CC BY

#DontLeaveItToGoogle

Ein Plädoyer für offene Infrastrukturen

Peter Kraker

Erstellt mit Maxi Schramm

34. Österreichischer Bibliothekartag,
11. September 2019

OPEN
KNOWLEDGE MAPS

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

It could have been prevented using public knowledge

The New York Times

© The New York Times

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)

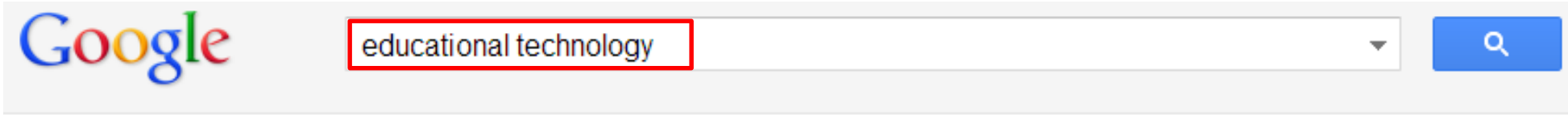
Transfer to practice (medicine):
14%, taking 17 years (Balas 1998)

Dark Knowledge

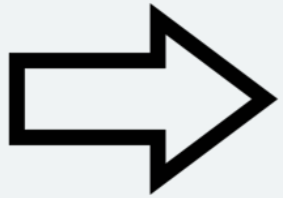
(Jeschke et al.)

There is a discoverability crisis

that negatively impacts effectiveness & efficiency of science, and its transfer to practice.


Google
educational technology
Scholar
About 2,450,000 results (0.05 sec)
Articles
Legal documents
Any time
Since 2012
Since 2011
Since 2008
Custom range...
Sort by relevance
Sort by date
include patents
include citations
Create alert
[CITATION] Time for Results: Task Force on Leadership and Management
, ... Task Force on Educational Technology... - 1986 - National Governors' Association ...
Cited by 385 Related articles Cite
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
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
[BOOK] 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
Goooooooooogle
1 2 3 4 5 6 7 8 9 10 Weiter

