

# Visual discovery for all stakeholders of open science

## The Open Knowledge Maps Custom Services

**Peter Kraker**

With Beate Guba, Andreas Ferus, Andrea Hacker, David Johann, Najmeh Shaghaei, Guido Scherp & Maxi Schramm

**GARR Conference 2021, 8 June 2021, 10:00-12:30 CEST**

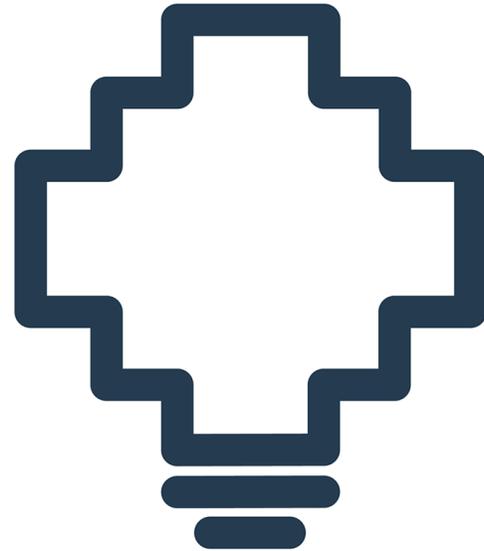




SARA GIRONI CARNEVALE

Scientists are drowning in COVID-19 papers. Can new tools keep them afloat?

Identify relevant concepts



**OPEN**  
KNOWLEDGE MAPS

Irrelevant to your research



@OK\_Maps



# 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

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beta

# Map a research topic

Get an overview - Find papers - Identify relevant concepts



**PubMed** (life sciences)

**BASE** (all disciplines)

[Refine your search](#) ▾

digital education

**GO**

Try out: [digital education](#) [climate change AND impact](#)

[What is Open Knowledge Maps?](#)

Based on  
**240+ million**  
documents

<https://openknowledgemaps.org>

## Overview of **digital education**

100 [most relevant](#) documents (51 open access) Source: BASE Until 16 Feb 2021 [Document types](#) [High metadata quality](#)



Hide list (100 items)

show: **Any** ▾

sort by: **Relevance** ▾

### Conceptualizing digital literacies and digital ethics for sustainability education

S Brown in Brown, S 2014, 'Conceptualizing digital literacies and digital ethics for sustainability education' *International Journal of Sustainability in Higher Education*, vol 15, no. 3, pp. 280-290. DOI:10.1108/IJSHE-08-2012-0078 (2014-08-14)

[link]: <https://www.research.manchester.ac.uk/portal/en/publications/conce...>

Purpose – The purpose of this paper is to discuss the need for integrating a focus on digital literacies and digital ethics into sustainability education, proposing a conceptualization of these for sustainability education. Design/methodology/approach...

