OPEN KNOWLEDGE MAPS

@PeterKraker
@OK_Maps
The 2014-2016 Ebola epidemic in West Africa claimed more than 11,000 lives. It could have been prevented using public knowledge.
The results seem to indicate that Liberia has to be included in the Ebola virus endemic zone."

Knobloch et al. 1982

There is an adage in public health: “The road to inaction is paved with research papers.”
Uncitedness (publications): 12% - 82% (Larivière & Gingras 2009)

Uncitedness (data): 85% (Peters et al. 2016)

Transfer to practice (medicine): 14%, taking 17 years (Balas 1998)
Dark Knowledge
(Jeschke et al.)
There is a discoverability crisis that negatively impacts effectiveness and efficiency of science, and its transfer to practice.
Who we are

Open Knowledge Maps is a charitable non-profit organization dedicated to dramatically improving the visibility of scientific knowledge for science and society alike.
Overview of heart diseases

- Risk Factors
- Types of Diseases
- Prevention
Our mission

**VISUAL INTERFACE**
We are creating a visual interface to the world's scientific knowledge that is based on knowledge maps.

**REVOLUTIONIZE DISCOVERY**
We are going to provide a large-scale system of open, interactive and interlinked knowledge maps for every research topic, every field and every discipline.

**SHARE. USE. COLLABORATE.**
We want to turn discovery into an open collaborative process. By sharing the results of our discoveries, we can save valuable time and build on top of each other's knowledge.
Map a research topic

Get an overview - Find papers - Identify relevant concepts

- PubMed (life sciences)
- BASE (all disciplines)

Refine your search

Enter your search term

Try out: sugar digital education

https://openknowledgемaps.org
Advantages
How it works

An Open Knowledge Maps visualization presents you with a **topical overview** for your search term. It is **based on the 100 most relevant documents** for your search term.

We use **text similarity** to create the knowledge maps. The algorithm groups those papers together that have more words in common in the metadata.
Open science, all the way

open content
open data
open source
open roadmap
Largest visual search engine for research

First 2.5 years:

½ million visits on the site
100,000+ maps created
1500+ participants in workshops
Core Team

Peter Kraker
Founder & Chairman

Maxi Schramm
UX Designer & Treasurer

Christopher Kittel
Data Scientist & Secretary

Asura Enkhbayar
Software Architect

Scott Chamberlain
Data Sources

Rainer Bachleitner
Frontend Developer

Fabian Kraut
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Community Coordinator

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Requirements & Evaluation

Thomas Arrow
Frontend Developer

Know Center
Organizational member

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Stefan Kasberger
Stefanie Haustein

Andreas Ferus
Tony Ross-Hellauer
Christine Zhang
Sebastian Dennerlein
Antica Culina
Florian Heigl
Robert Gutounig
Daniel Dörler
Christian Kaier
The cycle of continuous innovation

Institutions, Researchers, Publishers

Libraries, Archives, Repositories, Aggregators

Meta aggregators

Value added services

The open discovery infrastructure

ContentMine

ORCID

SCHOLIA

OpenAIRe

CORE

BASE

WIKIDATA

zenodo

arXiv.org

INA-RXIV

ECONBIZ

Crossref

PubMed

TU Brand
Projects in 2018/19

**VIPER** - Visual Project Explorer
OpenAIRE Tender Calls

**LinkedCat+** - Exploring half a century of knowledge production at the Austrian Academy of Sciences
OeAW Innovation Fund

**CRIS VIS** - Visualizing research questions in mental health
OIS Center of the Ludwig Boltzmann Society
Questions? Comments?
Training materials

OKMaps Presentation
Workshop: Scavenger Hunt
Workshop: Academic SEO
Promotional materials

https://openknowledgemaps.org/community#training-materials
Our vision

https://vimeo.com/188647919
Your support matters ❤️

Let us know what you think
Introduce Open Knowledge Maps to your students and colleagues
Consider becoming an enthusiast

... and don’t forget to sign-up for our Newsletter ;-)
Thank you for your attention!

Contact:
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