

Wikimedia AI community call

May 16 2024

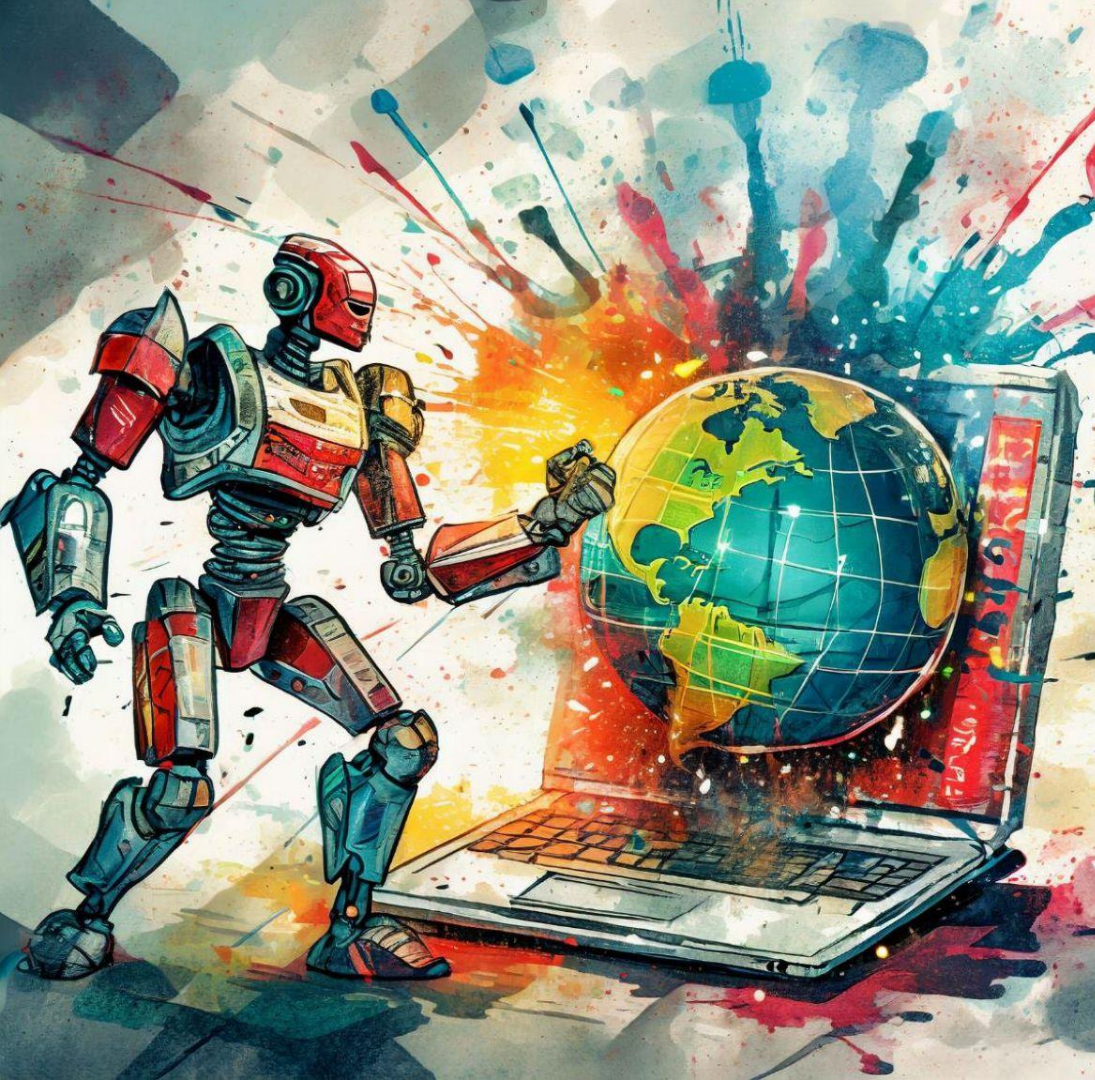
Our plan

- Opening
- **How AI can enrich Wikidata** by Houcemeddine Turki
- **AI activities** by Ilario Valdelli (WM CH)
- **Contributors and Readers** by Chris Albon (WMF)
- **Research and considerations** by Leila Zia (WMF)
- Open floor for discussion
- Closing



