hurricane (SSHWS)



<b>Duration</b>	August 28 – September 2
<b>Peak intensity</b>	105 mph (165 km/h) (1-min) 970 mbar (hPa)

Citations for the sum of all human knowledge



# References in Wikipedia

The molecular origins of insulin go at least as far back as the simplest unicellular [[eukaryotes]].<ref name='LeRoith'>{{cite journal | vauthors = LeRoith D, Shiloach J, Heffron R, Rubinovitz C, Tanenbaum R, Roth J | title = Insulin-related material in microbes: similarities and differences from mammalian insulins | journal = Can. J. Biochem. Cell Biol. | volume = 63 | issue = 8 | pages = 839-49 | year = 1985 | pmid = 3933801 | doi = 10.1139/o85-106 }} Apart from animals, insulin-like proteins are also known to exist in Fungi and Protista kingdoms.

2005

## Related projects [\[edit\]](#)

*and historical discussion*

Over the last six years, there have been a number of proposals for [new Wikimedia projects](#) and for technological changes to Mediawiki that would provide spaces for summaries, metadata, and discussion of references cited in Wikipedia articles and in other Wikimedia projects. These proposals include:

- [Wikicite \(metadata proposal\)](#) - a 2005 proposal to build an "expansion" to Mediawiki that would store and track bibliographic information for citations used in Wikipedia articles
- [Wikicat](#), [Wikicite \(2006 proposal\)](#), and [WikiProject Wikicite](#) - a series of related [new project proposals](#) based on the earlier [Wikicite metadata proposal](#)
- [Wikitextrose](#), a model for capturing citations as they are made on other Projects, and for recording the Type of citations [evidentiary, supporting, refuting, &c], intended for use with the above projects.
- [WikiScholar](#) - a [new project proposal](#) for a [Semantic Mediawiki](#) [↗](#) based bibliography

Outside of Wikimedia, [AcaWiki](#) [↗](#) is an active non-Wikimedia CC BY-licensed wiki that hosts summaries of scholarly articles along with metadata on scholarly works. AcaWiki current hosts about 800 summaries from over 100 contributors.

Other related Wikimedia projects whose goals would be served by a new project proving information citations include:

- [Research:Oral Citations](#) - a research project offering a rough proposal for building spaces to discuss oral citations in Wikipedia articles
- ['Fact and Reference Check' \(en:wp\)](#)



[https://meta.wikimedia.org/wiki/Wikicite\\_\(pre-Wikidata\)](https://meta.wikimedia.org/wiki/Wikicite_(pre-Wikidata))

2017



Vision  
Technology  
Community  
Scale  
Licensing  
Independence



Imagine a world in which  
everyone can freely share in  
the sum of all knowledge.

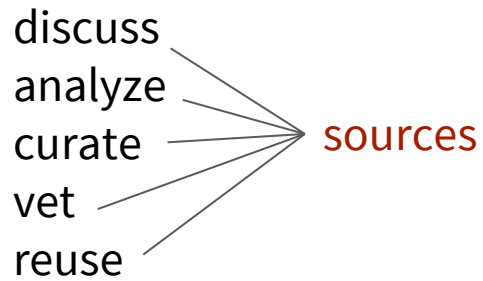
Imagine a world in which  
~~everything~~ can freely share in  
the sum of all **structured** knowledge.



Build a structured repository of sources  
to serve as a foundation of free knowledge



# { } wikicite



all statements citing a *New York Times* article

most popular journals cited by statements of any item that is a subclass of *economics*

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are there gaps in citation quality that should be addressed?