**Area:** [Rethinking digital literacy](#), [Digital citizenship](#), [Digital literacies](#)

 open access

### Digital Education And Learning: The Growing Trend In Academic And Business Spaces—An International Overview

P. K. Paul, P. S. Aithal (2018)

[doi]: <https://doi.org/10.5281/zenodo.1292856>

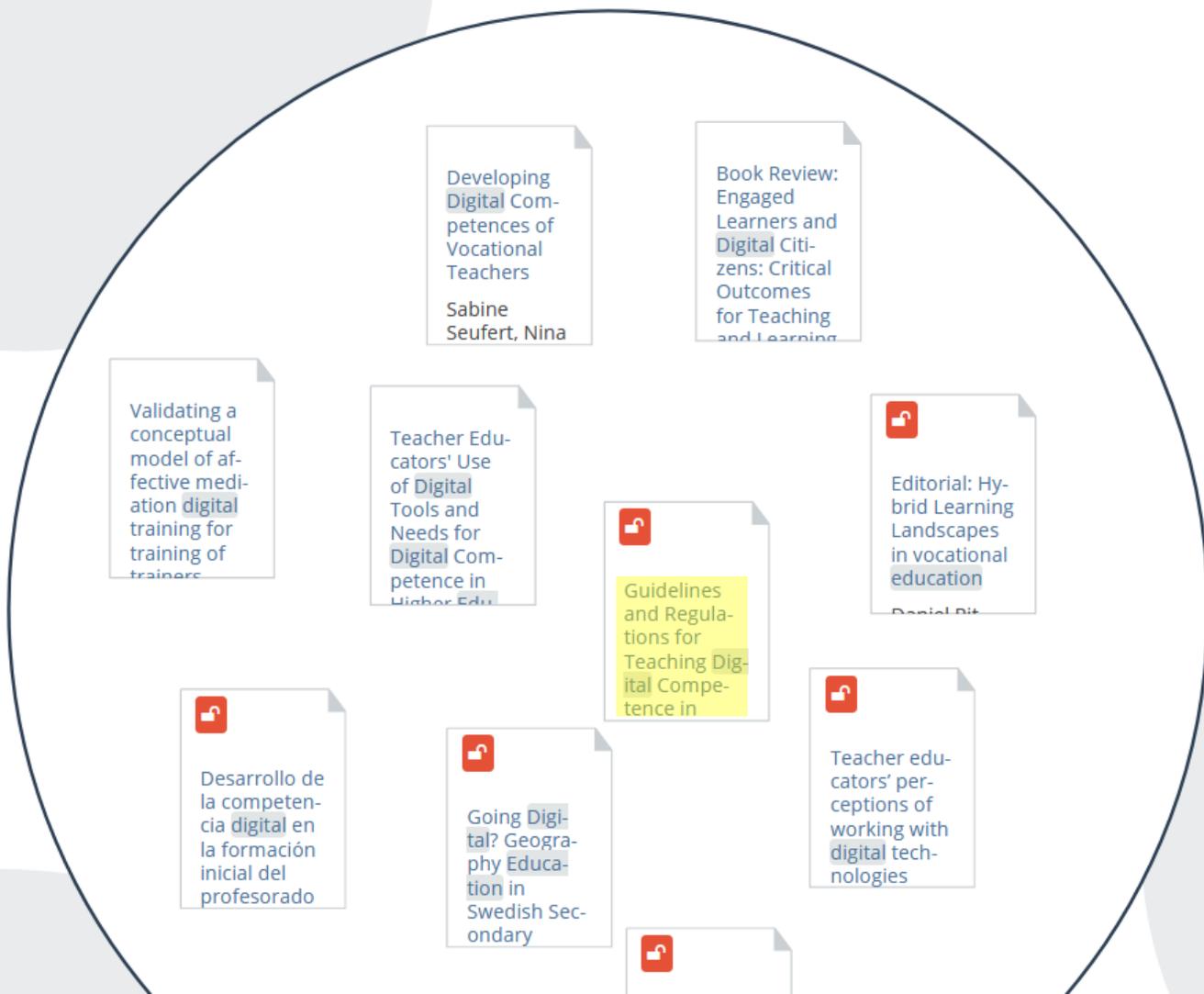
Abstract ; The world becomes Digital day by day and thus activities, features and sectors and different spaces are highly associated with Digital Tools, Techniques and Technologies. Education domain becomes highly technology enabled in recent past an...

**Area:** [Digital natives](#), [Digital technology](#), [Digital education revolution](#)

Paradox, promise and public pedagogy: implications of the fed- 

## Area: Digital competence, Digital teaching, Teacher educators

[← Back to overview](#)



Hide list (10 items)

Search within map...

show: Any ▾

sort by: Relevance ▾

### Validating a conceptual model of affective mediation digital training for training of trainers (TOT) in education through expert reviews

LINK

Siti Nurhazzalilla Omar, Sobihatun Nur Abdul Salam, Fauziah Abdul Rahim (2019)

[link]: <http://repo.uum.edu.my/26995/>

Training on affective mediation to TOT using digital tool is needed to motivate trainers to learn. However, to develop a digital training tool that will meet the training's objectives has require a model to be based on. Thus, this paper describes the...

**Area:** [Digital competence](#), [Digital teaching](#), [Teacher educators](#)

open access

### Guidelines and Regulations for Teaching Digital Competence in Schools and Teacher Education: A Weak Link?

PDF

Bård Ketil Engen, Tonje Hilde Giæver, Louise Mifsud in *Nordic Journal of Digital Literacy*, Vol 10, Pp 69-83 (2015) (2015-01-01T00:00:00Z)

[link]: <https://doaj.org/article/141634970a3547bba0b28dd852322600>

Abstract Teacher education has recently been criticised for not fulfilling its obligation to adequately prepare teachers to utilise digital tools in the classroom. In this paper, we raise the question of why Norwegian teacher education does not prepa...

**Area:** [Digital competence](#), [Digital teaching](#), [Teacher educators](#)

open access

Teacher educators' perceptions of working with digital tech-

PDF

Validating a conceptual model of affective mediation digital training for training of trainers

Desarrollo de la competencia digital en la formación inicial del profesorado

Become a supporting member

1 of 15 Automatic Zoom

Nordic Journal of Digital Literacy, volume 10, no 2, 2015 p. 69–83  
ISSN online: 1891-943X

