Equity of knowledge: a proposal for listening and recording communities on their use of primary health care

Fernanda Zucki Mathias	Felipe Ramos Lima	Elizandro Maurício Brick	Juliano Camillo
Professor at the Department of Speech Therapy and Audiology	PhD student in Scientific and Technological Education	Professor, Rural education	Professor at the Department of Cultural Teaching and Practices
Federal University of Santa Catarina Brazil	Federal University of Santa Catarina Brazil Wiki Movimento Brasil	Federal University of Santa Catarina Brazil	Faculty of Education of the State University of Campinas - State University of Campinas

Abstract

The proposal aims to develop a methodology for active listening to communities that use primary health care and capturing and bringing this input with a into Wikimedia projects. The aim is to expand health content in Wikipedia by incorporating the input from users. Contributions would be in Portuguese. These 2 aspects address the goal of promoting equity in knowledge.

Introduction

Guiding question for the proposal: How to build a listening-recording methodology from communities that use primary health care, aiming to develop content for Wikimedia projects?

Problem: there is a communication "gap" between current public policies and the reality faced by people when seeking health care.

Concept: Primary Health Care is the first level of health care, characterized by a set of individual and collective health actions. It encompasses the promotion and protection of health, prevention of health problems, diagnosis, treatment, rehabilitation, damage reduction and health maintenance. It aims to deliver comprehensive care that positively impacts the health of populations.

Actions: In order to promote equity of knowledge, researchers, Wikimedistas and community educators propose to develop methodological resources that can be used by research and educational activities. It will take place through established partnerships. The study participants will be recruited from these partner communities, and will include users of primary health care. There is a lack of accessible, reliable and quality information on the subject in Brazil. This is considered to be a barrier to actions to promote public health.

The proposal will be informed by the experience from three groups (the grant proponents):

- **Prosa** - *Grupo de Pesquisa em Educação e Tecnologia Ético-Crítica*
- **Projeto de Educação Comunitária Integrar**
- **Saúde auditiva** - *Wikipédia como ferramenta de aprendizagem em*

saúde [https://outreachdashboard.wmflabs.org/users/Fernanda%20Zucki; https://outreachdashboard.wmflabs.org/campaigns/hearing_health__20222024/programs]

Date: June 1, 2024 - May 25, 2025.

Related work

The **Saúde Auditiva** project of the Audiology Study Group at UFSC, in coordination with Wikimedia and Wiki Movimento Brasil contributed to actions to promote health and education. Information on these actions have been documented through blogs, newsletters and through traditional peer-reviewed scientific publications (Saúde Auditiva, 2023).

Prosa developed the MEC Continuing Training Platform (PLAF) project in partnership with the Brazilian Secretariat of Basic Education (SEB) (Prosa-Reda, 2022) and Professional and Technological Training in Contemporary Times in partnership with the Brazilian Secretariat of Professional and Technological Education (Prosa-EPTrilhas, 2022). Concerning free knowledge and contributions to Wikimedia, **Prosa** contributed through the development and maintenance of the PROSA-UFSC media category. This enabled the development of Open Educational Resources and the reflection on the licensing processes of content.

In 2023, thanks to WikiMovimentoBrasil and the organization of WECUDI, we mobilized community educators from the **Integrar** Community Education Project (Prosa-Wecudi, 2023).

Methods

WIkimedia projects will be used in community education activities, supported by students and academic experts, to understand "generative themes" according to Paulo Freire (1987, 1996) and map them in Wikimedia projects.

Paulo Freire argued for 'naming the world' i.e., emphasizing that the way we understand the world affects the way we change it. He challenges educators and learners to "...develop their power to evaluate critically the way they exist in the world with which and in which they find themselves; …to see the world not as a static reality, but as a reality in process, in transformation." In this project we will use Wikimedia as the medium to implement what Victor Vincent Valla calls "listening to the underprivileged classes (Valla, 1996) in order to free the production-consumption processes of knowledge (Lima, 2022).

- **Data collection:** Weekly meetings to systematize listening-recording protocols; Weekly meetings to listen to the community of users of primary health care who are part of the community education effort.
- **Survey:** Weekly meetings for team training on Wikimedia tools; Development and insertion of content related to primary health care in Wikimedia projects (Borda, 1990; Zucki publications)
- **Analysis:** Program and Events Outreach Dashboard data analysis, biannual evaluation reports, preparation of scientific material for publication.

Expected output

- Submission of a manuscript to a peer-reviewed journal in the area of education, describing the results of the participatory research methodology for listening to the reality of underprivileged communities in primary health care.

- disseminate findings thru Blogs, such as Diff and others.
- Holding a session at a conference with themes related to community education and primary health care.

Risks

- Lack of engagement due to skepticism in the Wikimedia communities.

Community impact plan

- Use of Wikimedia projects to record the knowledge of underrepresented communities in primary health care,
- Understanding the listening-recording process as an integral part of the knowledge systematization process,
- Description of the listening-recording dynamics of perceptions about the local reality in relation to primary health care.

Evaluation

A good measure of the success of the work will be the observation of an active community of editors who jointly participate in activities of the Wikimedia projects, the Prosa research group, the UFSC Audiology Study Group and the Integrar Community Education Project.