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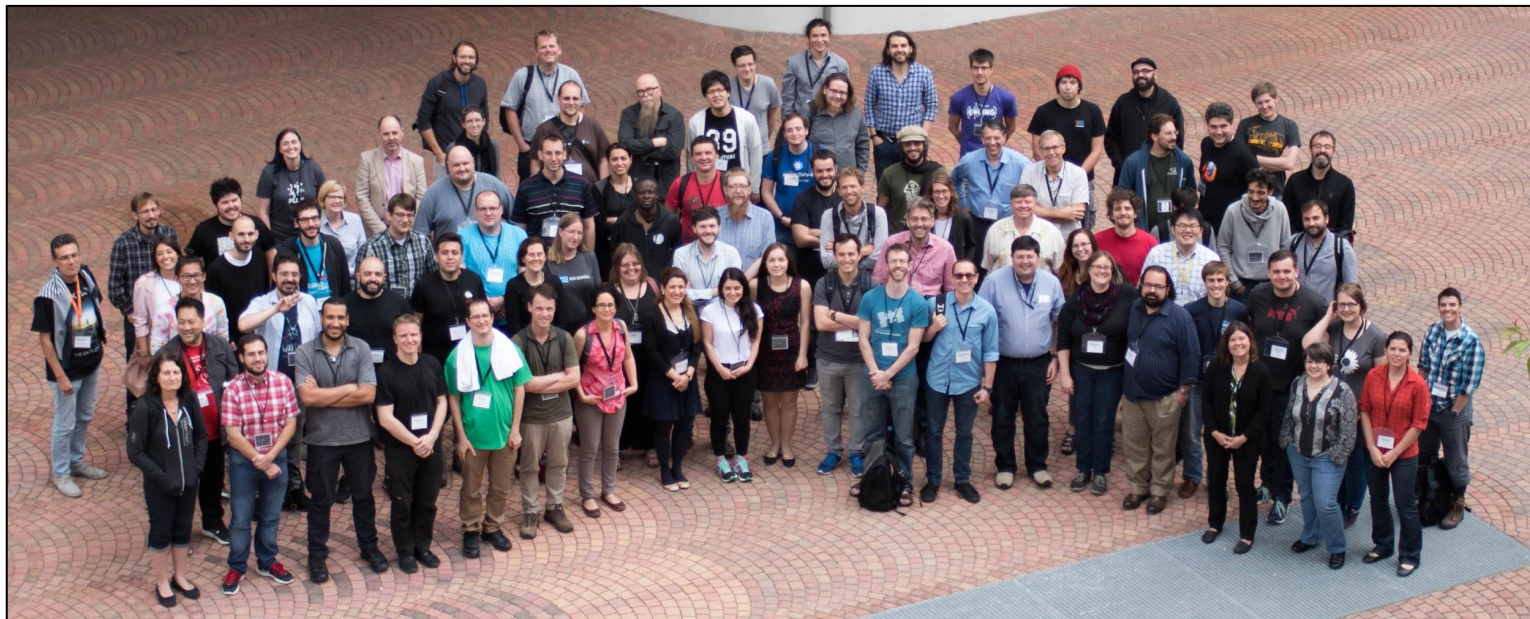
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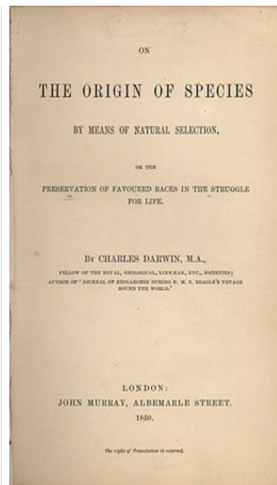
On the origin of species by means of natural selection, or, The preservation of favoured races in the struggle for life | The origin of species | " On the Origin of Species "

book by Charles Darwin

**instance of:** On the origin of species is a(n) [academic work](#), [book](#)

Statements		
Own statements	From related entities	
<b><a href="#">publisher</a></b>	<a href="#">John Murray</a> (English publisher)	>
<b><a href="#">author</a></b>	<a href="#">Charles Darwin</a> (British naturalist, author of "On the origin of species, by means of natural selection")	
<b><a href="#">number of pages</a></b>	502	>
<b><a href="#">genre</a></b>	<a href="#">scientific literature</a>	>
	<a href="#">biology</a> (study of life)	>
<b><a href="#">original language of work</a></b>	<a href="#">English</a> (West Germanic language originating in England)	>
<b><a href="#">edition(s)</a></b>	<a href="#">On the Origin of Species (1859)</a> (1st edition)	>
	<a href="#">The Origin of Species (1872)</a>	>
	<a href="#">Q24073728</a> language of work or name : <a href="#">Russian</a> (Slavic language)	>
<b><a href="#">publication date</a></b>	1859-11-24	>
<b><a href="#">title</a></b>	On the Origin of Species by Means of Natural Selection, or the Preservation of Favoured Races in the Struggle for Life [en]	>
<b><a href="#">language of work or name</a></b>	<a href="#">English</a> (West Germanic language originating in England)	>
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# Usage of some key bibliographic properties

