

Open Knowledge with Wikipedia and Wikidata

Open Access Week 2019 @uOttawa Library

Yoo Young Lee
Web and Digital Initiatives Librarian
yooyoung.lee@uottawa.ca
[@yooylee](#)



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OCTOBER
21-27

OPEN ACCESS WEEK 2019

¿ABIERTO PARA QUIÉN?

EQUIDAD EN EL CONOCIMIENTO ABIERTO

मुक्त प्रवेश किसके लिए खुला?

खुले ज्ञान में समानता

OPEN FOR WHOM?

EQUITY IN OPEN KNOWLEDGE

در لمن؟ الإنصاف في المعرفة المفتوحة

OUVERT POUR QUI?

ÉQUITÉ DANS LE SAVOIR OUVERT

Concepts

- Open knowledge: “free to use, reuse and redistribute without legal, social or technological restriction” ([Open knowledge](#))
- Wikipedia: “multilingual free online encyclopedia created and maintained as an open collaboration project” ([Wikipedia](#))
- Wikidata: “collaboratively free multilingual knowledge base” ([Wikidata](#))

Why contribution to Wikipedia and Wikidata?

- Wikipedia is one of the top 10 most visited websites globally ([SimilarWeb](#))
- Make our data open to open knowledge ecosystems so that other people or applications can reuse
 - “Creating original metadata that is exclusively contained in local systems doesn’t make sense in a global knowledge ecosystem” by Stacy Allison-Cassin, [ARL Task Force on Wikimedia and Linked Open Data](#)
- “Female scientists are still less recognized on Wikipedia than male scientists across all levels of scientific achievement.” (Schellekens, Holstege, & Yasseri, 2019)
- According to [Denezh](#), only ~21% of Canadian represented in Wikidata are female.

How to contribute?

- Wikipedia: Add more open access reference links to a pay-walled reference link using [OAbot](#)
 - Wikipedia links to hundred of thousands of paywalled sources.
- Wikipedia: Add a reference to make Wikipedia more reliable using Citation Hunt ([EN](#) or [FR](#))

- Wikidata: Create Wikidata entries for Canadian women from [Canadian Archive of Women in STEM](#)
 - More men than women in Wikidata



First activity

- Hope that you already created your own account :)
 - If not, [instruction](#) on how to create an account.

- Add your Wikipedia user name under Attendees on [our event page](#)
 - Syntax: `[[User:your_user_name|your_user_name]]` (for example, `[[User:Yooylee_30|Yooylee_30]]`)

OAbot

- “Tool to easily edit articles to make academic citations link open access publications”

- [Live Demo](#)
 - Login with your Wikipedia account
 - Article
 - Copyright guidance
 - URL preview (download from zenodo)
 - Suggestions or search

Alternative: #1Lib1Ref

- Add one reference to Wikipedia!
 - “Any citation to a reliable source is a benefit to Wikipedia readers worldwide”
- Find an article that needs a citation using Citation Hunt ([EN](#) or [FR](#))
- Find a reliable source that can support that article
- Add a citation using Wikipedia Style
- Add the project hashtag #1Lib1Ref in the Wikipedia Edit Summary

Second activity

- Add one open access reference link using [OAbot](#)
- Add one reference to Wikipedia using Citation Hunt ([EN](#) or [FR](#))

Wikidata

The image shows a Wikidata item page for Marie Curie (Q7186) with several annotations:

- label:** Points to the main title "Marie Curie (Q7186)".
- description:** Points to the subtitle "Polish-French physicist and chemist" and the list of aliases "Maria Skłodowska-Curie | Maria Salomea Skłodowska | Madame Curie".
- property:** Points to the "award received" property label.
- rank:** Points to the "rank" column in the statements table.
- statement group:** Points to the entire "Statements" section.
- value:** Points to the "Nobel Prize in Physics" value.
- qualifiers:** Points to the "point in time" and "together with" qualifiers for the Nobel Prize.
- opened references:** Points to the expanded reference for the Nobel Prize, showing details like "reference URL", "retrieved", "publisher", and "title".
- collapsed reference:** Points to the collapsed reference for the Willard Gibbs Award, showing only "1 reference".