AI activities

Speaker: Ilario Valdelli



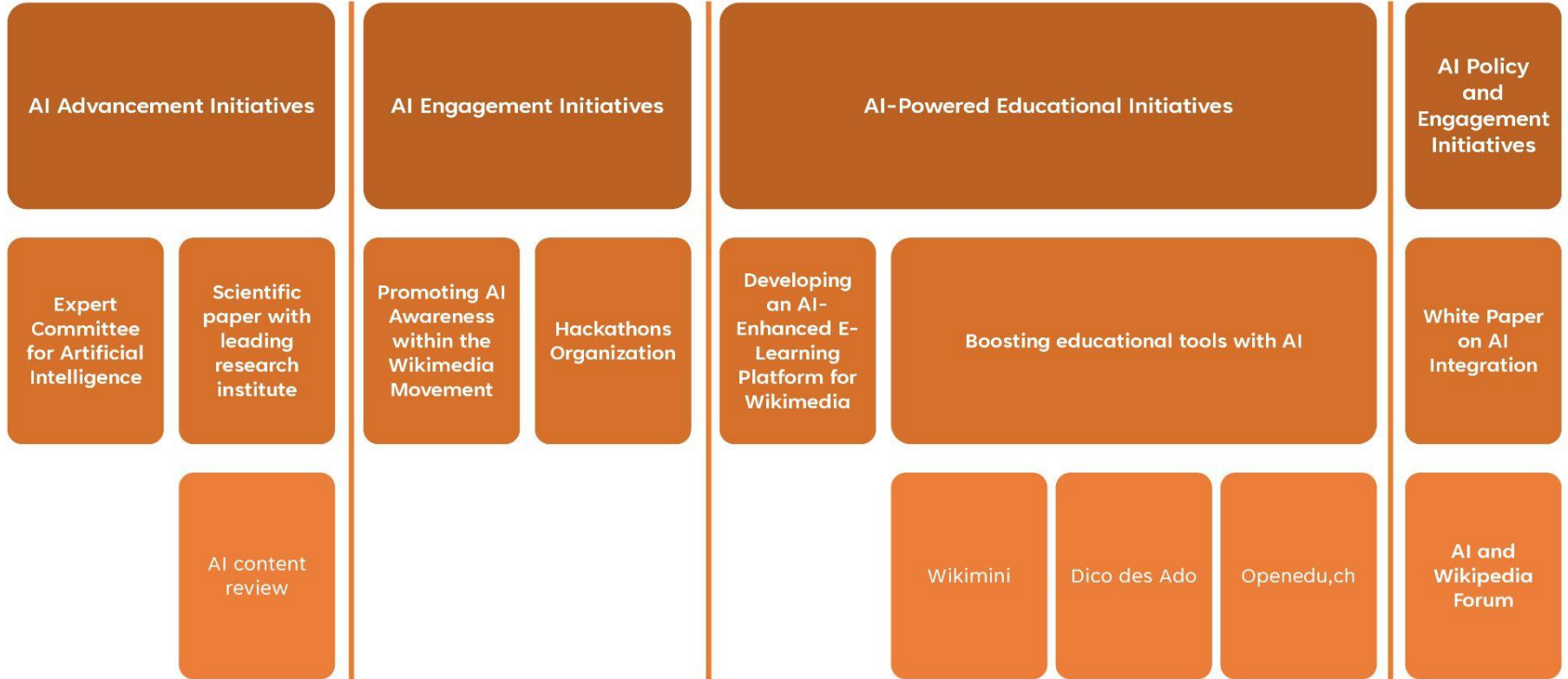
ARTIFICIAL INTELLIGENCE ACTIVITIES

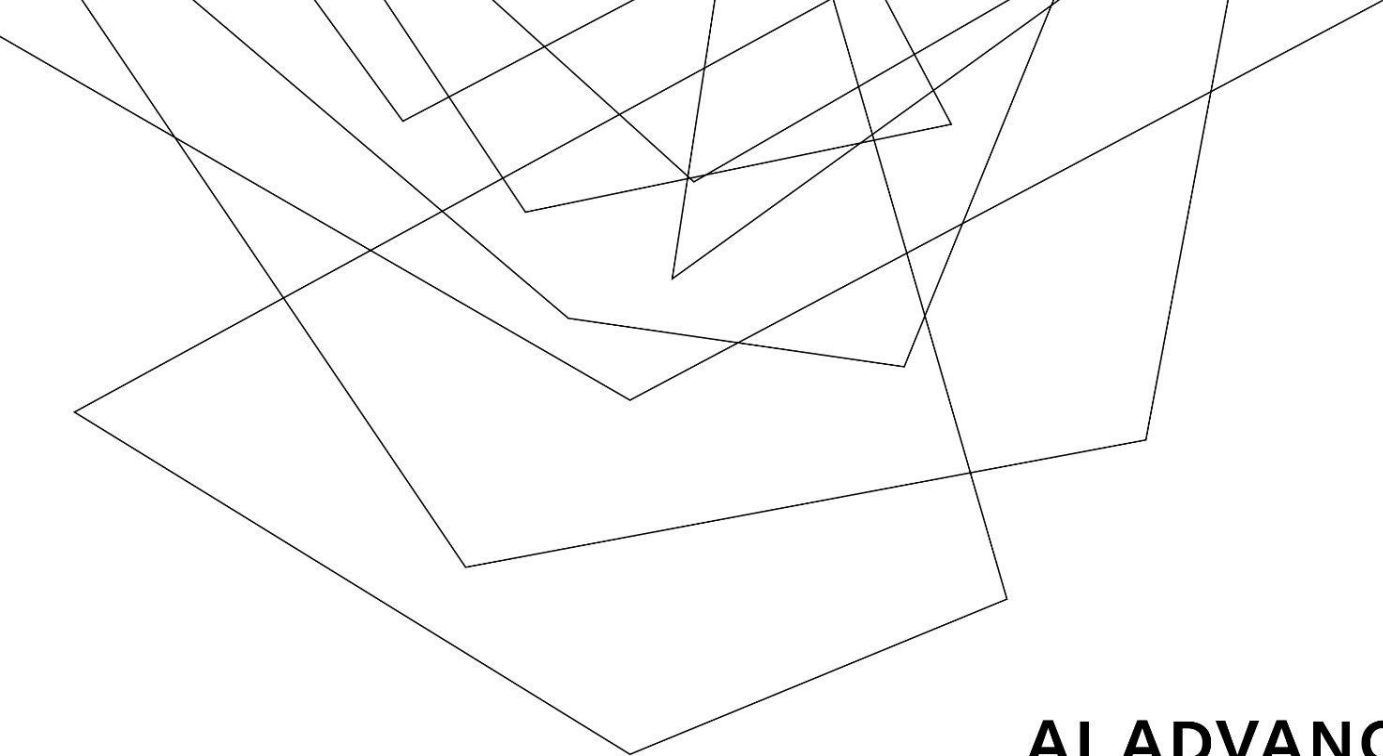
Ilario Valdelli



WIKIMEDIA
CH

MAIN ACTIVITIES





AI ADVANCEMENT INITIATIVES

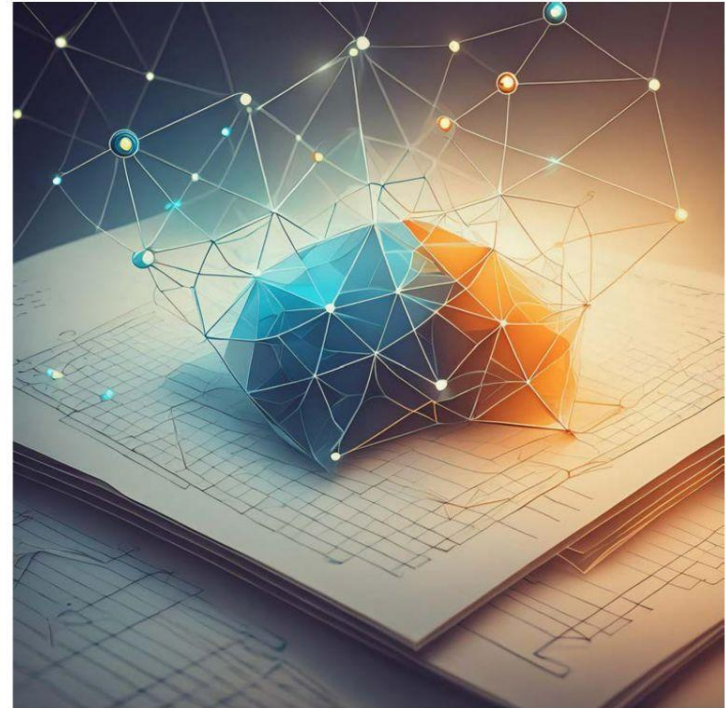
EXPERT COMMITTEE FOR ARTIFICIAL INTELLIGENCE



This initiative aims to create a committee composed of a diverse group of AI experts mainly from Switzerland to oversee the adoption of AI within Wikimedia projects.

SCIENTIFIC PAPER WITH LEADING RESEARCH INSTITUTE

Forge a partnership with a premier research institution to launch an AI initiative aimed at elaborate a scientific paper, incorporating insights from field experts and researchers



AI CONTENT REVIEW



Develop an AI system to automatically verify the accuracy of Wikipedia facts.

This system will also identify critical areas where content is non-neutral, underdeveloped, or potentially misleading.



