

#DontLeaveltToGoogle How open infrastructures enable continuous innovation in the research workflow

Peter Kraker Co-created with Maxi Schramm Open Science Conference 2019



The 2014-2016 **Ebola epidemic** in West Africa claimed more than 11,000 lives

It could have been prevented using public knowledge

Opinion

OP-ED CONTRIBUTORS

Yes, We Were Warned About Ebola

By Bernice Dahn, Vera Mussah and Cameron Nutt

April 7, 2015

"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.)

Google	educational technology	
Scholar	About 2,450,000 results (0.05 sec)	
Articles Legal documents	[СІТАТІОN] Time for Results: Task Force on Leadership and Management , Task Force on Educational Technology 1986 - National Governors' Association Cited by 385 Related articles Cite	
Any time Since 2012 Since 2011 Since 2008 Custom range	Thinking Technology: Toward a Constructivist Design Model. DH Jonassen - Educational technology, 1994 - ERIC Abstract: Discussion of constructivism and instructional design focuses on the development of a design model for constructivist environments that supports the construction of knowledge, a meaningful context for learning, and collaboration among learners and with Cited by 918 Related articles BL Direct Cite More •	
Sort by relevance Sort by date	Conditions That Facilitate the Implementation of Educational Technology Innovations. DP Ely - Educational Technology, 1999 - ERIC Abstract: Describes eight conditions that facilitate implementation of the technology-based change process: dissatisfaction with the status quo, existence of knowledge and skills, availability of resources, availability of time, existence of rewards or incentives, Cited by 211 Related articles BL Direct Cite More •	
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■ Create alert	[воок] Integrating educational technology into teaching MD Roblyer, J Edwards, MA Havriluk - 2006 - lavoisier.fr Imprimer la notice. Integrating educational technology into teaching (4th ed). Auteur : ROBLYER Margaret. Prix indicatif 89,72 €. Disponible chez l'éditeur (délai d'approvisionnement : 10 jours) Paperback. Sommaire d'Integrating educational technology into teaching (4th ed) : Cited by 1314 Related articles All 14 versions Cite More ▼	
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SEARCH

Making it easier to discover datasets

Natasha Noy

Research Scientist, Google Al

Published Sep 5, 2018

In today's world, scientists in many disciplines and a growing number of journalists live and breathe data. There are many thousands of data repositories on the web, providing access to millions of datasets; and local and national governments around the world publish their data as well. To enable easy access to this data, we launched Dataset Search, so that scientists, data journalists, data geeks, or anyone else can find the data required for their work and their stories, or simply to satisfy their intellectual curiosity.

Similar to how Google Scholar works, Dataset Search lets you find datasets wherever they're hosted, whether it's a publisher's site, a digital library, or an author's personal web page. To create Dataset search, we developed guidelines for dataset providers to describe their data in a way that Google (and other search engines) can



