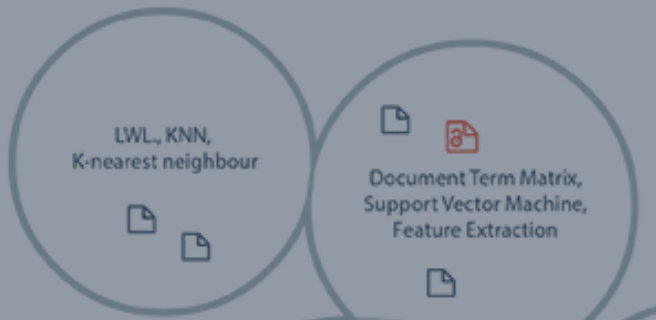
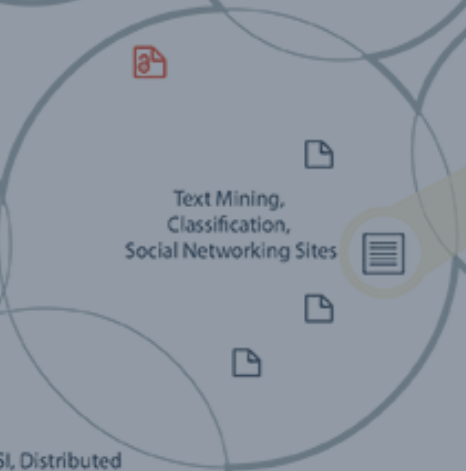
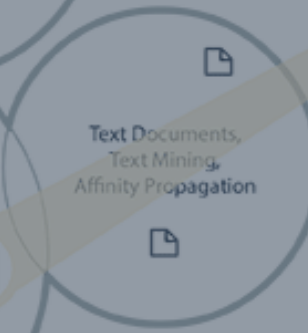
OPEN
KNOWLEDGE MAPS

@PeterKraker

@OK_Maps







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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."**

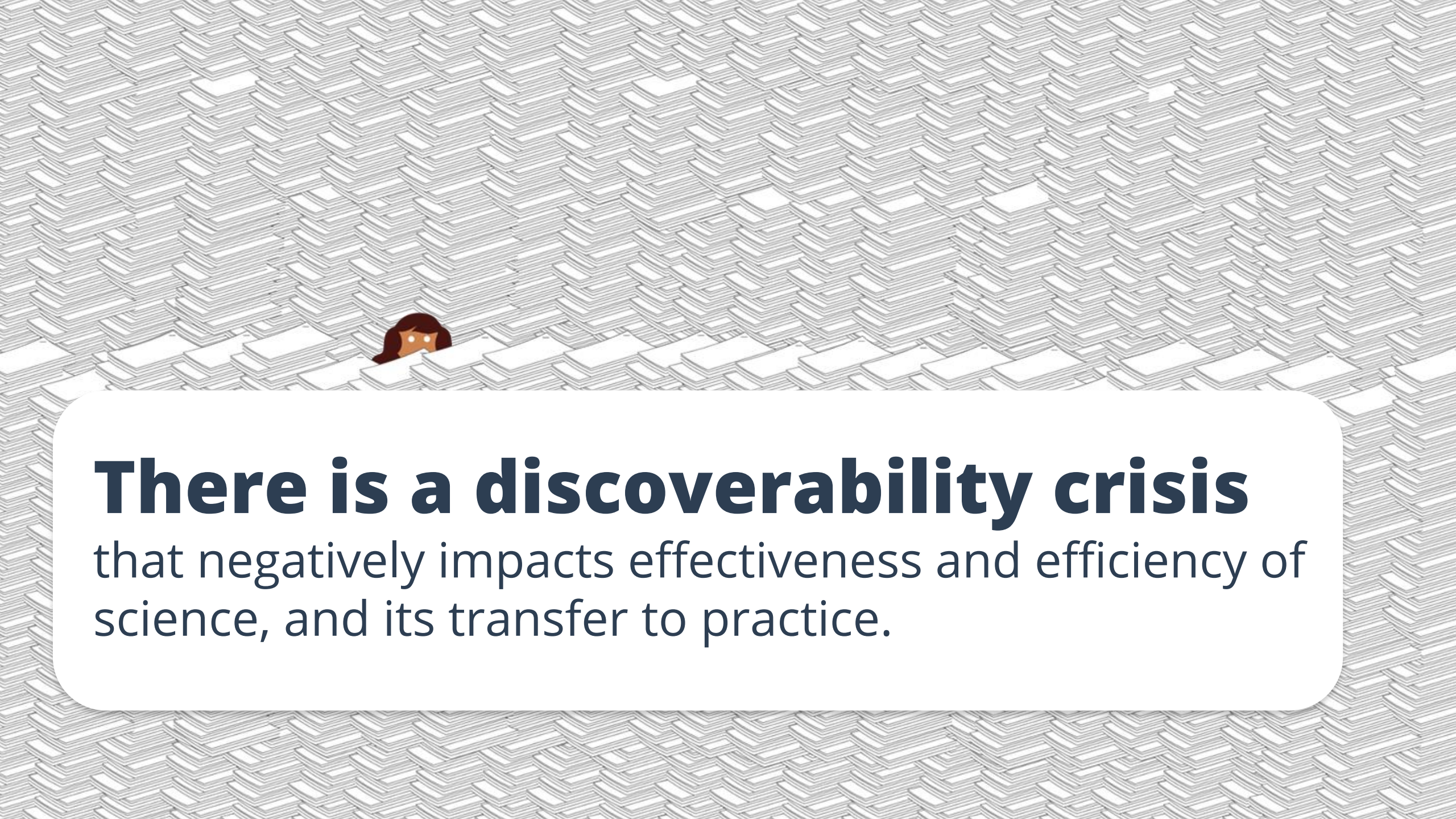
Uncitedness (publications):
12% - 82% (Larivière & Gingras 2009)