author (P50)	<a href="#"><u>482,205</u></a>
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author name string (P2093)	<a href="#"><u>17,180,618</u></a>
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title (P1476)	
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DOI (P356) <i>often used for journal articles</i>	<a href="#"><u>2,926,348</u></a>
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main subject (P921)	<a href="#"><u>386,487</u></a>
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5. <sup>^</sup> [Penicillin at the Free Dictionary](#)<sup>↗</sup>
6. <sup>^</sup> Garrod, L. P. (1960). "Relative Antibacterial Activity of Three Penicillins". *British Medical Journal*. **1** (5172): 527–29. doi:10.1136/bmj.1.5172.527<sup>↗</sup>.
7. <sup>^</sup> Garrod, L. P. (1960). "The Relative Antibacterial Activity of Four Penicillins"<sup>↗</sup>. *British Medical Journal*. **2** (5214): 1695–6. doi:10.1136/bmj.2.5214.1695<sup>↗</sup>. PMC 2098302<sup>↗</sup>. PMID 13703756<sup>↗</sup>.
8. <sup>^</sup> ["Penicillin G and Penicillin V"](#)<sup>↗</sup>. *livertox.nih.gov*. Retrieved 2016-09-25.
9. <sup>^</sup> ["Penicillin \(Benzylpenicillin, Penicillin G, Bicillin C-R/L-A, Pfizerpen, Wycellin\)"](#)<sup>↗</sup>. *The Antimicrobial Index*. Knowledgebase. Retrieved 4 March 2014.
10. <sup>^</sup> ["Penicillin G sodium salt Susceptibility and Resistance Data"](#)<sup>↗</sup>  (PDF). TOKU-E. Retrieved 4 March 2014.
11. <sup>^</sup> <sup>*a*</sup> <sup>*b*</sup> <sup>*c*</sup> Rossi S, ed. (2006). *Australian Medicines Handbook*. Adelaide: Australian Medicines Handbook. ISBN 0-9757919-2-3.

