OPEN KNOWLEDGE MAPS
A visual interface to the world's scientific knowledge
It’s time to change the way we discover research
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 can be used by anyone in order to dramatically improve the discoverability of research results.

REVOLUTIONIZE DISCOVERY

We are going to provide a large-scale system of open, interactive and interlinked knowledge maps spanning all fields of research.

SHARE. USE. COLLABORATE.

We will develop a space for collective knowledge organisation and exploration, connecting researchers, students, librarians, journalists, practitioners and citizens.
Visualize a research topic

Choose a library:
- PubMed (biomedicine)
- BASE (all disciplines)

Enter a research topic or area, e.g. heart disease

Options

https://openknowledgemaps.org
Advantages
Open Knowledge Maps?

Open Source https://github.com/OpenKnowledgeMaps

Open Content

Open Data

Working in the open
Open roadmap
Open proposals
Participatory development
Team

Peter Kraker  
Founder

Maxi Schramm  
Interface, Web Design & Graphics

Asura Enkhbayar  
Software Architect

Scott Chamberlain  
Data Sources

Christopher Kittel  
Content Mining & Recommendation

Björn Brembs  
Requirements & Evaluation

Rainer Bachleitner  
Frontend Architect

Mike Skaug  
Visualizations

Naomi Most  
Backend Architect

Omiros Metaxas  
Topic Modeling & Citation Enrichment
## Advisors

<table>
<thead>
<tr>
<th>Advisor</th>
<th>Advisor</th>
<th>Advisor</th>
<th>Advisor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peter Murray-Rust</td>
<td>Stefanie Lindstaedt</td>
<td>Natalia Manola</td>
<td>Puneet Kishor</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lambert Heller</td>
<td>Christian Schlögl</td>
<td>Michela Vignoli</td>
<td>Stefan Kasberger</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Stefanie Haustein</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Andreas Ferus</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Christine Zhang</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Sebastian Dennerlein</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Antica Culina</td>
<td>Christian Kaier</td>
<td>Florian Heigl</td>
<td>Robert Gutounig</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Daniel Dörler</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Daniel Mietchen</td>
</tr>
</tbody>
</table>
Partners

OpenSci

KNOW Center

BASE

OPEN KNOWLEDGE AUSTRIA

WIKIMEDIA ÖSTERREICH

Year

ContentMine

hypothes.is

INTERNET ARCHIVE
The first year

Featured on the front pages of reddit & HackerNews

110,000+ visits on the site, 31,000+ maps created, 300+ participants in workshops
Knowledge maps as a tool for Wikipedia editors

Integration with Wikidata and WikiFactMine (ContentMine)

Automatically create overview maps for statements with [citation needed]
Hackathon Plan

Open Knowledge Maps & Wikidata & ContentMine = better maps, better data

1. Create a base map for a topic (e.g. Zika virus)
2. Use ContentMine to extract all facts for the papers in the map
3. Re-run the map with additional facts
4. Compare maps
5. Use top label for a cluster as main topics for papers on Wikidata
A vision...

https://vimeo.com/188647919
...you can collaborate on - and fund :)
Thank you for your attention!