Peter Kraker @PeterKraker · 10 Sep 2018

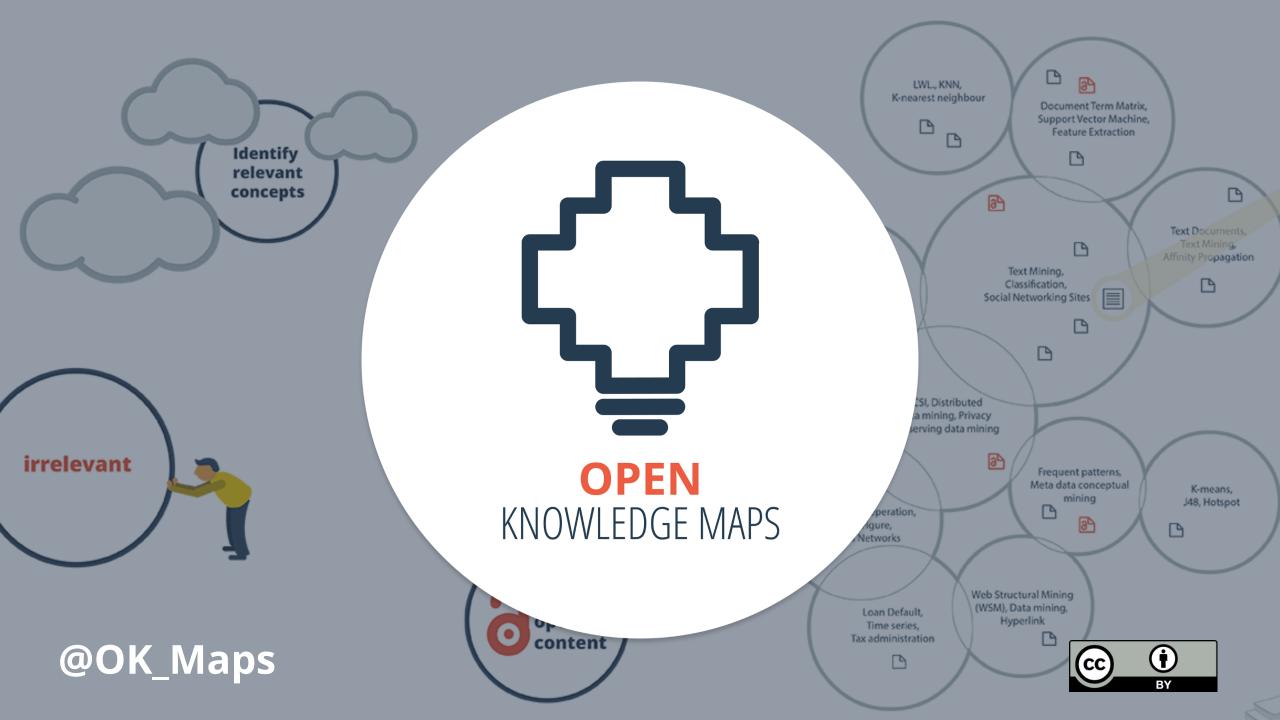
So, @Google is building a search engine for research data.

Yet another proprietary index on top of our data that nobody can reuse & another inferior list-based interface pushed onto scientists by Google's market dominance.

This is detrimental to science! #DontLeaveltToGoogle

#DontLeaveltToGoogle

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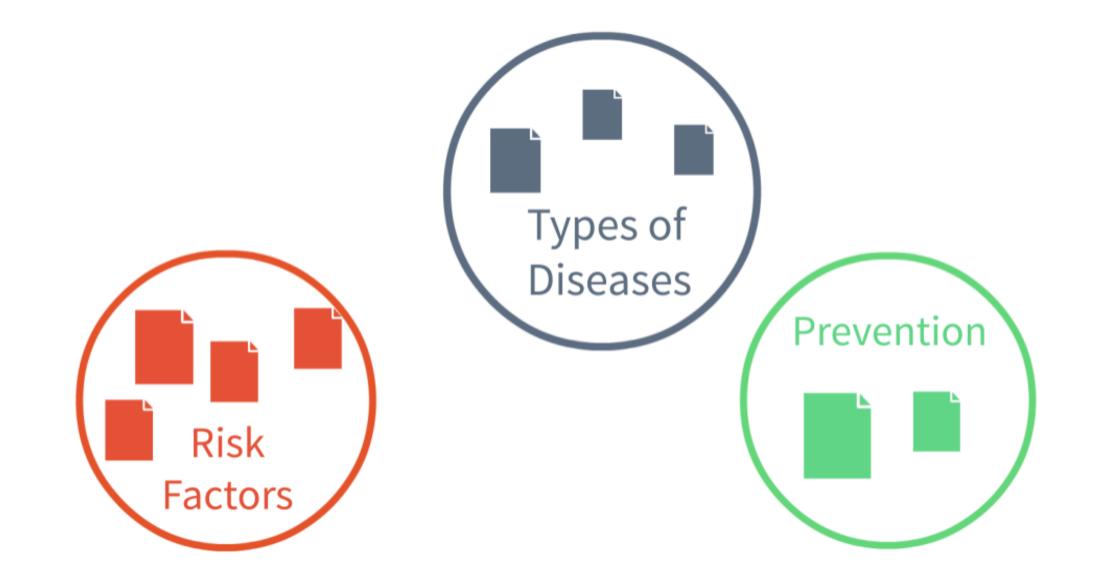






