



Science Stories

Multimedia Biographies Powered by Wikidata

[Kat Thornton](#)

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Hack4OpenGLAM

Collaboration

Our Collaboration

- [Kenneth Seals-Nutt](#) is the software engineer who built Science Stories
- We began collaborating on Science Stories in October, 2017

Project Motivation



When Will the Gender Gap in Science Disappear?

A new study estimates that it will take 16 years for women and men to publish papers in equal numbers. For physics, it will take 258.

ED YONG | APR 19, 2018 | SCIENCE

Figure 1: [Link to article in The Atlantic from April 19, 2018](#)

“In physics, the gender gap might take 258 years to fully close.”

Gender Gap in Wikidata

Global Gender Gap



Figure 2: Source:

<https://denelezh.dicare.org/gender-gap.php>



Figure 3: “(left to right):—Miss Yvette Fay Francis and Miss Doris Louise Wethers, both of New York City, are students at the Yale University School of Medicine.” Yale events and activities photographs, 1852-2003 (inclusive). Manuscripts & Archives, Yale University.

Open Technologies and Cultural Heritage

- Inspectable, free-software infrastructure [3]
- First public read-write GUI for the semantic web [1, 2]
- Content license is [CC0](#)
- Machine-actionable linked open data
- [FAIR data](#)

Creating a Front-end App

- Reuse data from multiple items
- Present specific views of Wikidata data
- Customize the UI for use cases
- Encourage users to explore your data

- Combine data from Wikidata with materials from institutional collections
- Present Wikimedia Commons material as IIF

- Our institutions have already created documentation for our collection materials
- Opportunities to reuse descriptions and enrich them by combining with LOD

International Image Interoperability Framework

- Open API specifications
- Enables interoperability of digital assets across institutions
- Widely-adopted by cultural heritage institutions



Demo


Going Further

Learn more about Science Stories

- [Science Stories site](#)
- [Hack4OpenGLAM inspiration page](#)
- [Wikidata project space](#)


Thank you!
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