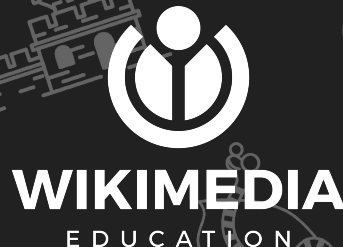


Campaigning for hearing health through Wikimedia and education

Thais Morata- User:TMorata
Amanda Jurno- User:AJurno (WMB),
João Alexandre Peschanski- User:Joalpe



Other team members



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Fernanda Zucki, Universidade Federal de Santa Catarina (UFSC)

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Ana Paula Berberian, Universidade Tuiuti do Paraná (UTP)

Adriana Bender Moreira de Lacerda, Universidade de Montreal/Canadá (UdeM)

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Shelly Chadha, World Health Organization

And other numerous collaborators:

John Sadowski, Adriano Arrigo, Hector Matos,

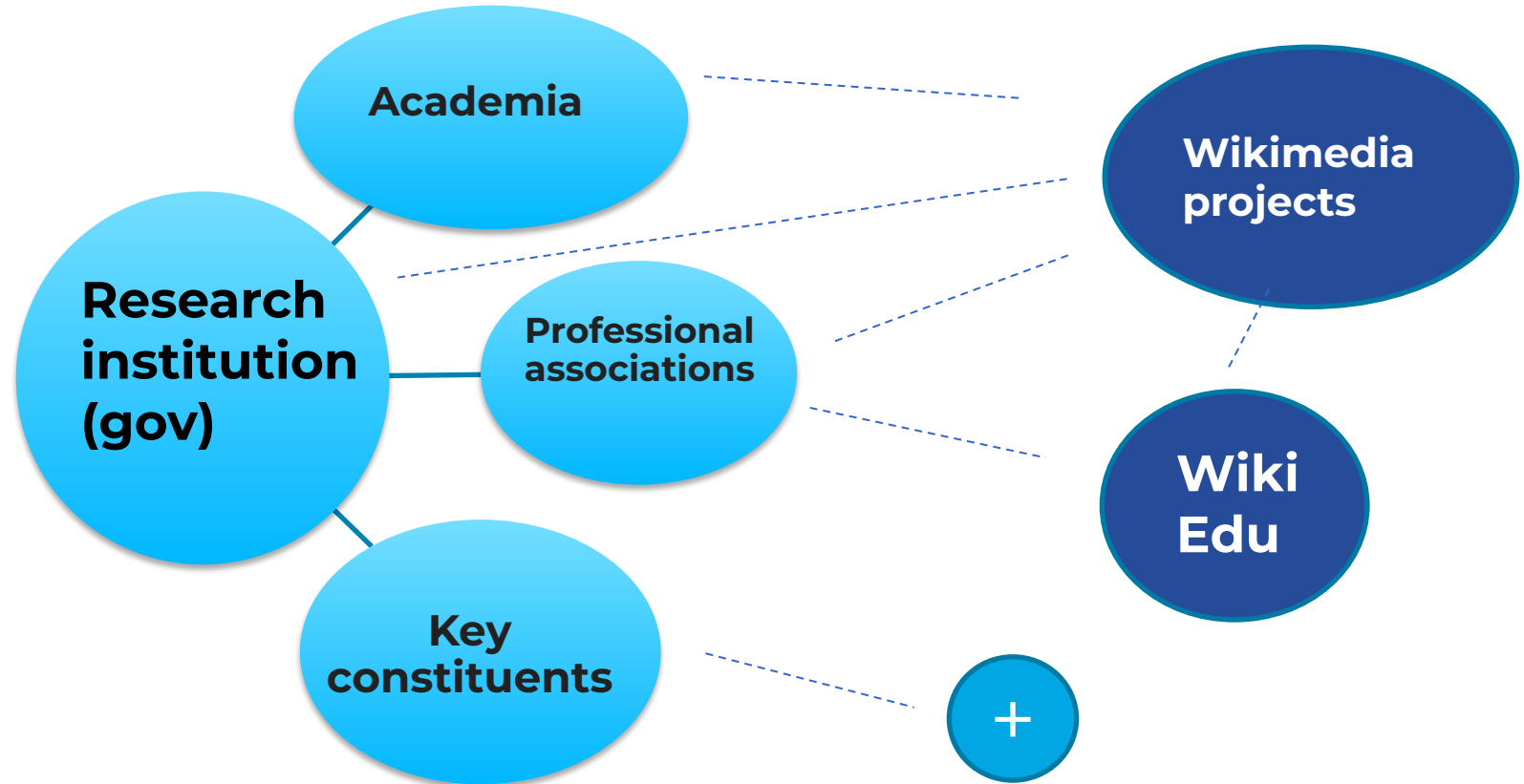
Priscila Cruz, Lucas Belo, Felipe Lima +...