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 and 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
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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

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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

Our mission

VISUAL INTERFACE

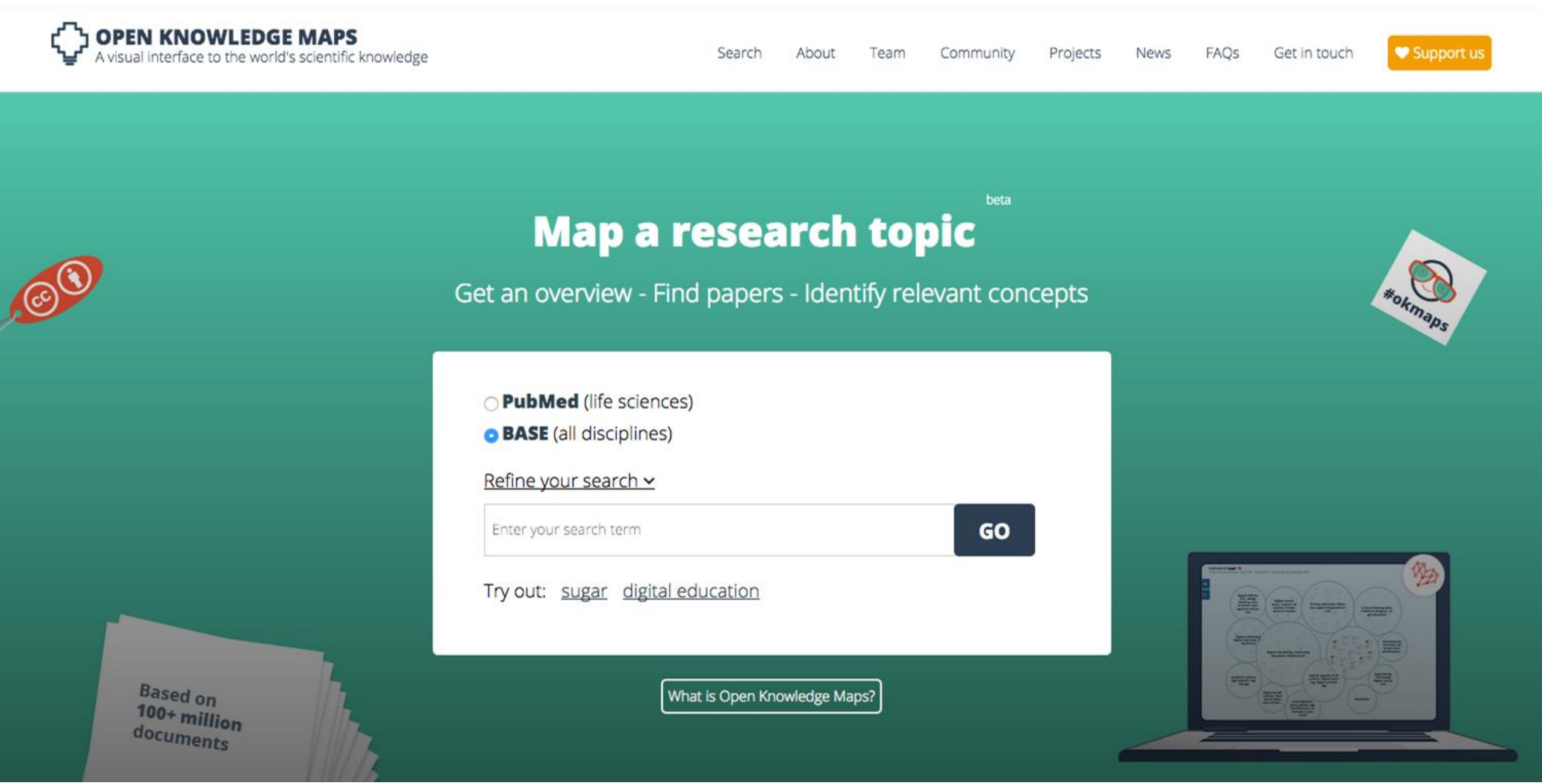
We are creating a visual interface to the world's scientific knowledge that is based on knowledge maps.

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.



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

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

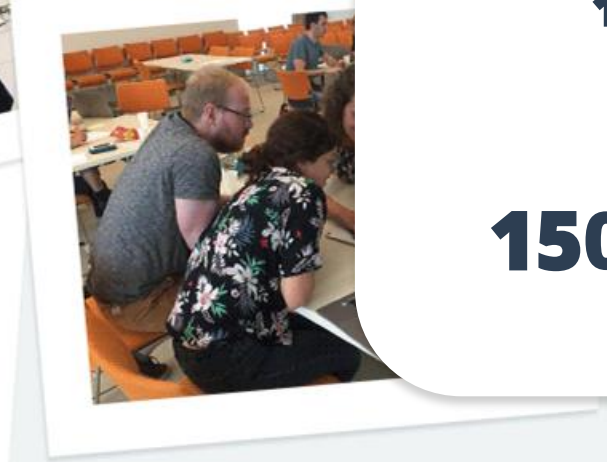
open content

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

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

Core Team

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Founder & Chairman

Maxi Schramm
UX Designer & Treasurer

Christopher Kittel
Data Scientist & Secretary

Asura Enkhbayar
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Scott Chamberlain
Data Sources

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Fabian Kraut
Marketing

Najmeh Shaghaei
Community Coordinator

Björn Brembs
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Thomas Arrow
Frontend Developer

KNOW Center

Know Center
Organizational member

Ludwig Boltzmann Gesellschaft

Ludwig Boltzmann Gesellschaft
Supporting member

Advisors

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Michela Vignoli

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South Africa

Mari Plaza
Data Scientist
Austria

Partners

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ÖSTERREICH

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DEUTSCHLAND

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ROpenSci

BASE

OpenUP

AT
OPEN
KNOWLEDGE
AUSTRIA

Ludwig Boltzmann Gesellschaft

Impactstory

CORE

AfricArXiv

hypothes.is

ContentMine

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Young European Associated Researchers
www.year-network.com