© Google



ResearchGate

WEB OF SCIENCE™

Google Scholar

Scopus®

WALL OF DARK KNOWLEDGE

Image by Melanie Imming

OPEN
KNOWLEDGE MAPS

@OK_Maps

CC BY

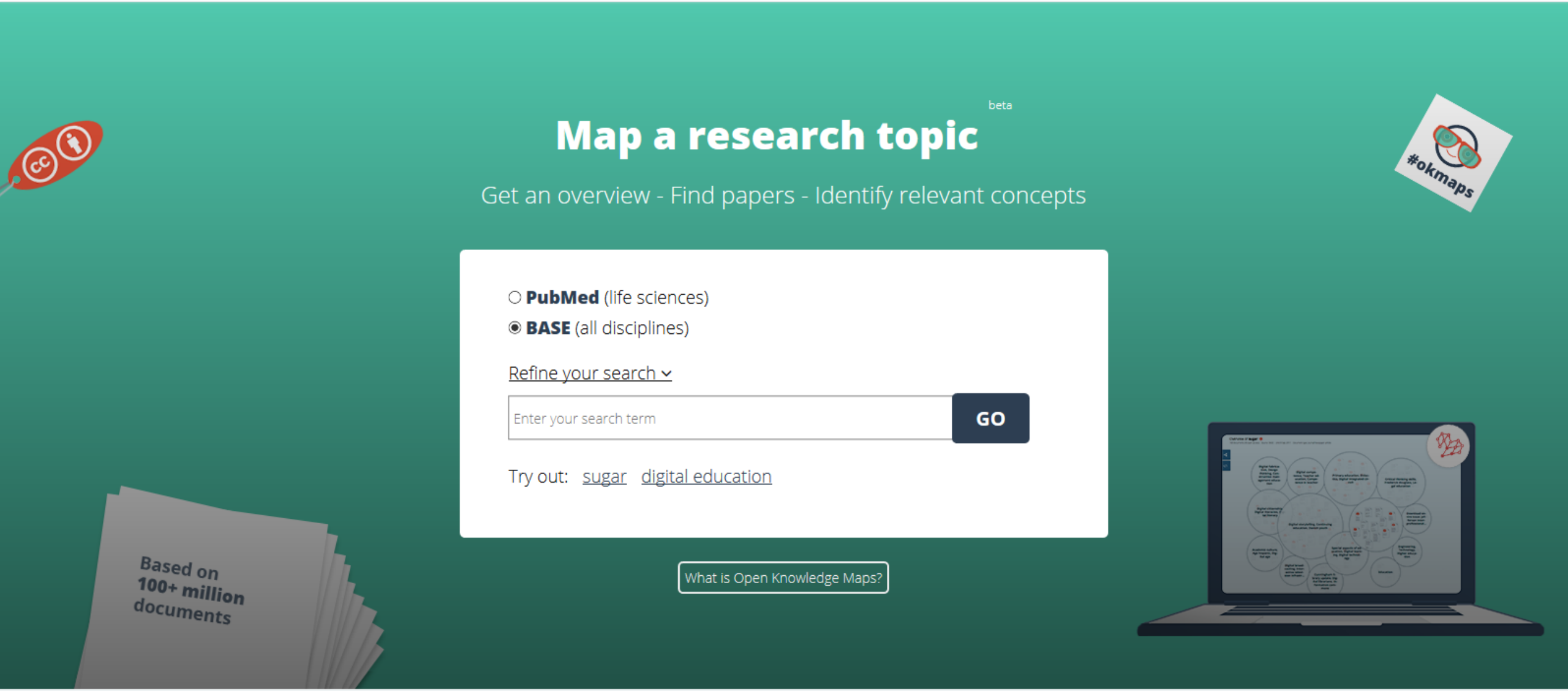
Who we are

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

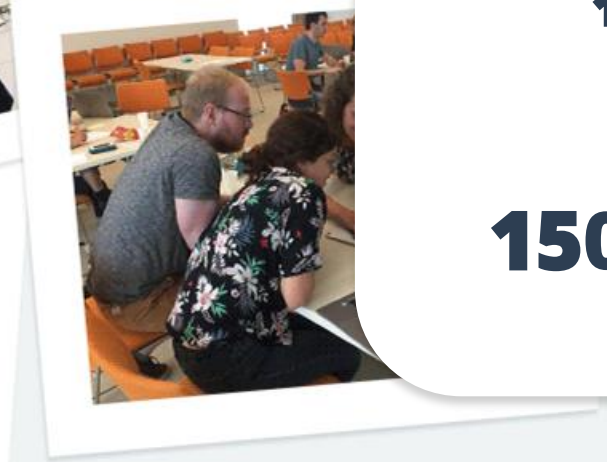


https://openknowledgemaps.org

Advantages

Identify relevant concepts
irrelevant
Find open content
Records, Lecture, laeng
LWL, KNN, K-nearest neighbour
Document Term Matrix, Support Vector Machine, Feature Extraction
SHARE. USE. COLLABORATE.
Crime web mining Huangyan Island Incident
Text Mining, Classification, Social Networking Sites
Big Data, Natural Language Processing, Session Identification
IJCSI, Distributed data mining, Privacy preserving data mining
Six-degree Seperation, Core Figure, Social Networks
Frequent patterns, Meta data conceptual mining
K-means, J48, Hotspot
Loan Default, Time series, Tax administration
Web Structural Mining (WSM), Data mining, Hyperlink
this way to overview

Largest visual search engine for research



First 2.5 years:

½ million visits on the site

100,000+ maps created

1500+ participants in workshops

Open Science Conference · OPEN MINDS [The Austrian Open Source Award] · reddit · c't magazin für computer technik · OpenCon · re:publica THE CONFERENCE. THE EVENT. · mozilla Festival · Hacker News · {} wikicite