Outline

- History of this multi-component global effort to address a significant public health issue (hearing loss)- impact topic; an international articulation;
- connection with local affiliate - Wiki Movimento Brasil (WMB) and others;
- use of a technical infrastructure that gives us metrics and coordination mechanisms;
- creation of an innovative technological system (the MOOC at Wikiversity);
- project leadership capable of establishing partnerships, obtaining resources and guiding a multidisciplinary team of different academic levels;
- systematic academic documentation;
- dissemination of the work in various environments.

Brief history (2015-2023)



Multi-faceted approach



- Directly improve Wikipedia articles;
- Contribute to strategic planning;
- Recruit partners;
- Coordinate with and train partners to make contributions;
- Connect Wikipedians with partners' resources;
- Follow or create thematic projects;
- Incorporate Wikimedia assignments to coursework or as independent study;
- Organize events (in-house, at conferences, online).

Follow or create thematic projects

Occupational Safety and Health articles by quality and importance							
Quality	Importance						Total
	Top	High	Mid	Low	NA	???	
★ FA		1	2	7			10
★ FL			1				1
⊕ GA		6	14	20		1	41
B	8	34	58	86		13	199
C	19	56	108	232		19	434
Start	23	49	126	569		29	796
Stub	2	8	34	365		15	424
List	3	4	5	61		18	91
Category					302		302
Disambig					1		1
File					3		3
Project					2		2
Template					5		5
NA			1	12	24		37
Other					4		4
Assessed	55	158	349	1,352	341	95	2,350
Unassessed			2	2		361	365
Total	55	158	351	1,354	341	456	2,715
WikiWork factors (?)		ω = 8,939			Ω = 4.69		

Connect with community,
local affiliate

Organize events* (in-house, at conferences)

THEY'RE COMING!!!

3D PRINTING!

SYNTHETIC BIOLOGY!

ROBOYS!

EMERGING TECHNOLOGIES!

LEARN HOW TO PROTECT YOURSELF!

And then write Wikipedia articles about it.

Come to the
Emerging Technologies Edit-a-Thon
sponsored by the U.S. National Institute for Occupational Safety and Health

WikiConference North America ~ Thursday, Oct. 18 ~ 3-5 in Thompson 150B

Wikipedia:Meetup/Cincinnati/NIOSH 2017

Emerging Technologies Edit-a-thon

In honor of National Nanotechnology Day[ⓘ]

Sponsored by the National Institute for Occupational Safety and Health

The workshop will bring together experienced Wikipediaers from across Ohio and Kentucky with scientists at NIOSH's laboratories in Cincinnati. Learn about NIOSH's research on health and safety issues of emerging technologies like nanotechnology and 3D printing from the scientists themselves. Afterwards, we'll work together to improve coverage of workplace health and safety topics on Wikipedia. Lunch will be provided courtesy of Wikimedia District of Columbia[ⓘ]

NIOSH is the leading federal agency conducting research and providing guidance on the effects of engineered nanomaterials on worker health, and methods to control or eliminate exposures. NIOSH's Nanotechnology Research Center[ⓘ] coordinates the nanotechnology-related activities of a diverse group of scientists from across NIOSH's many divisions.