# Things being cited

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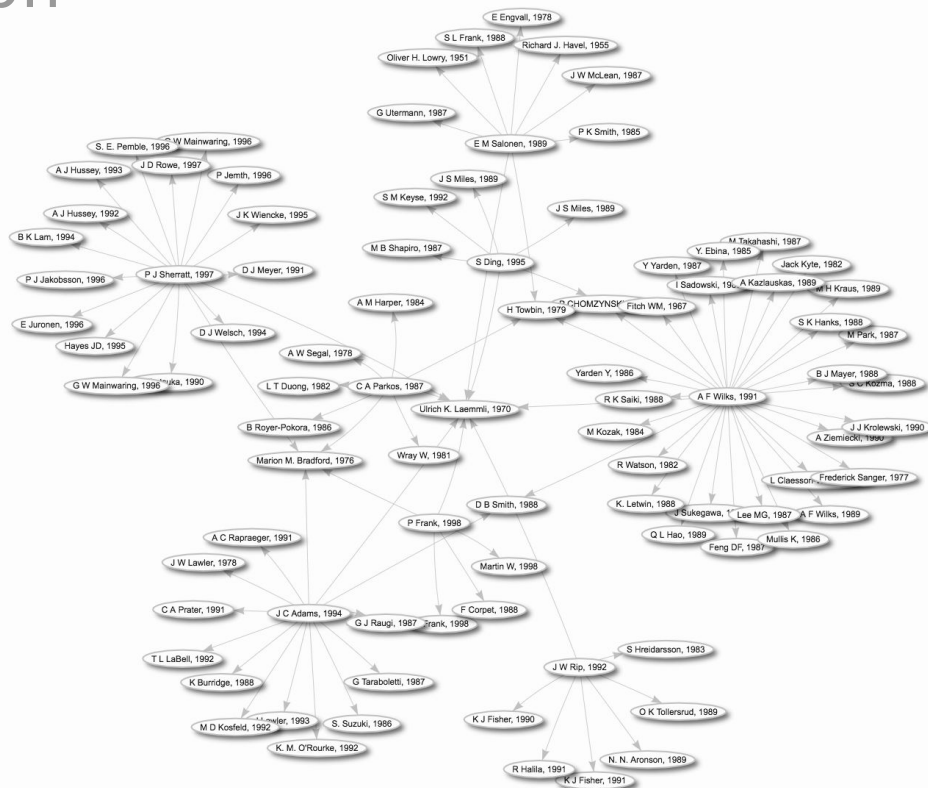
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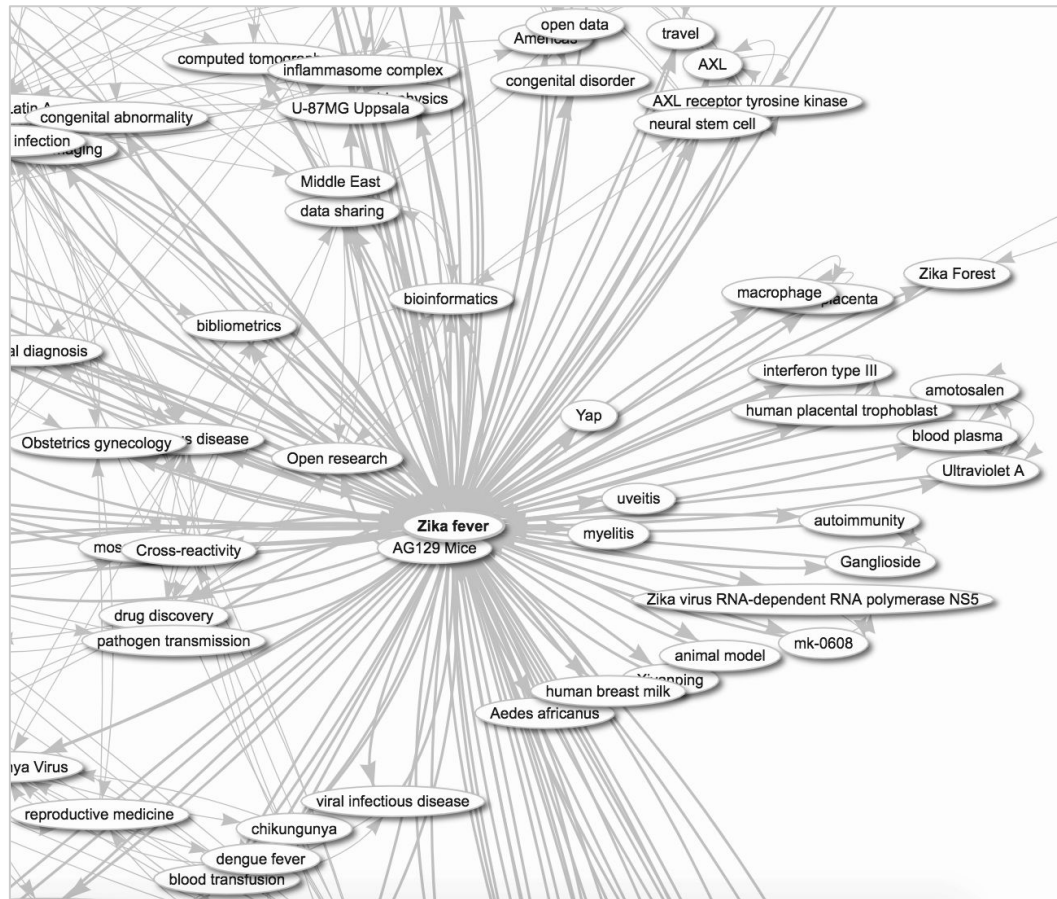
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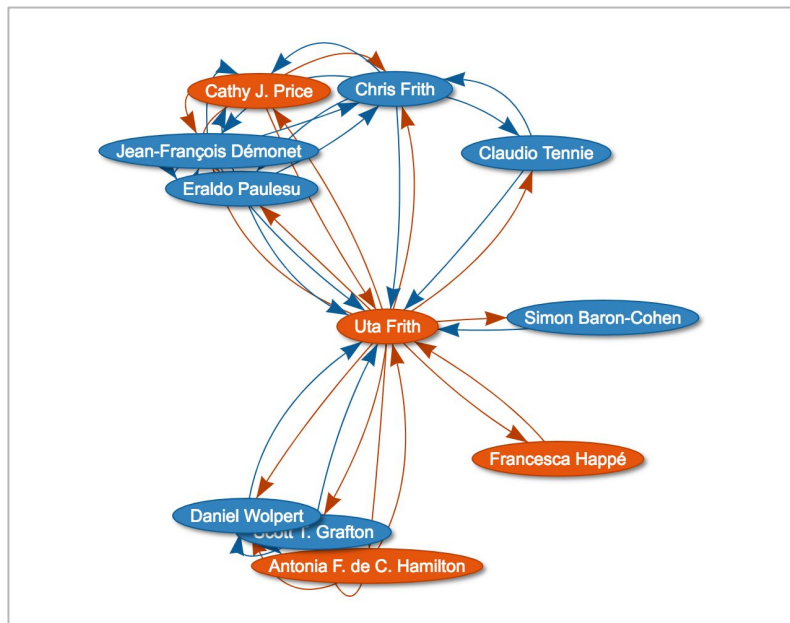
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corpus on Zika virus  
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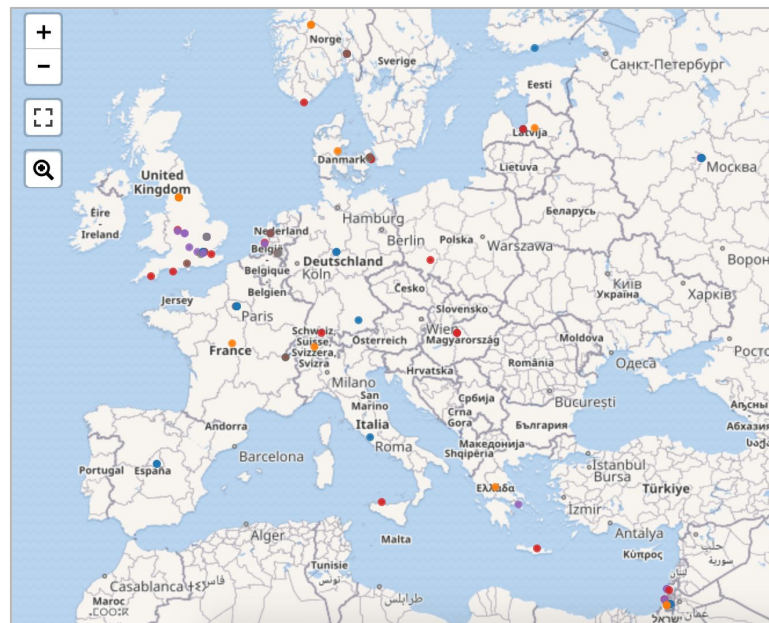
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an open source, Wikidata-driven **scholarly profile application**



