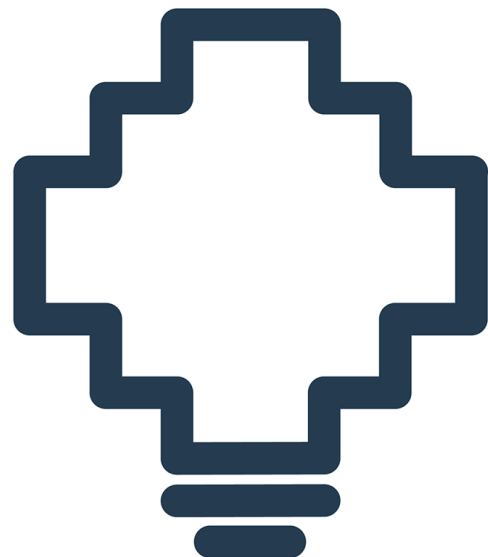


Identify  
relevant  
concepts

irrelevant



# OPEN KNOWLEDGE MAPS

@OK\_Maps

LWL, KNN,  
K-nearest neighbour

Document Term Matrix,  
Support Vector Machine,  
Feature Extraction

Text Mining,  
Classification,  
Social Networking Sites

Text Documents,  
Text Mining,  
Affinity Propagation

CSI, Distributed  
Data mining, Privacy  
Preserving data mining

Frequent patterns,  
Meta data conceptual  
mining

K-means,  
J48, Hotspot

Cooperation,  
Figure,  
Networks

Loan Default,  
Time series,  
Tax administration

Web Structural Mining  
(WSM), Data mining,  
Hyperlink



## **Uncitedness (publications):**

**12% - 82%** (Larivière & Gingras 2009)

## **Uncitedness (data):**

**85%** (Peters et al. 2016)

## **Transfer to practice (medicine):**

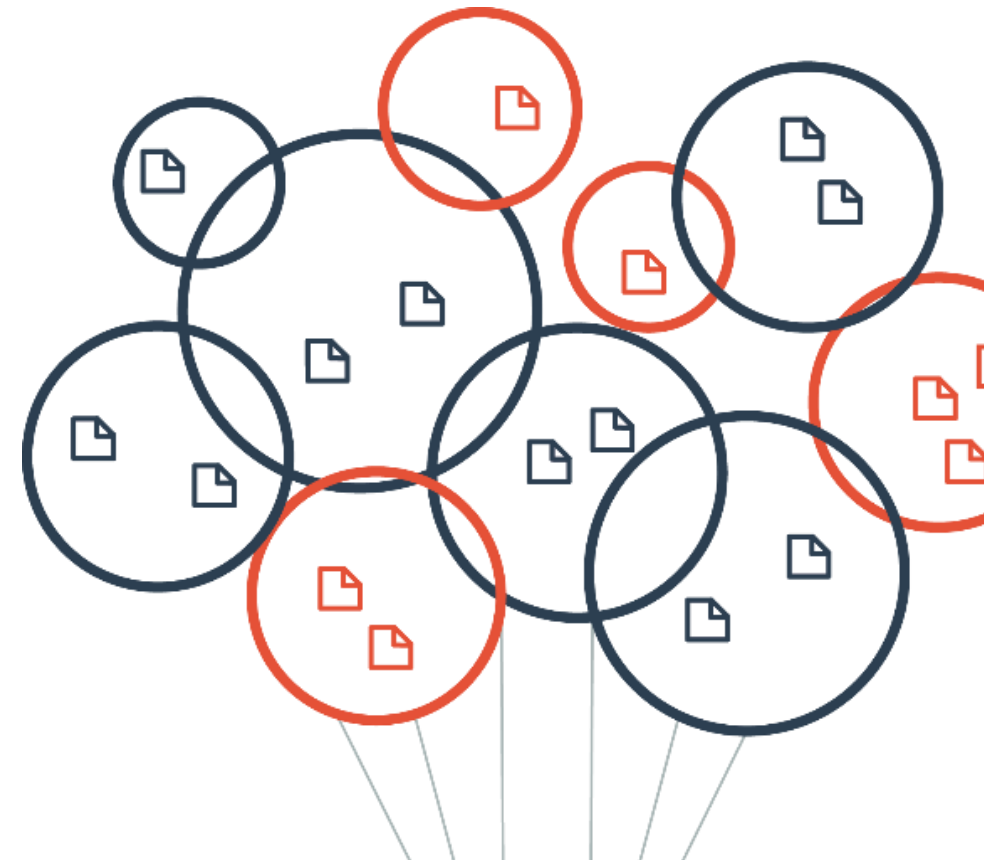
**14%, taking 17 years** (Balas 1998)

# 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

---





# Map a research topic <sup>beta</sup>

Get an overview - Find papers - Identify relevant concepts



☐ **PubMed** (life sciences)

☒ **BASE** (all disciplines)

Refine your search ▼

Enter your search term

GO

Try out: [sugar](#) [digital education](#)

What is Open Knowledge Maps?