Thursday, October 19, 2017 at noon-4:30 PM

[*Size does not matter]



- Main Page
- Browse
- Recent changes
- Guided tours
- Random
- Help
- Donate

community

- Portal
- Colloquium
- News
- Projects
- Sandbox
- Help desk

Tools

- What links here
- Related changes
- Upload file
- Special pages
- Permanent link
- Page information



Shortcut:
GA

Home

Africa

Americas

Asia

Europe

Oceania

How to edit

According to the [World Report on Hearing](#) produced by the [World Health Organization \(WHO\)](#), more than 1.5 billion people will experience some decline in their hearing capacity during their lifetime, of whom at least 430 million will require hearing care. Moreover, it is suggested that over 80% of this population lives in low and middle-income countries where there is very little access to any audiological services. Hence, there is much work to be done in audiology to bridge this inequality in education and access to services.

Global Audiology is a portal that is aimed to provide an understanding of audiology education and practice around the world. The goal of the information provided in this portal is to facilitate networking among stakeholders in hearing health as well as help promote the development of audiology in settings where fewer resources are available. Developing knowledge about current practice trends is the first step in helping to standardize audiology practice and ultimately improve audiological care, facilitate the standardization of audiology practice, and help with providing better access to audiology services.

Drs. [Vinaya Manchaiah](#) and [Ross Rosser](#) co-developed this project in 2016 and created the website and content with help from volunteers across the globe. However, the Global Audiology initiative was endorsed and since 2019 it is managed by the [International Society of Audiology \(ISA\)](#). The Global Audiology Working Group within the ISA oversees the project. Initially, the content was on its own website. However, the content was moved to Wikiversity pages in 2023 with help from Drs. [Thais Morata](#), [Alexandre Montilha](#), and [Joyce Rodvie Sagun](#). The move was motivated by a desire to provide mechanisms to facilitate input from our communities of interest.

https://en.wikiversity.org/wiki/Global_Audiology

Use of a technical infrastructure that gives us metrics and coordination mechanisms



[Teach](#) [Learn](#) [Connect](#) [News](#) [Impact](#) [About us](#) [Contact us](#)

[Donate](#)

A banner image showing a classroom setting with students in the foreground and a teacher at the front. A white text box is overlaid on the image.

Teach with Wikipedia



[Find Programs](#)

[Training](#)

[Documentation](#)

[Report a problem](#)

Programs & Events Dashboard

Examples Educational Program (with Wiki Edu)

University of Cincinnati- Occupational Epidemiology -2016



University of Northern Colorado- Hearing loss prevention- 2017



Harvard University- Introduction to the work environment- 2018



Campaign: Hearing health 2022-2024

Home Programs Articles Editors ORES Alerts Search Hearing health

Oficina Wikipédia INAD Brasil 2023	WMB, UFSC, UTP, USP, UdeM/26-04-2023	45	23.1K <small>(372/user)</small>	1	98.5K	62 62 training up-to-date	2023-04-06
Outreach Wikipedia Edit-a-thon 4 World Hearing Day 2023	World Health Organization/	37	165K <small>(1.16K/user)</small>	249	17.7M	142 142 training up-to-date	2022-09-06
Saúde auditiva - Wikipédia como ferramenta de aprendizagem em saúde	Universidade Federal de Santa Catarina/	15	25.4K <small>(1.34K/user)</small>	0	27.5K	19 19 training up-to-date	2023-03-07
Tópicos Avançados em Fonoaudiologia na Atenção Primária à Saúde	Universidade Federal de Santa Catarina/	5	12.6K <small>(1.8K/user)</small>	0	33.9K	7 7 training up-to-date	2023-03-13
Hearing care Edit-a-Thon 2023	Global Coalition of Parents of Children who are Deaf or Hard of Hearing/	3	1.44K <small>(130/user)</small>	16	133K	11 11 training up-to-date	2023-01-12

Online campaigns with partners

Wiki4WorldHearingDay2019



Wiki4YearOfSound2020



Wiki4WorldHearingDay2023



[#Wiki4WorldHearingDay2023](#)

Use of a technical infrastructure that gives us metrics and coordination mechanisms