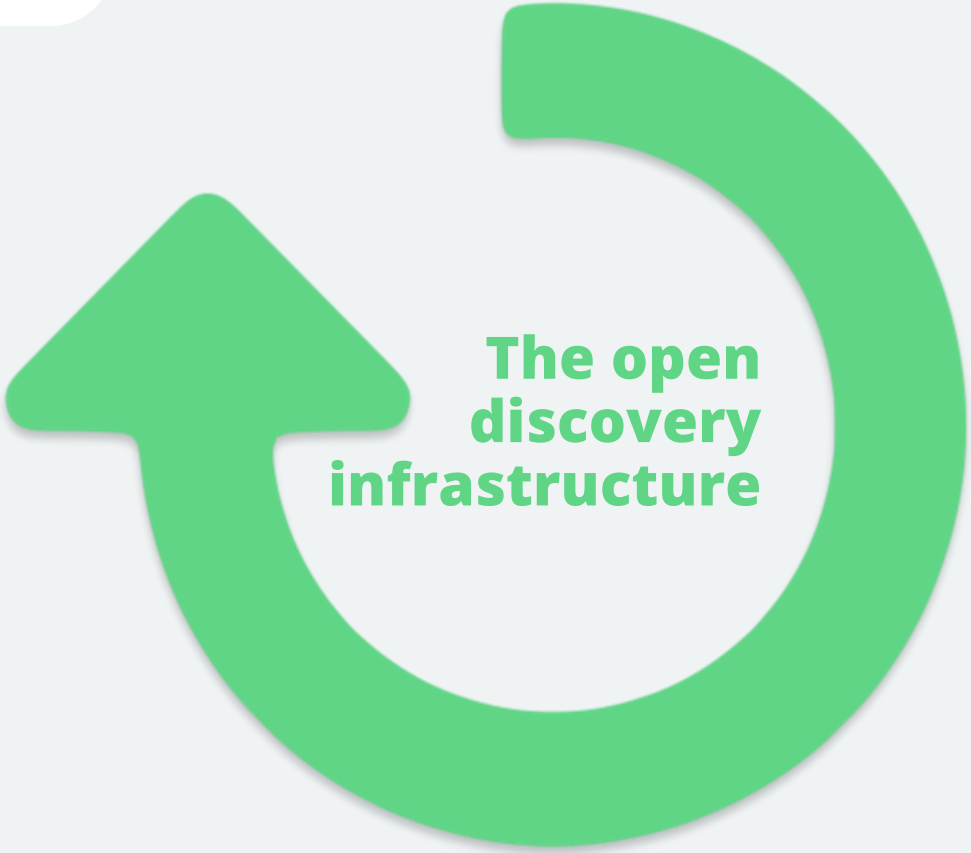
RE
figure

INTERNET ARCHIVE
a

WE
BUILD
EUROPE

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

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

LBG OPEN INNOVATION IN SCIENCE CENTER

GO FAIR

DISCOVERY

BASE

cessda

OPEN KNOWLEDGE MAPS

CORE

DataCite

EUDAT

Alexander von Humboldt Institute for Internet and Society

hypothes.is

IGB

Impactstory

KNOW Center

net7

NIOO

OpenAIRE

OPERAS
open access in the european research area through scholarly communication

RE figure

SCHOLIA

TIB Leibniz Information Centre for Science and Technology University Library

ZBW Leibniz-Informationszentrum Wirtschaft
Leibniz Information Centre for Economics

Questions? Comments?