SWISS AI INITIATIVE



EPFL



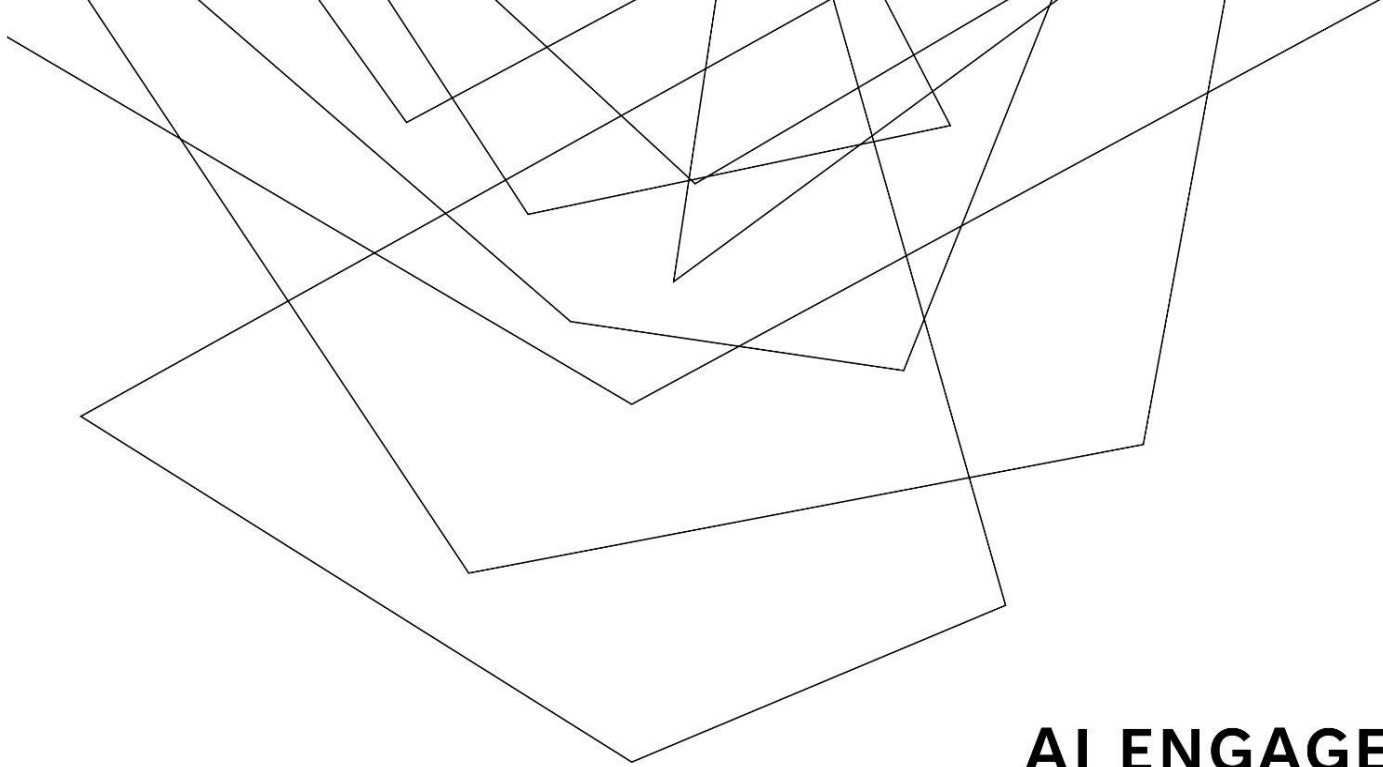
UNIVERSITÉ DE FRIBOURG
UNIVERSITÄT FREIBURG

Hes-so



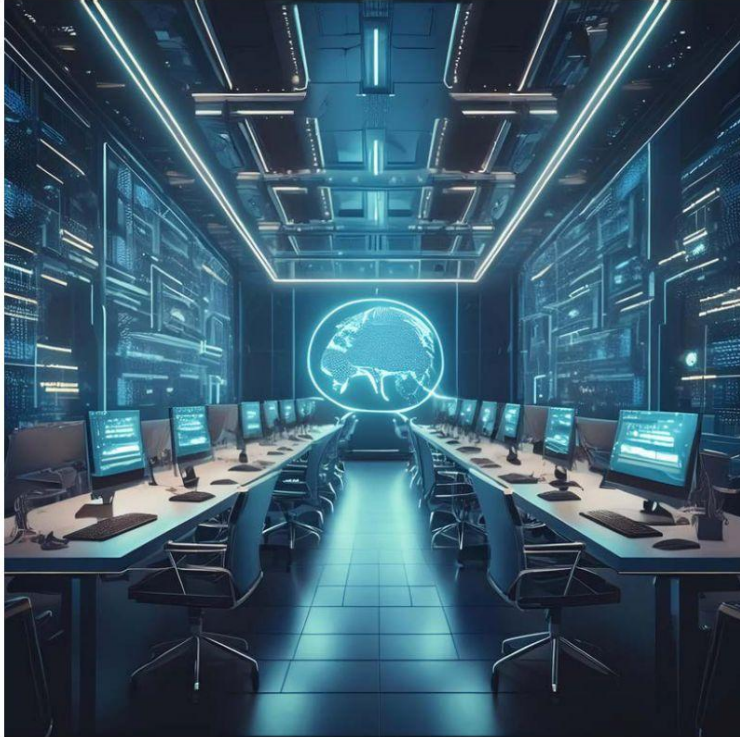
NATIONAL SUPERCOMPUTING CENTER (CSCS)





AI ENGAGEMENT INITIATIVES

HACKATHONS ORGANIZATION



Organize hackathons to integrate AI with Wikimedia projects.

These events bring together developers, data scientists, and Wikimedia enthusiasts to create AI tools that enhance the encyclopaedia's reliability and user experience.