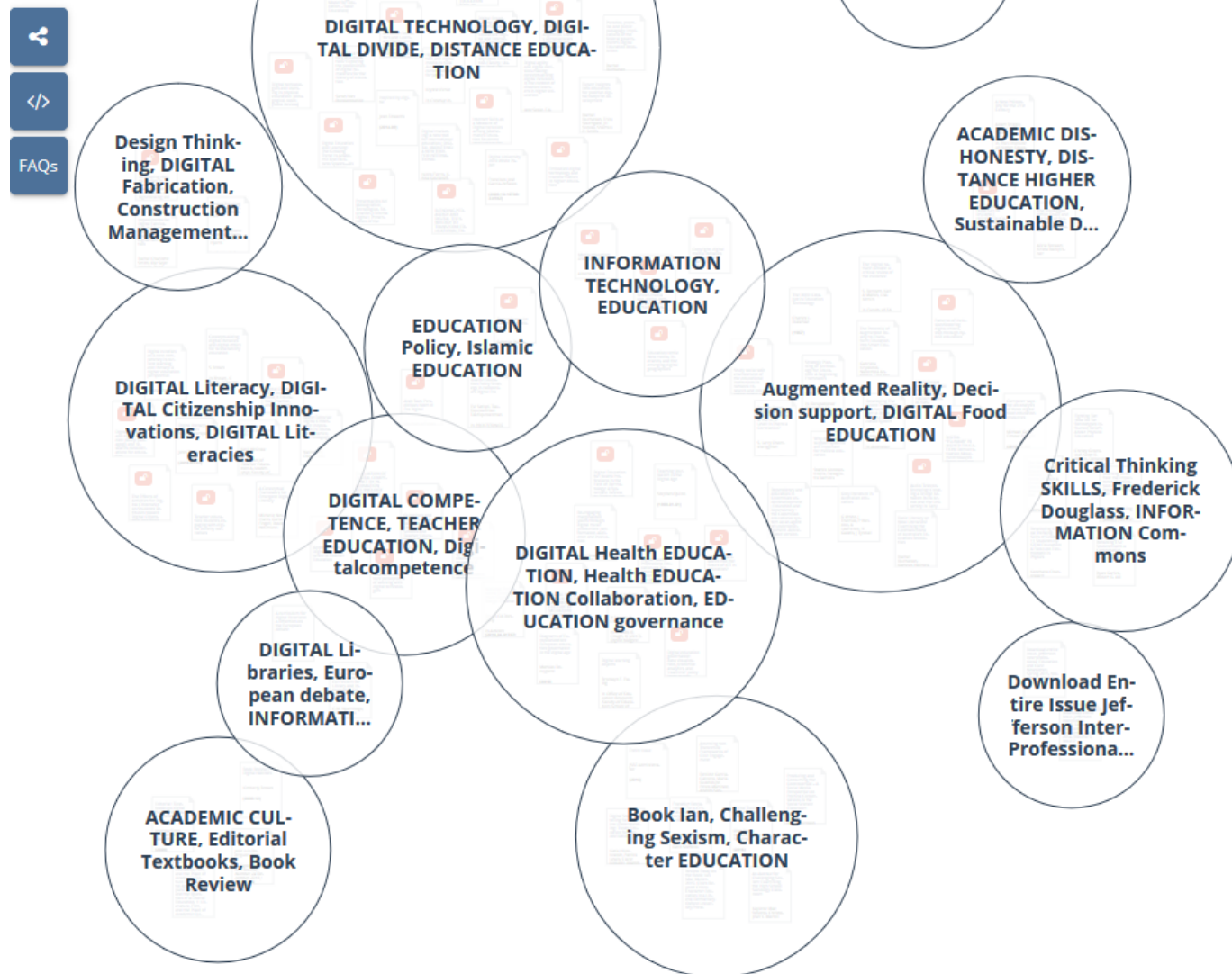
Based on  
**100+ million**  
documents

<https://openknowledgemaps.org>



## Overview of digital education

100 documents (38 open access) Source: BASE All time Document types: Journal/newspaper article



Hide list (100 items)

Search within map...

show: **any**

sort by: **relevance**

### Digital marketing: a new tool for international education ; DIGITAL MARKETING: A NEW TOOL FOR INTERNATIONAL

LINK 

Isidro Fierro, Jihna Gavilanez, Diego Alonso Cardona Arbelaez in *Revista científica Pensamiento y Gestión*; No 43: Jul-Dic 2017 (2017-11-14)

[link]: <http://rcientificas.uninorte.edu.co/index.php/pensamiento/article/view/10260>

In a digital age, International Education has undergone several changes. Digital platforms have eased the way students can access to academic information. Therefore, the education industry has implemented tools to effectively adapt business to studen...