ScienceGeist Everything about research · ZBW MEDIATALK · Storybench

All of our services are free & open

Our offering includes:

- Innovative search and discovery services
- Integrations for BASE, PubMed, and OpenAIRE
- A wide range of training activities and materials
- Our award-winning visualization software
- Community support & engagement programs

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

Know Center
Organizational member

Ludwig Boltzmann Gesellschaft

Ludwig Boltzmann Gesellschaft
Supporting member

Advisors

Peter Murray-Rust

Stefanie Lindstaedt

Natalia Manola

Klaus Tochtermann

Bertil F. Dorch

Katja Mayer

Falk Reckling

Claudia Garád

Birgit Schmidt

Daniel Mietchen

Isabella Peters

Michael E. Karpeles

Elisabeth Lex

Osman Aldirdiri

Lambert Heller

Michela Vignoli

Christian Schlögl

Stefan Kasberger

Stefanie Haustein

Andreas Ferus

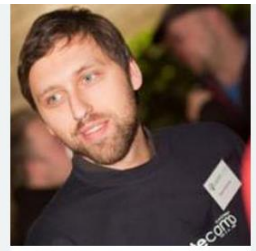
Tony Ross-Hellauer

Christine Zhang

Sebastian Dennerlein

Antica Culina

Florian Heigl



Robert Gutounig

Daniel Dörler

Christian Kaier

Networks

OANA
Open Science Network Austria

AAK
ANNOTATING ALL KNOWLEDGE

GO FAIR

Österreich forscht
www.citizen-science.at

Open Science
Leibniz Research Alliance

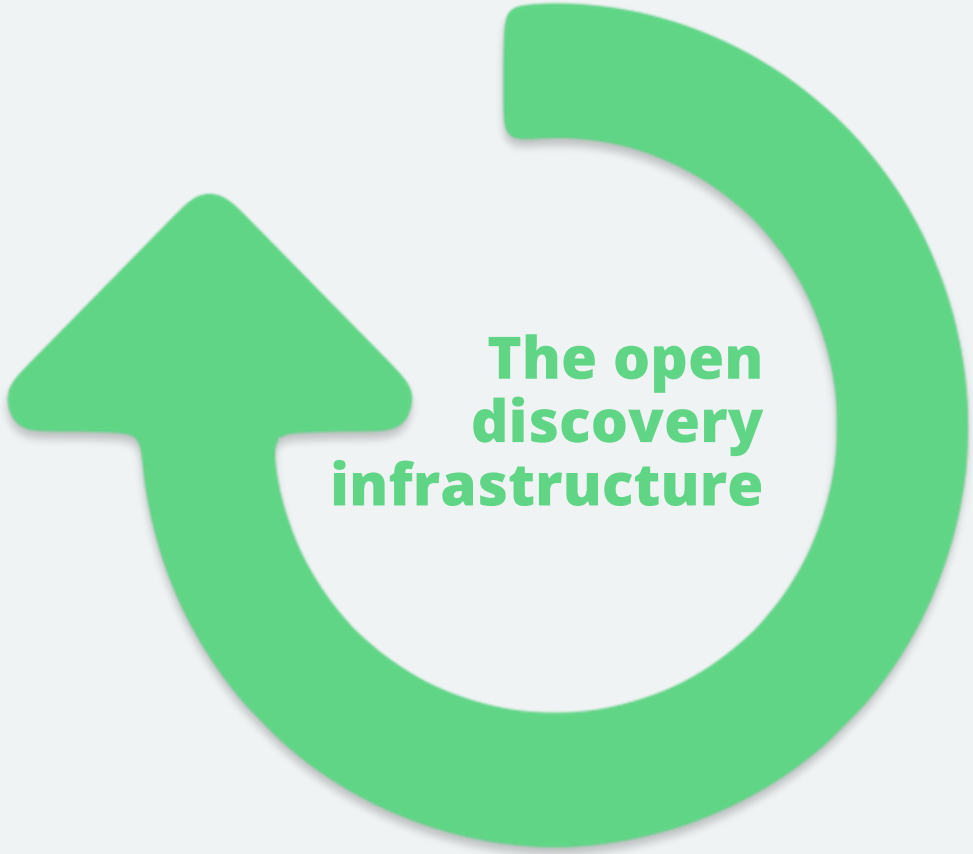
JROST

Strong Partnership with Libraries

Librarians are among **our most important advisors and partners**

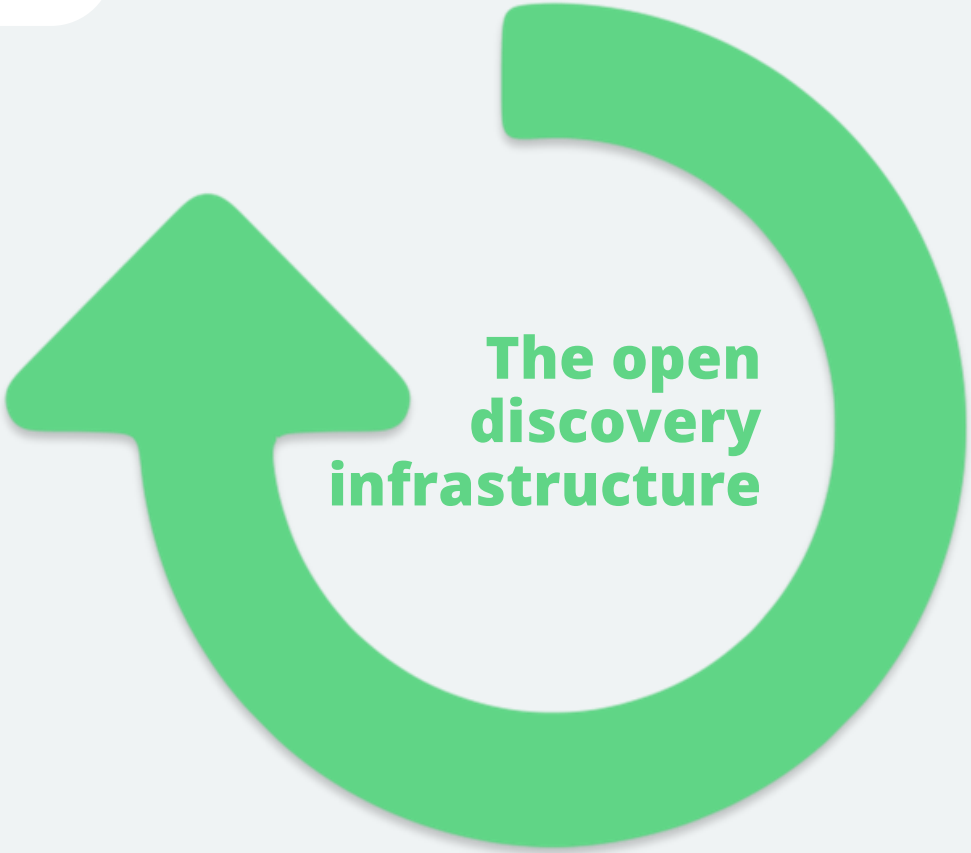
We increase the visibility of library content by including sources that many commercial products do not index

We collaborate with libraries to develop innovative open source projects


The open
discovery
infrastructure

The cycle of continuous innovation

Institutions,Researchers, Publishers



Value added services

OPEN KNOWLEDGE MAPS

ORCID

unpaywall

ContentMine

SCHOLIA

Libraries, Archives, Repositories, Aggregators

WISSEN TECHNIK LEIDENSCHAFT TU Graz

ECONBIZ Find Economic Literature.