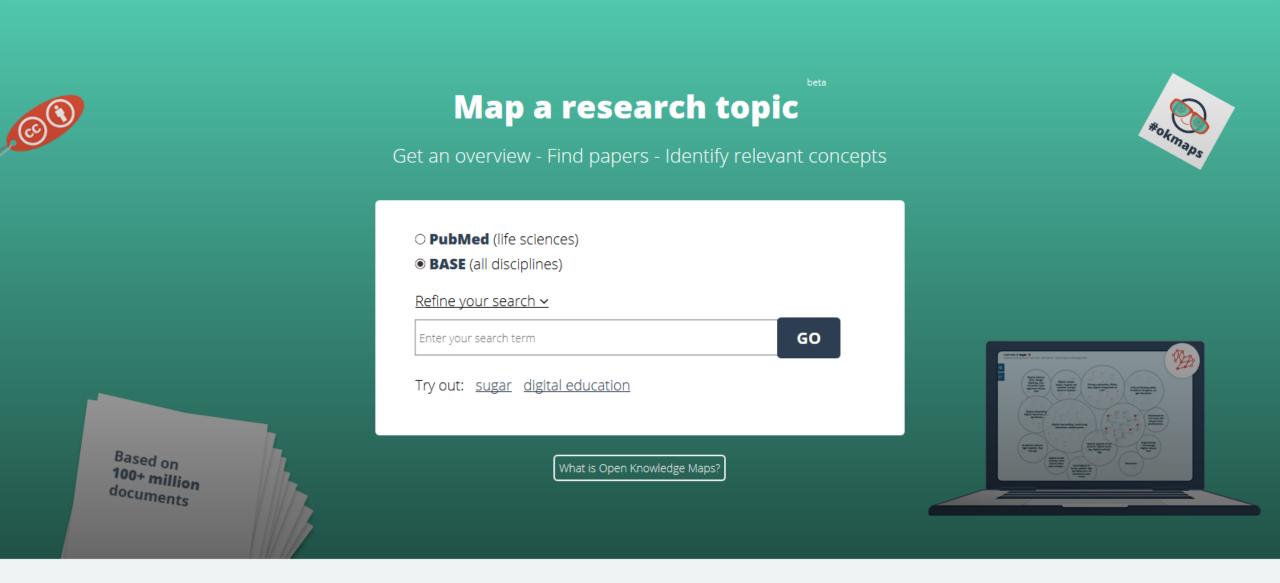
CharitableNonprofit RevolutionizeDiscovery ForScienceAndSociety

Overview of heart diseases







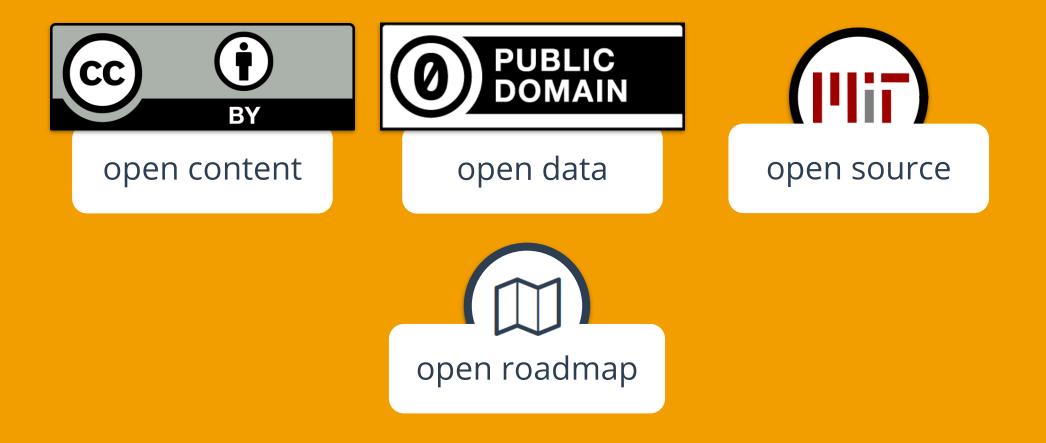


https://openknowledgemaps.org

Advantages



Open science, all the way



Largest visual search engine for research





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 Marketing



Najmeh Shaghaei Community Coordinator



Björn Brembs Requirements & Evaluation



Thomas Arrow Frontend Developer



Know Center Organizational member



Ludwig Boltzmann Gesellschaft Supporting member







Peter **Murray-Rust**

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Bertil F. Klaus Tochtermann Dorch