Now bring it all together



GRANT: EDUCATIONAL PROGRAM USING WIKIPEDIA AS AN ACTIVE TEACHING METHOD AND TOOL FOR COLLABORATION IN HEARING HEALTH

Brazilian grant to develop and coordinate actions to improve hearing and healthcare content through:

- classroom programs across 6 Brazilian universities
- development of the MOOC *Introduction to Audiology* in Wikiversidade
- participation in the global campaign Wiki4WorldHearingDay2023
<https://meta.wikimedia.org/wiki/Wiki4WorldHearingDay2023>
- coordination at
https://outreachdashboard.wmflabs.org/campaigns/hearing_health_20222024/programs

Preliminary results from bringing it all together

Linking campaigns to classroom programs:

- provided motivation;
- expanded partnerships; and
- **boosted results.**



#Wiki4WorldHearingDay2023

	French	Mandarin	Spanish	English	Portuguese
Edited articles	3.4%	0%	2.7%	22.2%	69%
Created articles	0%	21%	0%	8.3%	67%
Total	12%	1%	1%	10%	75%

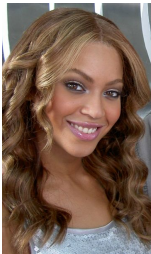


Photo of some of the volunteers and participants of the training session in Florianopolis, Brazil, part of Wiki4WorldHearingDay2023.
[Subliminal: Who runs this world?]

Creation of an innovative technological system (MOOC at Wikiversity)

In a large country like Brazil, training and education in hearing health are critical for facilitating remote and virtual audiological interventions. Wikiversity enables the hosting of MOOC (Massive Open Online Courses) that may mitigate health instruction inequality.



WIKIVERSIDADE



Pesquisar na wiki Wikiversidade

Introdução à Audiologia Básica

Página [Discussão](#)

<https://w.wiki/6Jat>

Systematic academic documentation

INQUIRY: The Journal of Health Care Organization, Provision, and Financing

Case Study

Expanding Reach of Occupational Health Knowledge: Contributing Subject-Matter Expertise to Wikipedia as a Class Assignment

Diana M. Ceballos, PhD^{1,†}, Robert F. Herrick, ScD¹, Tania Carreón, PhD^{2,3}, Vy T. Nguyen, ScD¹, MyDzung T. Chu, PhD¹, John P. Sadowski, PhD¹, Helaine Blumenthal, PhD², and Thais C. Morata, PhD⁴

INQUIRY: The Journal of Health Care Organization, Provision, and Financing
Volume 58 1-11
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DOI: 10.1177/00489580211035735
journals.sagepub.com/home/hiq
SAGE



Wikipedia at the university: Active learning methodologies for teaching in Audiology

EDITORIAL

Make Quality Hearing Health Information Available to All

By Thais C. Morata, PhD, and Shelly Chadha, PhD

Over six percent of the world's population has disabling "hearing loss." Across the globe, it can take years for those with hearing problems to seek care. Even when care is sought, the prescribed interventions are not often adopted.¹ This issue has coincided the World Health Organization to coordinate World Hearing Day (WHD), an annual event that aims to "raise awareness on how to prevent deafness and hearing loss and promote ear and hearing care across the world."² The Centers for Disease Control and Prevention argues that "plain language makes it easier for everyone to understand and use health information," emphasizing its commitment to making high-quality information freely accessible to the public.³ As health articles on Wikipedia are collectively read more than 150 million times per month,⁴ one approach the National Institute for Occupational Safety and Health is taking to communicate research findings involves integrating health content on Wikipedia.⁵ That includes the adoption by university programs of the Wikidoc Foundation⁶ platform to train students in Wikipedia editing. Through this mechanism, students contribute

evidence-based content to Wikipedia as a class assignment.⁷ This year, NIOSH proposed and developed the online event WHD2021⁸ to facilitate the improvement of Wikipedia content related to hearing, hearing health services, hearing testing, and prevention and rehabilitative interventions. The platform provided guidance and allowed anyone with access to a computer and the internet to participate in the campaign. Several institutions joined by either providing the content or contributing content to Wikipedia, including the National Center for Environmental Health, the National Center on Birth Defects and Developmental Disabilities, the Hearing Center of Excellence, the French National Research and Safety Institute for the Prevention of Occupational Accidents, the International Society of Audiology, the American Academy of Audiology, and Hear in Cincinnati. Participants from Cochlear,