PubMed

Crossref

zenodo

arXiv.org

INA-Rxiv

Meta aggregators

OpenAIRE

CORE

BASE

WIKIDATA

Four principles of...

...the information system supporting research

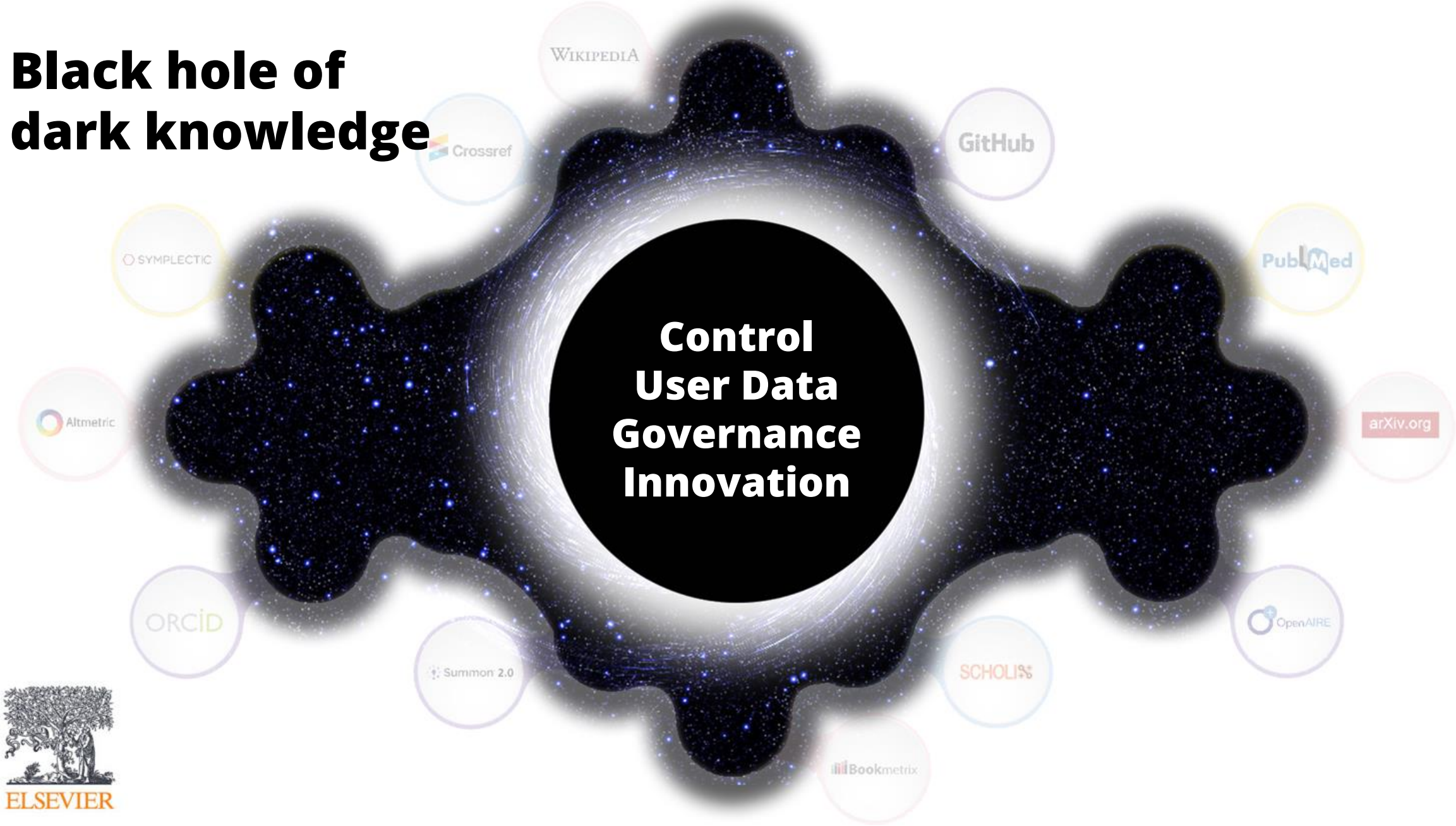
ELSEVIER

© Elsevier

WIKIPEDIA
PLUMX
public methodology
Crossref
Editorial manager
open editorial review
Transparent
Mendeley Data
link to underlying sources
GitHub
SYMPLECTIC
Digital Commons
institution content
Plum Analytics
Plum Prints
web aggregator
SciVal
Benchmarking
visibility of underlying metrics
CiteScore
public methodology
Mendeley
Mendeley API
public API
Pure
multiple system integration
PubMed
Altmetric
Mendeley
Mendeley Feed
cross publisher
Source neutral
DataSearch
cross repository index
SSRN
user-level sharing options
Mendeley
Mendeley Profile
fully user configurable
Reaxys
3rd party content access
Inter-operable
Mendeley Data
multiple data integration
arXiv.org
Scopus