WOMEN++ AND DEPLOY(IMPACT)



[deploy\(impact\)](#)

[Initiatives](#)

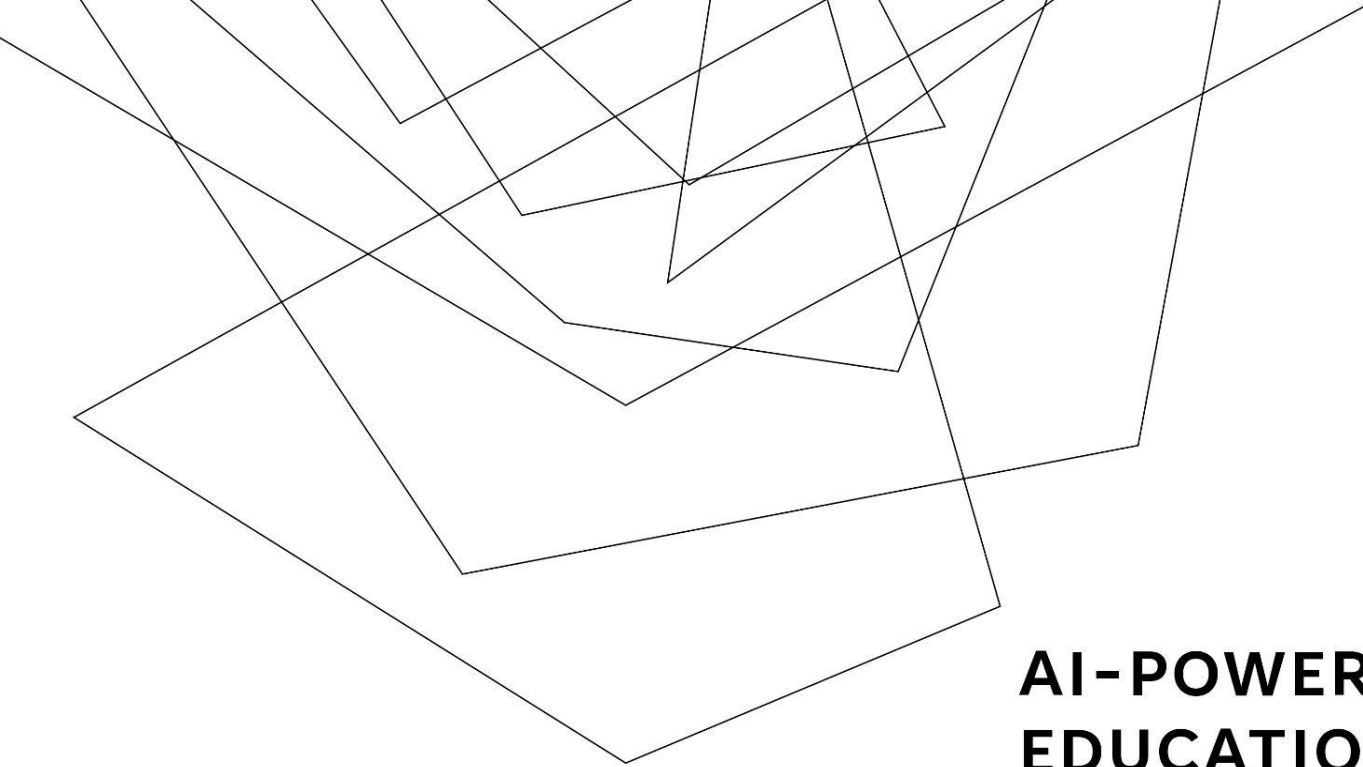
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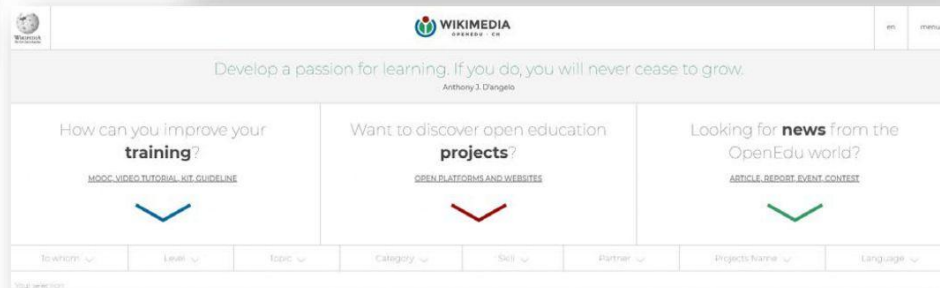
WOMEN++ AND DEPLOY(IMPACT) 2022

- **9 project teams**, with a total of **60+ participants**.
- **29 nationalities** collaborating in distributed agile teams joining **from 16 countries**.
- Participants dedicated an estimated **5'760 volunteering hrs** to developing **9 software solutions** for social good **in 6 weeks**.
- Most participants have never experienced working in a gender-diverse team within the industry. #deployimpact 2022's **rate of female talent is around 76%**.