PEER REVIEWED ARTICLE

# Guidelines and Regulations for Teaching Digital Competence in Schools and Teacher Education: A Weak Link?

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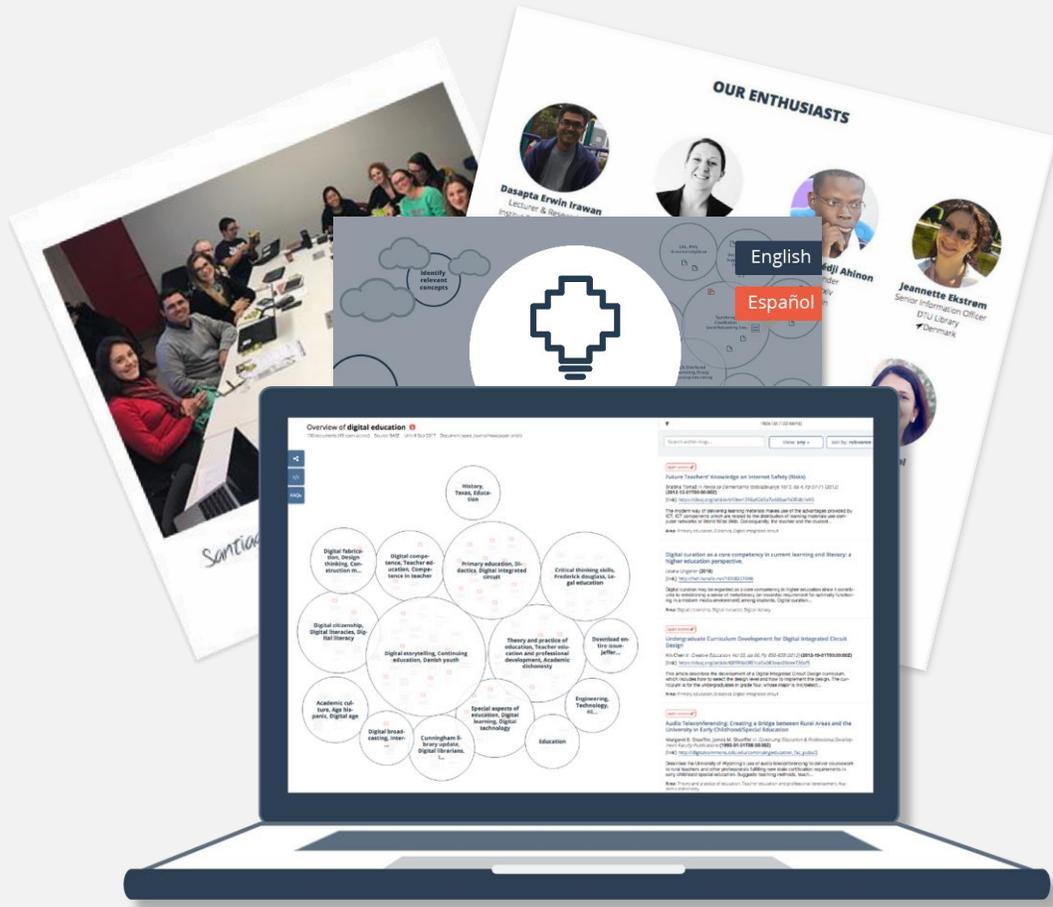
ABSTRACT

# Largest visual search engine for research

Since May 2016:  
**1+ million** visits  
**350,000+** maps created  
**3500+** participants in workshops



# 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





**EUROPEAN OPEN  
SCIENCE CLOUD**

# Select projects

**TRIPLE** - The multilingual discovery platform  
for the social sciences and humanities  
**EU Horizon 2020**



**CoVis** – A curated, collaborative & visual knowledge  
base for COVID-19 research  
**EOSC Secretariat COVID-19 Fast-Track Funding**