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Garád



Birgit Schmidt



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Elisabeth

Lex

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Osman Aldirdiri



Lambert Heller





Michela Vignoli



Schlögl

Reckling





Stefan Kasberger Stefanie Haustein



Peters

Andreas **Ferus**



Tony Ross-Hellauer

Christine

Zhang



Sebastian Dennerlein







Florian Heigl



Robert Gutounig



Dörler



Christian Kaier

Enthusiasts



Girija Goyal Co-founder ReFigure.org



Ricardo Hartley Belmar Academic Universidad Central de Chile



Amie Fairs PhD candidate Max Planck Institute for Psycholinguistics



Jeremiah Pietersen Digital Scholarship Specialist University of Cape Town Libraries



Mari Plaza Data Scientist



Benedikt Fecher Program Director Humboldt-Institut for Internet and Society

















Ludwig Boltzmann Gesellschaft



















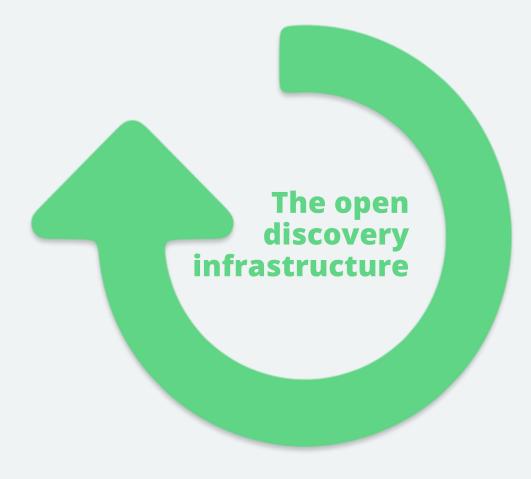








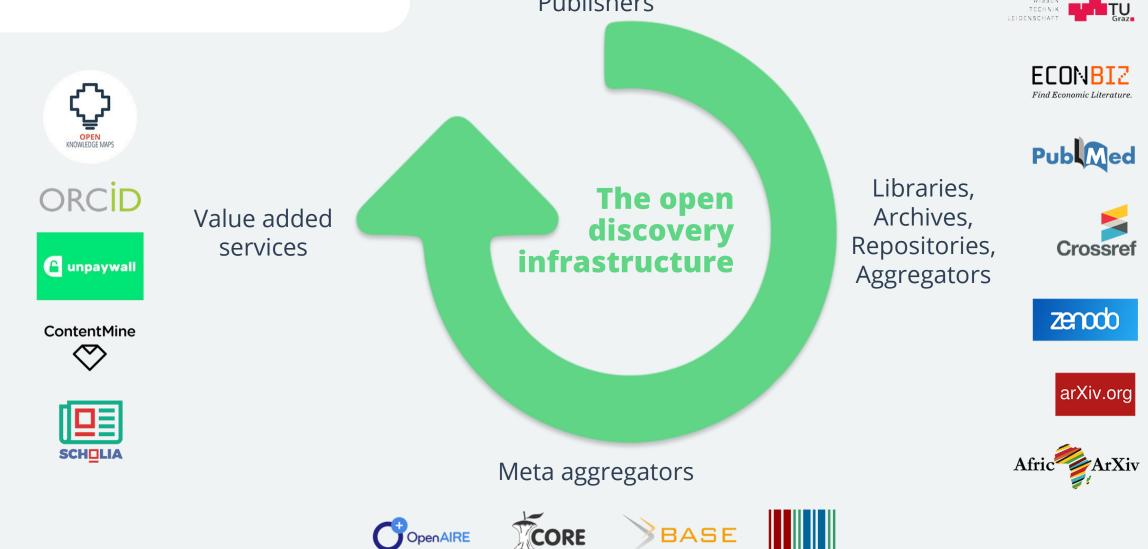




A cycle of continuous innovation



WISSEN TECHNIK



WIKIDATA

GODERIR DISCOVERY







hypothes.is

open access in the european research

area through scholarly communicati

titut für Bibliotheks- und

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IGB



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SCHOLIA

Impactstory



KNOW Center



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B LEIBNIZ INFORMATION CENTRE FOR SCIENCE AND TECHNOLOGY UNIVERSITY LEADER