AI-POWERED EDUCATIONAL INITIATIVES

BOOSTING EDUCATIONAL TOOLS WITH AI

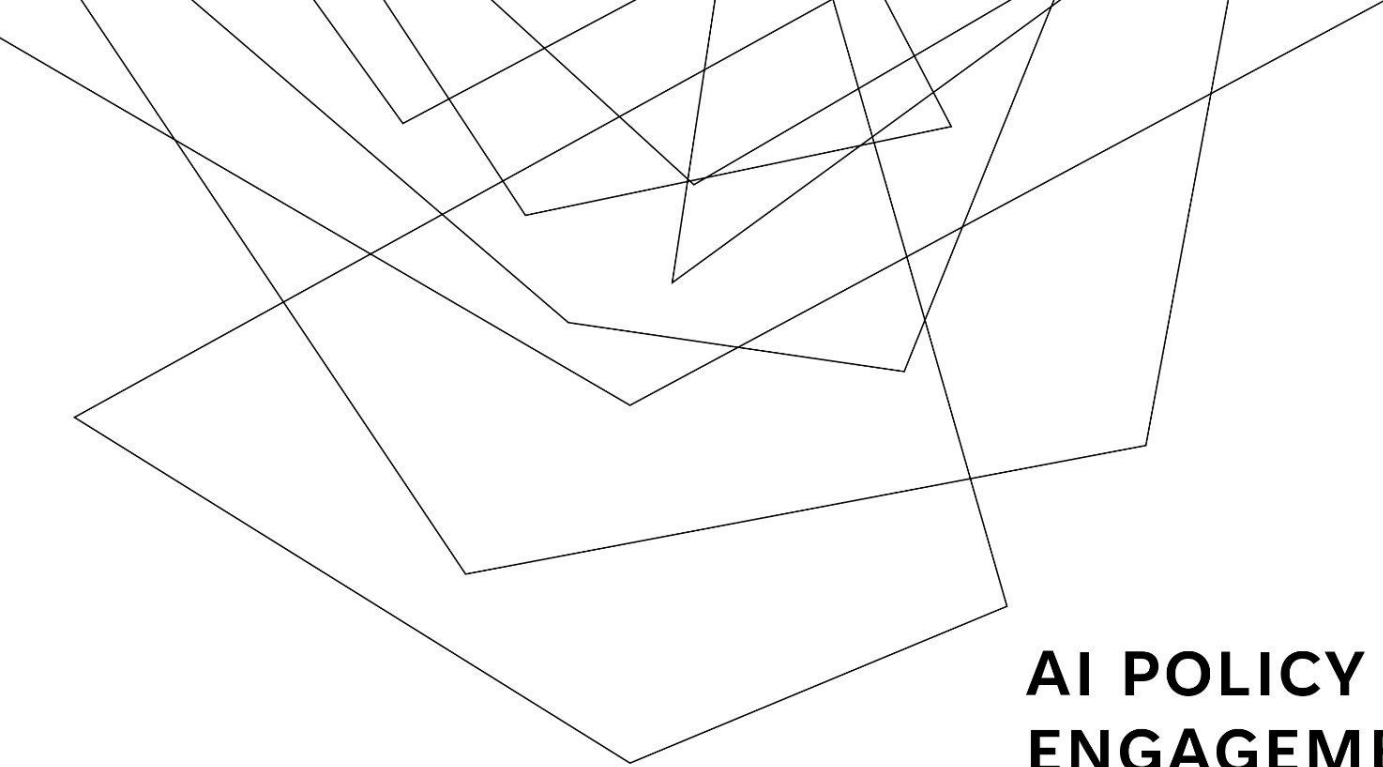


DEVELOPING AN AI-ENHANCED E-LEARNING PLATFORM FOR WIKIMEDIA



Experimentation to re-elaborate existing content about Wikidata training to produce training material in the three Swiss national languages.

Evaluation cost-benefits.



AI POLICY AND ENGAGEMENT INITIATIVES

WHITE PAPER AND FORUM ON AI AND WIKIPEDIA



Convene a symposium with European AI specialists to discuss AI's impact on Wikipedia.

Publish an in-depth white paper that delves into the intricate relationship between artificial intelligence (AI) and Wikimedia projects.

Contributors: potential applications and use of AI to assist with content creation and curation

Speaker: Chris Albon

Add-A-Link

- Add-A-Link suggests edits to new editors:
 - More likely to make a constructive edit
 - More likely to come back and make an edit later
 - More edits in the first two weeks
 - Better edits overall
- Available on almost every wiki right now.
- Rolled out to enwiki [Community Config](#) soon.