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<https://tools.wmflabs.org/scholia/author/Q8219>



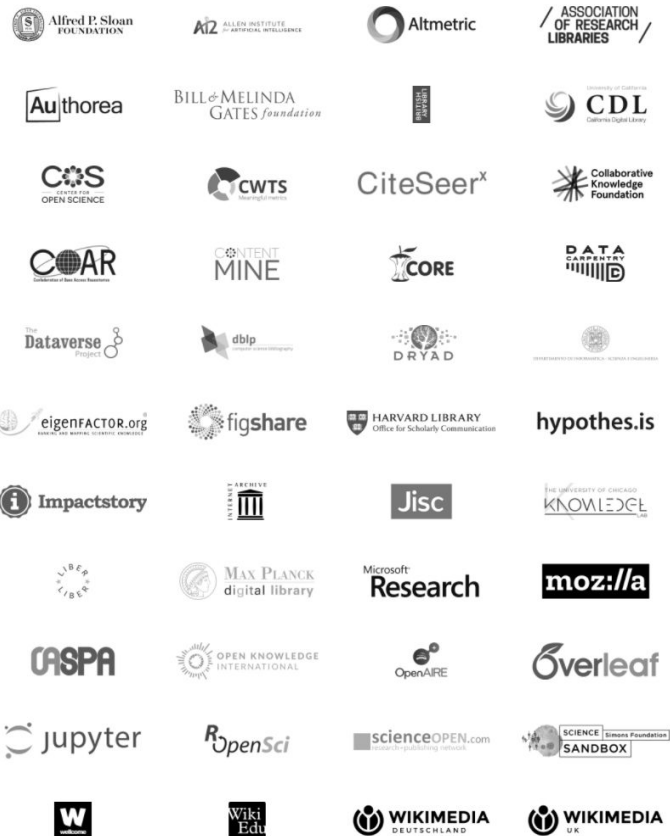
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# Outreach