Area: DIGITAL TECHNOLOGY, DIGITAL DIVIDE, DISTANCE EDUCATION

### Review Essay on the Book: Ian Mac Mullen. 2015. Civics Beyond Critics. Character Education in a Liberal Democracy. Oxford University Press.

LINK 

Thorsten Hippe (2016)

[link]: <https://doi.org/10.4119/J SSE-775>

SeriesInformation : JSSE - Journal of Social Science Education, 1-2016 Digital Tools and Social Science Education

Area: Book Ian, Challenging Sexism, Character EDUCATION

open access 

### Цифровые компетенции педагога в контексте трендов современного образования ; Digital Competence of the Teacher in the Context of Modern Education Trends

PDF 

Тетяна Пучковська, Tetiana Puchkovska (2018)

[link]: <http://repository.sspu.sumy.ua/handle/123456789/7016>

В статье обозначены тренды современного образования. Отмечается, что цифровая трансформация образования происходит в контексте этих десяти трендов. Цифровые компетенции рассматриваются как необходимые качества педагога, который работает в современных...

Area: DIGITAL COMPETENCE, TEACHER EDUCATION, Digitalcompetence

### Digital literacy: a Palestinian refugee perspective

LINK 

John Traxler (2018-03-07)

[link]: <http://hdl.handle.net/2436/621604>

This paper is the first attempt to explore digital literacy in the specific context of the Palestinian refugee community in the Middle East by looking at the cultural specificity of digital literacy theorising and practice, by analysing current digit...

Area: DIGITAL Literacy, DIGITAL Citizenship Innovations, DIGITAL Literacies

# Advantages



# 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  
**1000+** participants in workshops

Open Science Conference

OPEN MINDS [The Austrian Open Source Award]

reddit

ct magazin für computer technik

OPENCON

re:publica  
THE CONFERENCE. THE EVENT.

mozilla Festival

Hacker News

{ } wikicite

ScienceGeist  
Everything about research

ZBW  
MEDIATALK

Storybench  
TOOLS, TIPS AND TAKEAWAYS ON DIGITAL STORYTELLING  
FROM NORTHEASTERN UNIVERSITY'S SCHOOL OF JOURNALISM



APR.  
26

## Finding and getting found: a workshop on academic literature search

von Open Science Trainings

Kostenlos



Registrieren

### Beschreibung

#### Aim of the Workshop:

As a researcher you are probably familiar with this situation: you need

### Datum Und Uhrzeit

Fr. 26. April 2019

10:00 Uhr – 12:30 Uhr MESZ

<https://openknowledgemaps.eventbrite.com>

# 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**

**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**



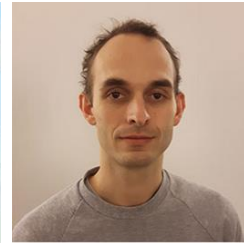
**Lambert  
Heller**



**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**

# 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**

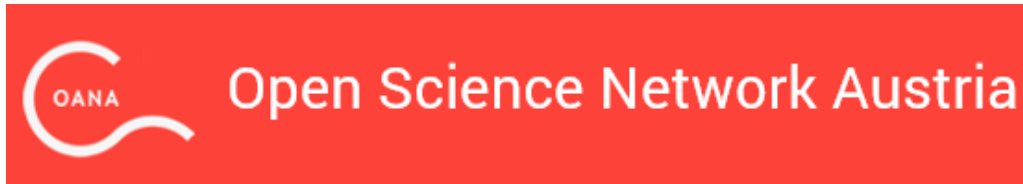
Program Director  
Humboldt-Institut for Internet and Society



# Partners



# Networks



# **Findability vs. discoverability**

**Findability** = attribute of the (meta-)data

**Discoverability** = attribute of the  
infrastructure

**FAIR is a precondition to discoverability**

# A cycle of continuous innovation



Institutions, Researchers,  
Publishers



Libraries,  
Archives,  
Repositories,  
Aggregators

**The open  
discovery  
infrastructure**

Meta aggregators



Value added  
services



# GO FAIR DISCOVERY



OPEN  
KNOWLEDGE MAPS





Discoverability is a key challenge: up to 85% of research data is not reused

Lack of adequate user interfaces for data discovery

Many market entrants following a closed/proprietary model

- Prevents reuse
- Takes away control and governance from the researchers and research institutions

# Discovery IN - Purpose & Objective

Provide user interfaces and other user-facing services for data discovery across disciplines

Explore new and innovative ways of enabling discovery

Apply user involvement and participatory design, going beyond academia

Create FAIR and open infrastructures

**Stocktaking** of relevant use cases as well as indices, interfaces and services

**Structuring:** Defining the standards and structure of an open ecosystem for discovery that fulfils the use cases

**Implementation:** Working towards implementation of the ecosystem