✕ AI suggestions  

A Dutch baby pancake, sometimes called a German pancake,^[1] a Bismarck, or a Dutch puff, is a large American popover.^[2]

A Dutch baby pancake is similar to a large Yorkshire pudding.^[2] Compared to a typical pancake, a Dutch baby is always baked in the oven , rather than being fried on both sides on the stove top , it is generally thicker than most pancakes, and it contains no chemical leavening ingredients, such as baking powder.

 1 of 7 AI-suggested links

Text 
oven

Should this link to ___?

 **Oven**
Thermally insulated chamber used for the heating, baking or drying of a substance

Yes No  

Add-An-Image

- Add-An-Image encourages newcomers to add images to articles with no images editors
 - The likelihood that mobile web newcomers make their first article edit (+17.0%)
 - The likelihood that they are retained as newcomers (+24.3%)
 - The number of edits they make during their first two weeks on the wiki (+21.8%)
 - A lower probability of the newcomers' edits to be reverted (-3.3% over baseline).
- Available on [15 wikis](#).



✕ Suggestions mode



Edward Edwards (Royal Navy officer)

Admiral **Edward Edwards** (1742–1815) was a British naval officer best known as the captain of HMS Pandora,¹ the frigate which the Admiralty sent to the South Pacific in pursuit of the *Bounty* mutineers.

Biography

Early years

The fifth of six children, Edward Edwards was born in Water Newton, a village near Peterborough, to

 1 suggested image found



Suggestion reason: Image was found on the same article on Czech, Norwegian, and Hebrew Wikipedia.



[HMS_Pandora.jpg](#) 

HMS Pandora in the act of foundering 29 August 1791

[Read more](#)

Add this image to the start of the article?

Yes

No

[Skip](#)

Automoderator

- Allow moderators to configure automated prevention or reversion of bad edits.
- Similar to ClueBot NG and SeroBOT but for more languages.

Automoderator

What is Automoderator?

Automoderator, an AI-powered bot, scans wikis for potentially harmful reverts, often indicative of vandalism. Its decision to revert an edit is contingent on the community's configuration. Admins have the flexibility to tailor Automoderator's behavior to meet the unique needs of their community. [Learn more](#).

Report a false positive

Think Automoderator made a mistake? [Report it](#) here to our team.

Send us your feedback

The Moderator Tools team wants to hear your thoughts! Reach out to us through [our talk page](#).

Automoderator configuration

Configure Automoderator in ways that match project policies

 [Configure Automoderator](#)



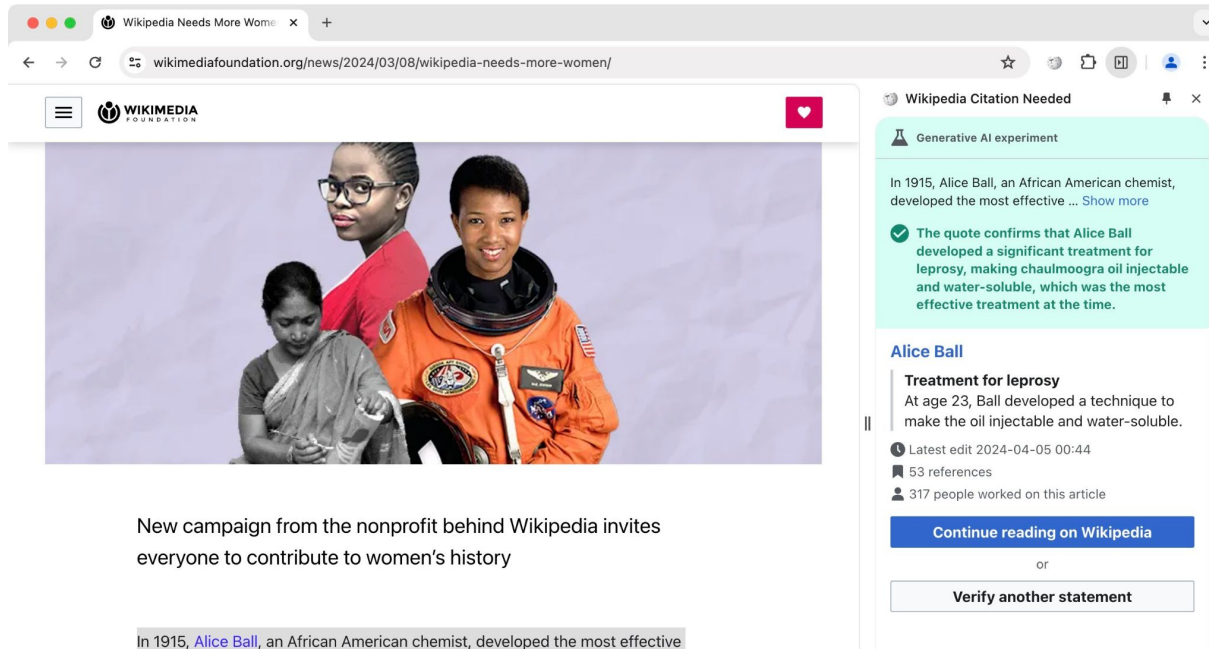
Readers: how AI might be helpful to people wanting to learn from Wikipedia

Speaker: Also Chris Albon

Citation Needed

Try It Now!