Budget

- Scholarship for a doctoral student for proposal coordination: USD 15,000
- Scholarship for a master degree student: USD 5,500
- Expenses related to the data collection of the proposal USD 6,200
- Scholarships for undergraduate students: USD 7,100
- Travel - USD 5,000
- Participation in conferences - USD 4,200
- Payment for article processing fees/ open access for a paper - USD 1,000
- Holding a session at a conference with themes related to community education and primary health care - USD 2,150
- Financial management - USD 3,850

Total USD 50,000

Prior contributions

- Master's thesis that relates Wikipedia and the Wikimedia Movement.(Lima, 2022);
- Scientific awarded by Coordenação de Aperfeiçoamento de Pessoal de Nível Superior to the Master Thesis in the area of Teaching in 2016 (CAPES, 2016; Camilo, 2015);
- Papers presented at conferences in the area of research in Science Education Lima, Camillo, Brick, 2023; Benedet et al., 2023);
- Popular Education and Wikimedia projects (Projeto Integrar, 2023; Prosa-Wecudi,2023; Wikimedia-Argentina, 2023)
- Saúde Auditiva Project

References

Arrigo AJS, Matos HGC, Cruz PC, Peschanski JA, Zucki F, Duarte JL, Araujo ES, Morata TC, Alvarenga K de F, Jacob LCB. **Desenvolvimento de um Curso On-line Aberto — CMOOC — Introdução à Audiologia Básica na Wikiversidade**. 38º Encontro Internacional de Audiologia. 2023.

BENEDET, L. S. et al.(2023). Do RED ao REA: mudança conceitual e transformação no licenciamento de materiais instrucionais a partir de projetos do grupo de pesquisa

em educação e tecnologia ético-crítica (PROSA/CNPQ/UFSC).

Boldrin ACRB, Andrade FB, Matos HGC, Arrigo AJS, Cruz PC, Montilha AAP, Lima F, Zucki F, Jacob LCB. **Editatona de edição na Wikipédia: Dia Internacional da Conscientização sobre o ruído**. 30º Congresso Fonoaudiológico de Bauru. 2023.

BORDA, O. F. Aspectos teóricos da pesquisa participante. Em: **Pesquisa participante**. São Paulo: Brasiliense, 1990.

Camillo, Juliano (2015). *Contribuições iniciais para uma filosofia da educação em ciências* (thesis).

Cardoso MJF, Matos HGC, Cruz PC, Araújo ES, Arrigo AJS, Zucki F, Morata TC, Alvarenga K de F, Jacob LCB. **Audiologia Sem Fronteiras: MOOC "Introdução à Audiologia Básica" na Wikiversidade**. 31º Congresso Brasileiro de Fonoaudiologia/12º Congresso Internacional de Fonoaudiologia. 2023

Capes. (2016). Teses premiadas em 2016: Ensino

Freire, P (1996) (first published 1970) *Pedagogy of the Oppressed,* London: Penguin.

Jacob LCB, Alvarenga K de F, Zucki F, Matos HGC, Berberian AP, Lacerda ABM, Araújo ES, Tangerino R, Duarte JL, Peschanski JA, Júnior LG, Cruz PC, Montilha AAP, Morata TC. **Programa de Educação da Wikipédia como Metodologia Ativa de Ensino e Ferramenta de Colaboração Coletiva em Saúde Auditiva**. 30º Congresso Brasileiro de Fonoaudiologia. João Pessoa. 2022.

Lima, Felipe Ramos. (2022) *Educação em ciências e possibilidades de conhecer por meio da Wikipédia* (M.Sc.). Universidade Federal de Santa Catarina.

Lima, F.R.; Camillo, J.; Brick, E.M. (2023). Atividade potencial e Wikipédia: enfrentando desafios de pronunciar o mundo no meio digital.

Montilha, A.A.P.; Morata, T.C.; Flor, D.Á.; Machado, M.A.A.M.; Menegon, F.A.; Zucki, F. **2023.** The Promotion of Hearing Health through Wikipedia Campaigns: Article Quality and Reach Assessment. *Healthcare 11*, 1572. https://doi.org/10.3390/healthcare11111572

Morata TC, Zucki F, Arrigo AJS, Cruz PC, Gong W, Matos HGC, Montilha AAP, et al. Exploratory study: Health promotion through Wikipedia outreach and educational activities. BMC Public Health. doi:10.21203/rs.3.rs-3568640/v1

Morata TC, Montilha AAP, Jacob LCB, Zucki F. **A utilização da Wikipédia como uma ferramenta de promoção da saúde auditiva**. 29º Congresso Brasileiro de

Fonoaudiologia/11º Congresso Internacional de Fonoaudiologia. 2021

Prosa-Reda. (2022). Projeto Recursos Educacionais Digitais Autoformativos para Formação de Profissionais da Educação na Plataforma de Formação do MEC (REDA-PLAF) – 2019 a 2021

Prosa-EPTrilhas. (2022). Projeto EPTrilhas – Recursos Educacionais Digitais para Formação Profissional e Tecnológica na Contemporaneidade

Prosa-Wecudi.(2023). Prosa no Wecudi

Projeto Integrar. (2023).Educação Popular e os Projetos Wikimedia- Quintais produtivos contribuindo com a busca por justiça e igualdade social.pdf

Valla, Victor Vincenti. (1996). A crise de interpretação é nossa: procurando compreender a fala das classes subalternas

Saúde auditiva. (2023) Oficina Wikipédia INAD - Brasil 2023.

Wikimedia-Argentina (2023). WECUDI Conference 2023/Program/Mesa d)-3

Consultants

Thais Catalani Morata - Wiki Movimento Brasil (User:TMorata)

https://en.wikipedia.org/wiki/User:TMorata

Lilian Cássia Bórnia Jacob - Faculdade de Odontologia de Bauru / Universidade de São Paulo (User:LiJacob; https://outreachdashboard.wmflabs.org/users/LiJacob)