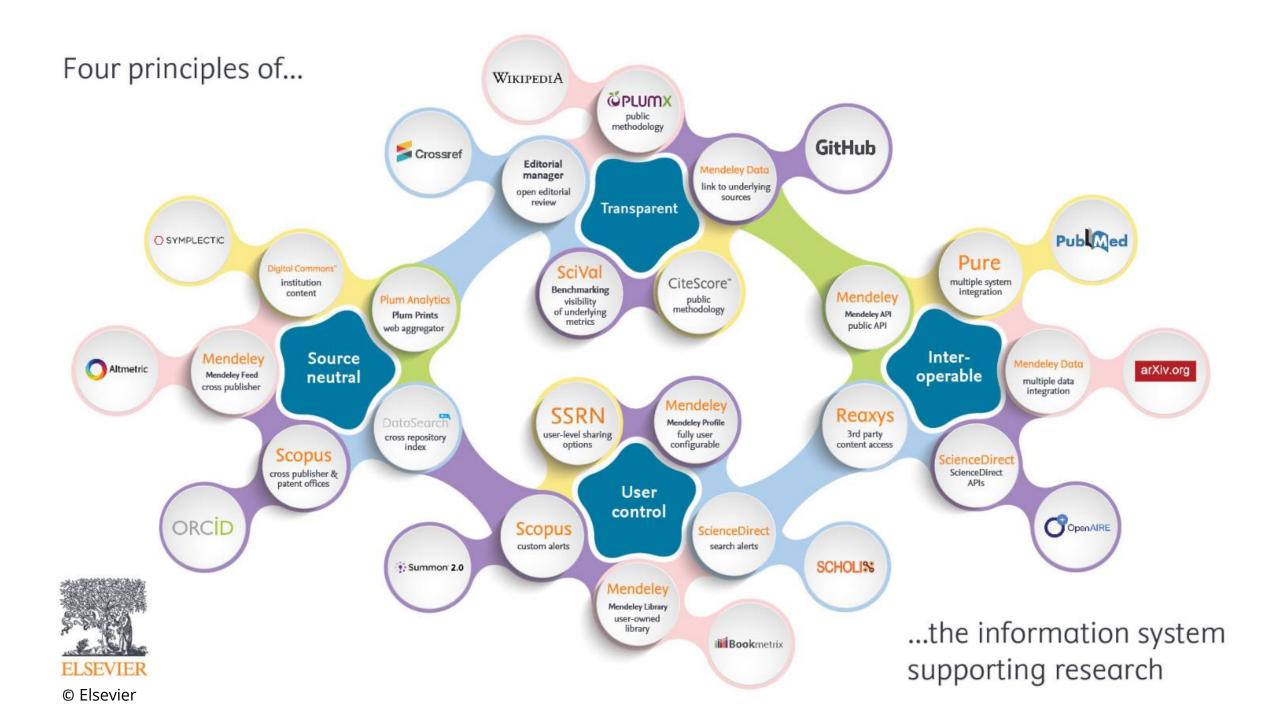


Leibniz-Informationszentrum

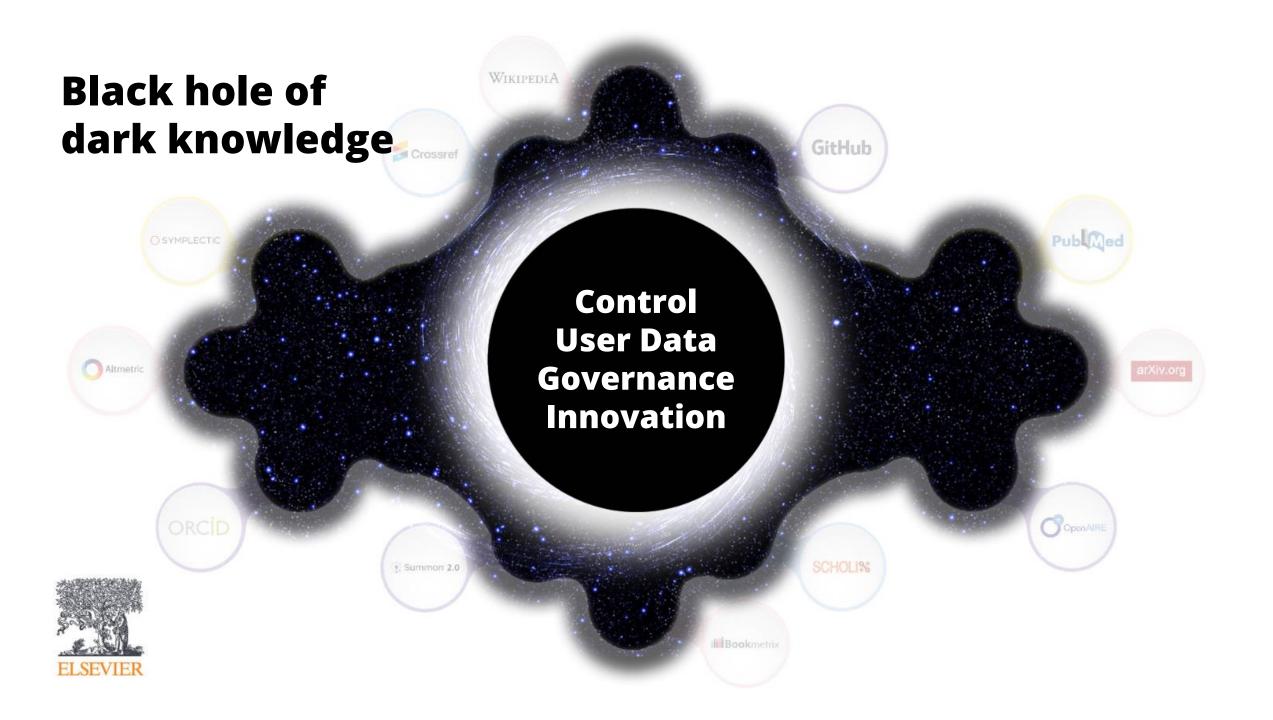
Wirtschaft Leibniz Information Centre











A: 0.5% of RELX's CEO's yearly salary

B: Google's revenue from advertising, every 25 milliseconds

C: Est. revenue of Nature Communications every two days



A: 0.5% of RELX's CEO's yearly salary

=€95,000!

B: Google's revenue from advertising, every 25 milliseconds

C: Est. revenue of Nature Communications every two days D: The total budget of Open Knowledge Maps, including collaboration projects ... in the past 2.5 years

No funding for user interfaces =

- = no control over algorithms
- = all (user) data in the hands of for-profits
- = no governance over our services
- = no innovation

Let's make the open infrastructure sustainable!

DontLeaveltToGoogle DontLeaveltToSpringerNature DontLeaveltToElsevier

Membership-based Funding

We propose to fund Open Knowledge Maps in a collective effort: organizations become supporting members and provide a yearly contribution

This is not a one-way street: we invite our members to co-create the platform with us. More info: https://openknowledgemaps.org/supporting-membership

Category	Membership Fee
Supporting members	EUR 2,800/year
Sustaining members	EUR 4,800/year (or more)
Sustaining members – higher support	EUR 9,800/year (or more)

Our vision



https://vimeo.com/188647919



Thank you for your attention!

Contact: twitter.com/PeterKraker pkraker@openknowledgemaps.org