- How we can engage people to use Wikipedia to verify information as they browse the web?

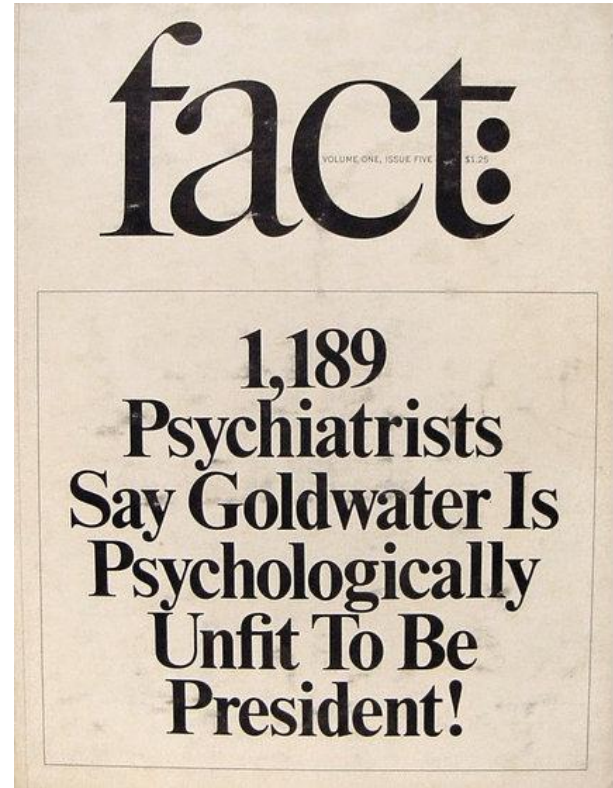


The screenshot shows a browser window with the URL `wikimediafoundation.org/news/2024/03/08/wikipedia-needs-more-women/`. The page features a large image of three women: one in a red shirt, one in a grey sari, and one in an orange astronaut suit. Below the image, a text block reads: "New campaign from the nonprofit behind Wikipedia invites everyone to contribute to women's history". A sidebar on the right displays a "Wikipedia Citation Needed" notification for the article "Alice Ball". The notification includes a green checkmark and states: "The quote confirms that Alice Ball developed a significant treatment for leprosy, making chaulmoogra oil injectable and water-soluble, which was the most effective treatment at the time." Below this, the article title "Alice Ball" is shown, followed by a section titled "Treatment for leprosy" with the text: "At age 23, Ball developed a technique to make the oil injectable and water-soluble." Metadata indicates the latest edit was on 2024-04-05 00:44, with 53 references and 317 people working on the article. At the bottom of the sidebar, there are two buttons: "Continue reading on Wikipedia" and "Verify another statement".



Add A Fact

- How generative AI may be used to help people contribute valuable facts and sources to Wikipedia as they browse the web.
- Building off the Citation Needed experiment.



Credit: [Fact Magazine - The New York Times](#)

**Research: Developing
AI models, insights,
and frameworks;
anchored in our values
and principles**

Speaker: Leila Zia

<https://research.wikimedia.org/>

Values, principles, and policies

(A non-exhaustive list) of values, principles and policies we consider and follow when developing AI models, insights and frameworks:

- *Human agency and Machine-in-the-loop*
- *Inclusive* research methods
- *Openness* (WMF's [Guiding Principles](#) and the [Open Access Policy](#))
- *Independence and transparency* (WMF's [Guiding Principles](#))
- *Human rights* (WMF's [Human Rights Policy](#))
- *Privacy*

The year ahead

A sample of AI research projects in the coming year:

1. Develop a framework and recommend AI models ready to be used in products and features (Miriam Redi; AP code: SDS 1.2)
2. Continue support for Human Rights AI Checklist (Isaac Johnson)
3. Further develop and scale the text summarization and simplification model (Martin Gerlach; AP code: WE 3.1)
4. Tune LLMs to detect content policy or guideline violations (Diego Saez-Trumper; AP code: WE 1.2)

The year ahead (cnt'd)

A sample of AI research projects in the coming year:

5. Develop an ML model for unique device identification for blocking and other applications (Xiao Xiao; AP code: WE 4.2)
6. Develop an ML model to more effectively detect large scale attacks (Xiao and Pablo Aragón; AP code: WE 4.3)
7. Develop a unified machine translation limit and guidance system (Eli Asikin-Garmager; AP code: WE 2.1)
8. Collaborative translation processes (Eli; AP code: WE 2.1)

Learn more

By booking a 1:1 office hour or consultation time
with a member of the Research team:

https://www.mediawiki.org/wiki/Wikimedia_Research/Office_hours#Schedule

Open floor session

Facilitator: Kelsi



Thank you!