cross publisher & patent offices
ScienceDirect
ScienceDirect APIs
ORCID
User control
Scopus
custom alerts
ScienceDirect
search alerts
OpenAIRE
Summon 2.0
SCHOLIX
Mendeley
Mendeley Library
user-owned library
Bookmetrix

ELSEVIER

Black hole of dark knowledge



ELSEVIER

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

B: Google's revenue from advertising, every 30 seconds

C: Est. revenue of Nature Communications every two days

= €95,000?

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

B: Google's revenue from advertising, every 30 seconds

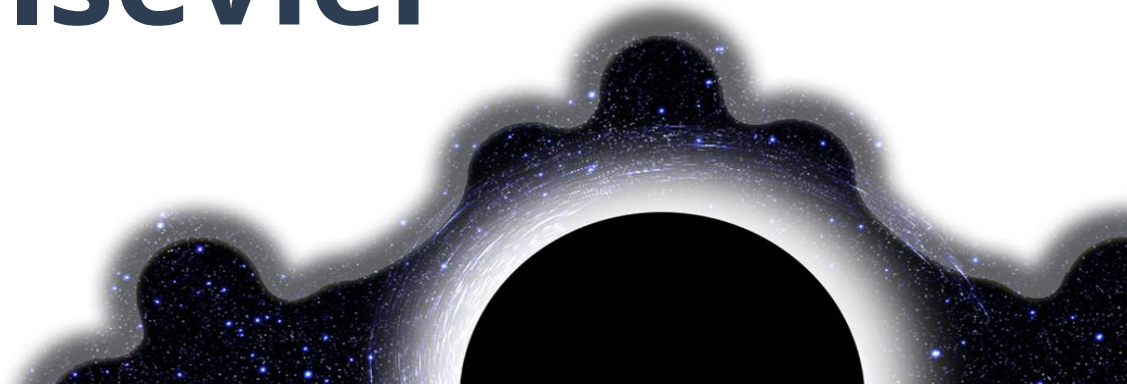
C: Est. revenue of Nature Communications every two days

= €95,000!

D: The total budget of Open Knowledge Maps, including collaboration projects … in the past 2.5 years

Let’s make the open infrastructure sustainable!

#DontLeaveItTo**Google**
#DontLeaveItTo**SpringerNature**
#DontLeaveItTo**Elsevier**