over **15 talks and keynotes** at national and international conferences, including:

ELAG 2016 • Wikimania 2016 • VIVO 2016 • COASP 2016 • NIH Data Science lecture series • Crossref LIVE 2016 • DLF 2016 • OpenCon 2016 • Convegno delle Stelline 2017 • OER 2017 • ElixirCONF 2017 • the 2017 European GLAMwiki Coordinators meeting • AAAS 2017



# Technical collaborations



# Funding

Seven funders and organizations supporting the initiative



Alfred P. Sloan  
FOUNDATION



GORDON AND BETTY  
**MOORE**  
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# A community



# Challenges

1. Define every publication type

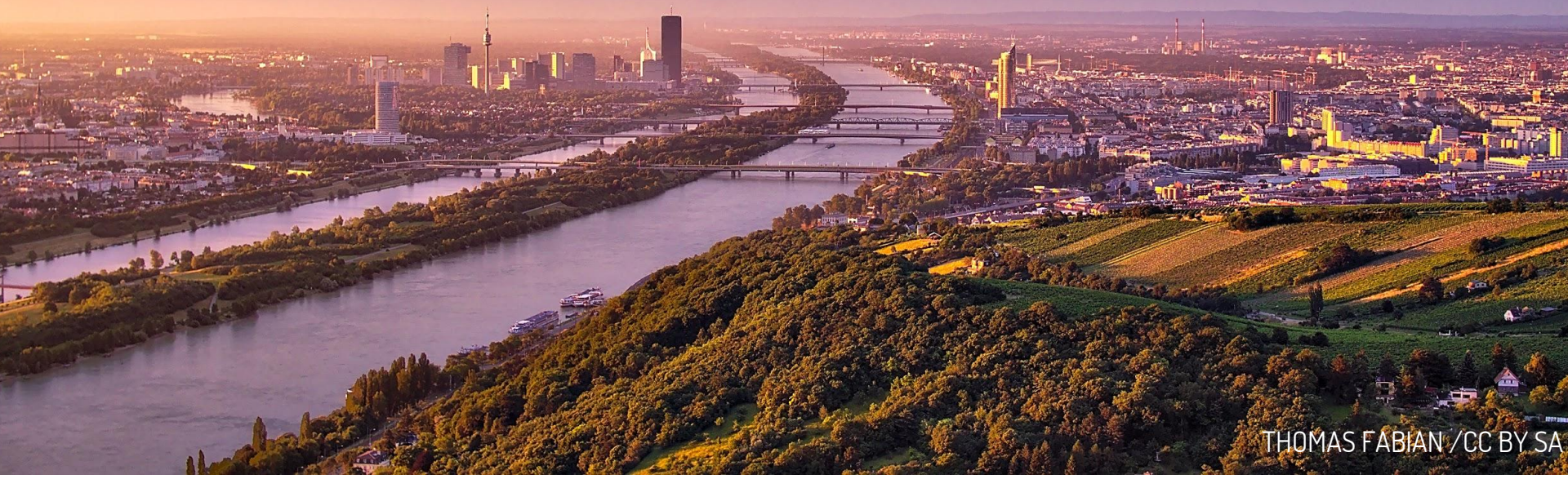
## 2. Content

3. Understand how Wikidata and other Wikimedia projects can work together



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# Thank you

D. Mietchen, D. Taraborelli, F. A. Nielsen, A. Waagmeester (2017) WikiCite: Citations needed for the sum of all human knowledge. *Wikimania '17*. [doi.org/10.6084/m9.figshare.5306122](https://doi.org/10.6084/m9.figshare.5306122)

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