Training materials

OKMaps Presentation

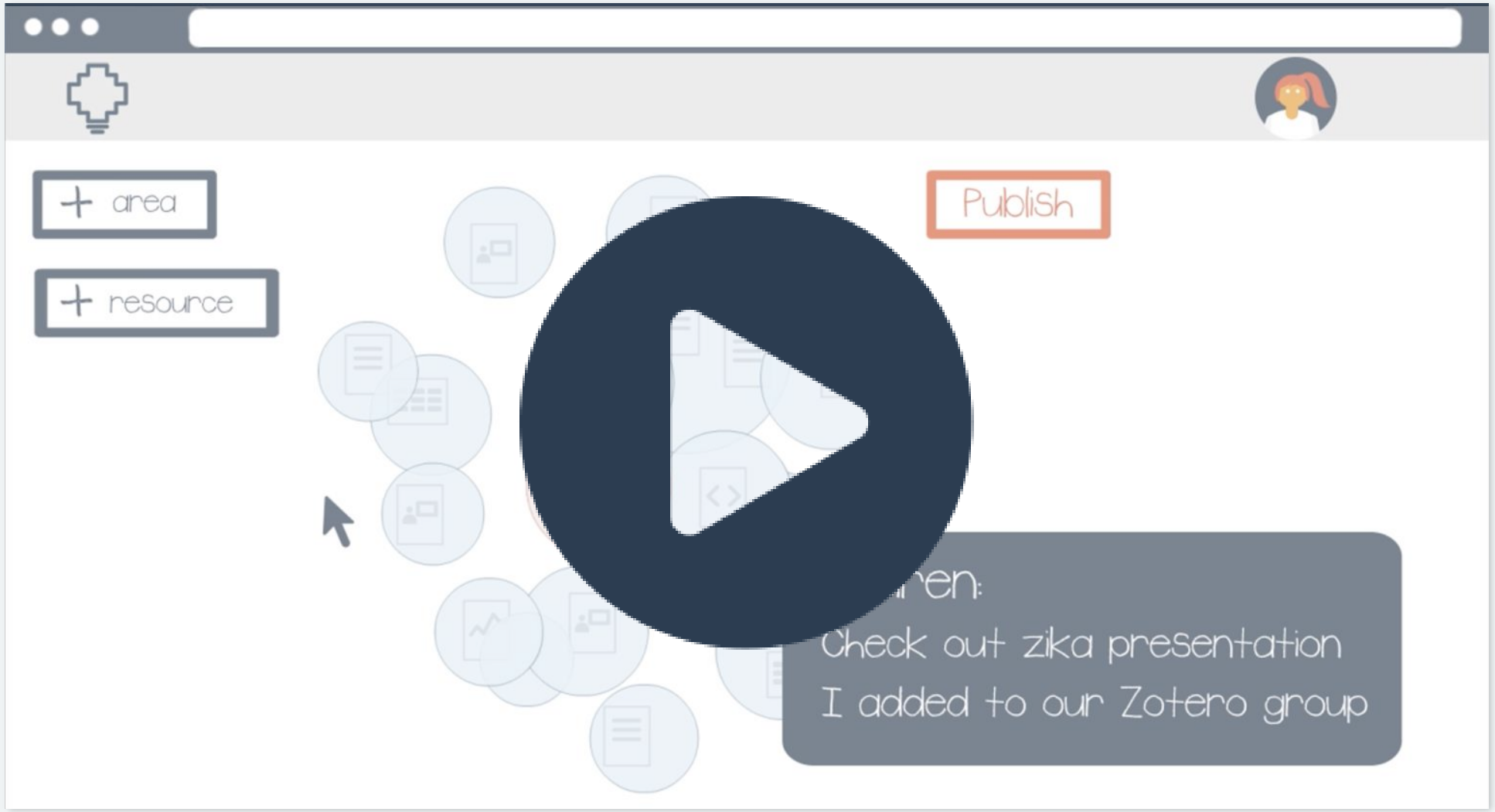
Workshop: Scavenger Hunt

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 ;-)

CC BY

Thank you for your attention!

Contact:
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info@openknowledgemaps.org

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