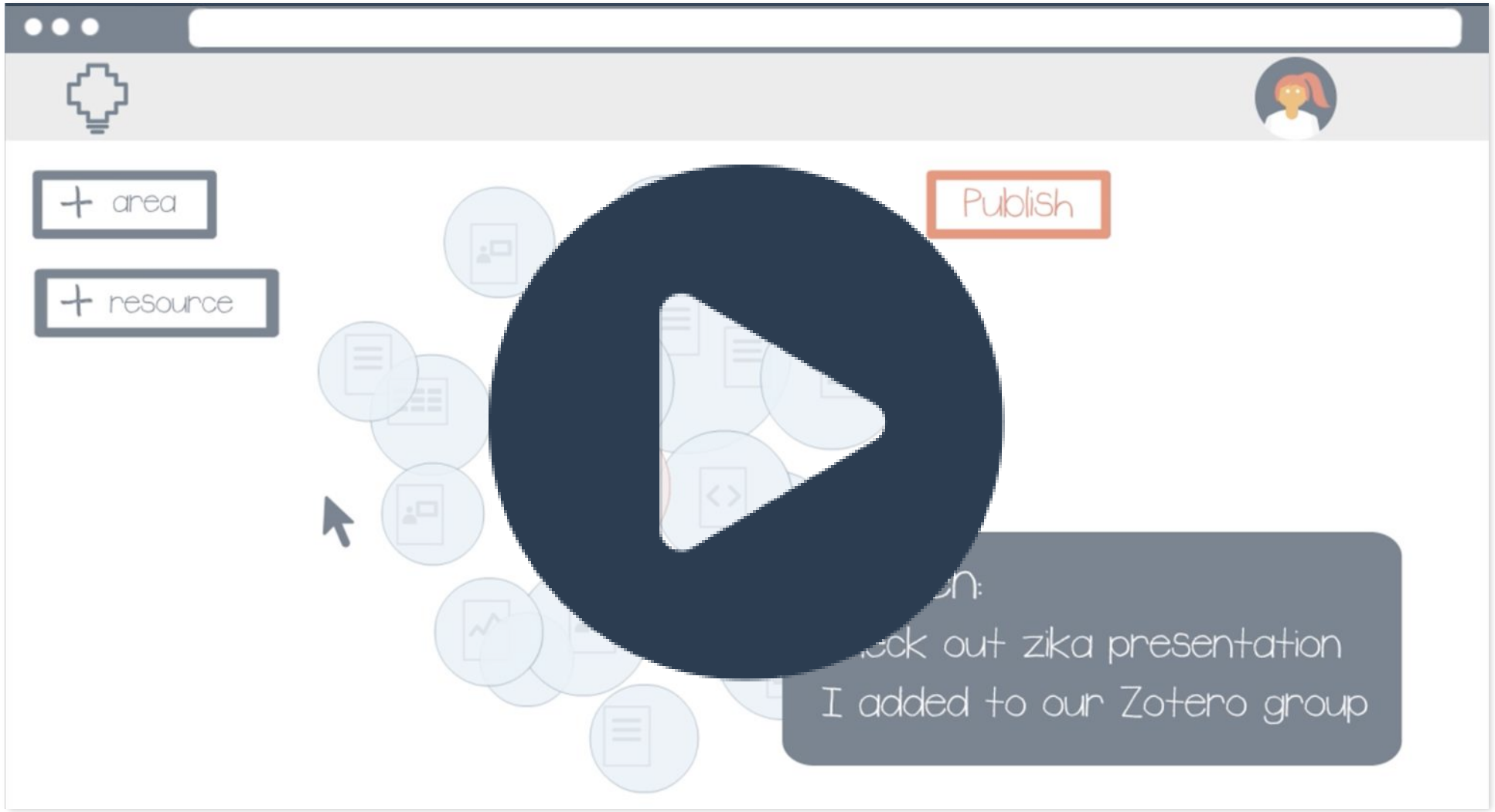
Membership-based Funding

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

In return, we invite our members to co-create the platform with us. Members become part of the Board of Supporters, which is directly involved in the decision-making process for the technical roadmap.

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

Your support matters ❤

Tell us what you think

Introduce OKMaps to your researchers, students and colleagues

Consider becoming a supporting member

… and don’t forget to **sign-up** for our Newsletter ;-)

Unless otherwise noted, all contents (except logos) are licensed under a Creative Commons Attribution 4.0 International License.

Thank you for your attention!

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

OPEN
KNOWLEDGE MAPS