item	property	value
Marie Curie	field of work	chemistry
Q7186	P101	Q2329

Resource:

- [Wikidata in brief](#)

Applications

- [Scholia](#)
- [Science Stories](#)
- [Art Browser](#)
- [Crotos](#)

Wikidata: example

Statements for Women

Biography/Administrative History:

Monique Frize, née Aubry (1942 -), is a Canadian researcher and biomedical engineer. She was the first woman to graduate with a Bachelor of Applied Science (Electrical Engineering) from University of Ottawa in 1966. She received an Athlone Fellowship and completed a Master's in Philosophy in Electrical Engineering (Engineering in Medicine) at the Imperial College of Science and Technology in London (UK), a Master's of Business Administration at the University of Moncton, and a Doctorate from Erasmus Universiteit in Rotterdam. Monique Frize worked as a clinical engineer for 18 years, holding significant chairs at various universities in Canada. She is a founding member of International Network of Women Engineers and Scientists (INWES) and was its president between 2002 and 2008. As a biomedical engineer, Monique Frize is knowledgeable in medical instruments and decision support systems. She developed a software program to predict complications in premature babies and perfected a technique that uses an infrared camera to detect the presence of arthritis. Throughout her career, she has been active in promoting women in leadership roles in science and engineering. As a role model for women engineers, she taught, conducted research, and lead campaigns to encourage young women to pursue careers in engineering. She is the author of more than 200 scientific papers in peer reviewed journals and proceedings. She has published several books such as The Bold and the Brave: A history of women in science and engineering (2009), Laura Bassi and Science in 18th Century Europe (2013), Ethics for Bioengineers (2011), and Health Care Engineering Parts I and II (2013). She has received many honours and awards including honorary doctorates from several Canadian Universities. She was inducted as an Officer of the Order of Canada in 1993.

Date(s): 1965-2016
Extent: 18.7 m of textual records, 58 photographs, 8 posters, 1 scrapbook, 39 videocassettes, 28 audio cassettes, 26 computer disks, 22 objects
Province: ON
Archives: [University of Ottawa Archives and Special Collections](#)
Hosting Institution: University of Ottawa
Collection Contact: arcs@uottawa.ca

instance of (P31)	human (Q5)
sex or gender (P21)	female (Q6581072)
country of citizenship (P27)	Canada (Q16)
given name (P735)	Monique (Q1524975)
family name (P734)	Frize (Q61729478)
date of birth (P569)	...
place of birth (P19)	Montreal (Q340)
occupation (P106)	biomedical engineer (Q19902880)

Wikidata: example

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date of death (P570)	...
place of death (P20)	...
employer (P108)	University of Ottawa (Q627969)
position held (P39)	professor (Q121594)
award received (P166)	Officer of the Order of Canada (Q15278116)
educated at (P69)	Imperial College London (Q189022)
archives at (P485)	University of Ottawa Library (Q57942111) described at URL statement is subject of

Third activity

- Create an entry for [Canadian women in STEM](#) with the following properties
 - Instance of (P31)
 - Sex of gender (P21)
 - Country of citizenship (P27)
 - Given name (P735)
 - Family name (P734)
 - Date of birth (P569) - if available
 - Place of birth (P19) - if available
 - Occupation (P106)
 - Date of death (P570) - if available
 - Place of death (P20) - if available
 - Educated at (P69) - if available
 - Archives at (P485)
 - VIAF ID (P214) - if available

Examples:

- [Monique Frize](#) (Q40138)
- [Sara Meltzer](#) (Q70220076)
- [Sylvia Fedoruk](#) (Q457688)
- [Jessie Gray](#) (Q56226162)
- [Danielle Ouellet](#) (Q55738761)
- [Elinor Black](#) (Q66545446)

Happy Open Access Week