#Wiki4WorldHearingDay2019



Dr. Morata, left, is a research scholar at the National Institute for Occupational Safety and Health and health communication program for prevention of deafness and hearing loss. Shelly Chadha is the national chair of the World Health Organization Programme for Prevention of Deafness and Hearing Loss.



Research Idea

Published in: Research Ideas and Outcomes

Developing a scalable framework for partnerships between health agencies and the Wikimedia ecosystem

Daniel Mietchen, Lane Rasberry, Thais Morata, John Sadowski, Jeanette Novakovich,

Research Idea

Published in: Research Ideas and Outcomes



Wikipedia for multilingual COVID-19 vaccine education at scale

Lane Rasberry, Daniel Mietchen

Finally... Dissemination of the work in various environments

NIOSH Science Blog

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Categories

Aging Workers

The Powerhouse: Students' contributions towards expanding and improving occupational safety and health content in Wikipedia

Posted on July 30, 2018 by [Thais C. Morata](#), [Max Lum](#), [John Sadowski](#), [Tania Carreón-Valencia](#), [Deanna Meinke](#), [Emily Wakefield](#), [Diana Ceballos](#), and [Mary Beth Genter](#)

[f](#) [t](#) [+](#)

The history and motivation behind the efforts NIOSH is putting into expanding and improving occupational safety and health in Wikipedia was discussed in earlier NIOSH Science Blogs ([May 19 2015](#) and [July 25 2016](#)) and thru the NIOSH January 2017 [eNews](#). Here we will focus on the partnerships created between NIOSH and university graduate and training programs since 2016. In 2015, the NIOSH authors of this Blog reached out to university professors to encourage adoption of the platform developed by the [Wiki Education Foundation](#) to train students (or interns) in Wikipedia editing and to add or develop evidence-based content to Wikipedia articles as a class assignment.

Wiki Edu

Teach Learn Connect News Impact About us Contact us [Donate](#)

From student editor to professor assigning Wikipedia writing

NIOSH Science Blog

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Students' Contributions to Wikipedia: Making it easier for everyone to find, understand, and use health information

November 19, 2021 by [Thais Morata, PhD](#), and [John P. Sadowski, PhD](#)

In 2018, we blogged about an exciting partnership between NIOSH and university graduate programs to improve occupational safety and health information on Wikipedia (see related [blog](#)). Using the Wiki Education platform and in [coordination with NIOSH researchers](#), 15 courses were taught since 2016 involving 163 students at seven universities. The impact of these courses as of November 2021 is listed below.

Diff Categories About Submit Calendar

The Wiki4WorldHearing2023 global campaign and the contributions from Brazilian universities

NEWS

FROM THE



APRIL, 2023, ISSUE 5

The National Institute for Occupational Safety and Health (NIOSH, USA), a member of the WHF, developed the online event [Wiki4WorldHearingDay2023](#) to ensure greater visibility of the WHO and World Hearing Forum's content. Through training workshops, NIOSH is working on improving Wikipedia content related to hearing, hearing health services, hearing testing, Make Listening Safe and World Hearing Day. Started in November 2022, four workshops were hosted over four months in different parts of the world. Preliminary data indicates that participants have contributed 187,000 words to 300 existing and 50 new Wikipedia articles. Contributions happened in several languages: English, Portuguese, French, Spanish, Chinese and German. The articles received more than 7.8 million views during the 4-month tracking period.

Conclusions

Elements to broaden and strengthen your effort in education:

- Multi-component strategy
- Articulation other groups that share interests in your area
- Connection with local affiliate
- Use of a technical infrastructure that gives us metrics and coordination mechanisms
- Seek resources, they exist
- Systematic academic documentation
- Dissemination of the work in various environments