**VIPER** – The Visual Project Explorer  
**OpenAIRE Tender Calls**





# DISCOVERY



# New: Custom Services

**What?** Harness the full potential of Open Knowledge Maps for research organisations

**Why?** Better overview of resources and collections and faster identification of pertinent information

**How?** Enable embedding of Open Knowledge Maps components in institutional services based on institutional data

# OKMaps Visual Search

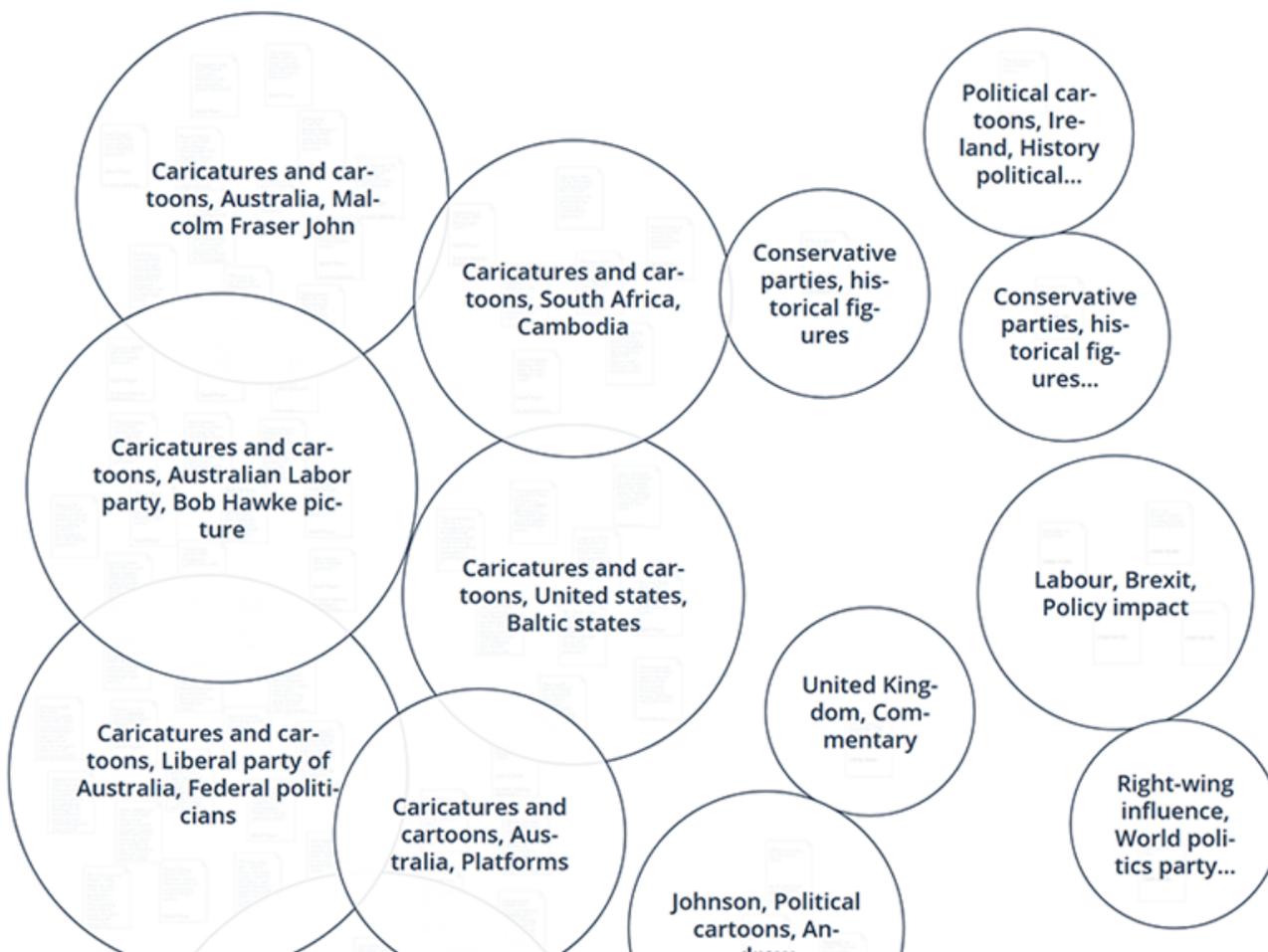
Data source: Cartoon Archive

political cartoons

SEARCH

## Overview of political cartoons i

100 most relevant documents Source: Cartoon Archive



Hide list (100 items)

Search within map... show: Any sort by: Relevance

**Political cartoon, "The Tailor and Rail-Splitter Mending the Union"** LINK  
in *Library Photograph Collection ; Tennessee State Library and Archives (1865)*  
[link]: <http://cdm15138.contentdm.oclc.org/u?johanson,18>

Political cartoon depicting Andrew Johnson seated on a world globe, stitching together a map of the United States, with Abraham Lincoln using a "rail-splitter" to reposition it. ; This political cartoon echoes an 1865 illustration by Joseph E. Baker,...

**Area:** [Johnson, Political cartoons, Andrew](#)

**Pryor's Christmas List [Malcolm Fraser, Bob Hawke, Bill Hayden, Doug Anthony, Joh Bjelke-Petersen, Ted Kennedy, Jimmy Carter, Ayatollah Khomeini, Rupert Murdoch] [picture]** LINK

Geoff Pryor in *Item held by National Library of Australia (1979-01-01)*  
[link]: <http://nla.gov.au/nla.pic-an22964204>

Title devised by cataloguer.; Published in the Canberra Times on 23 December 1979.; Part of the Pryor collection of cartoons and drawings. The Sunday Panel. It is just two days to Christmas, and the panel looks at the wish lists of a number of nation...

**Area:** [Caricatures and cartoons, Australia, Malcolm Fraser John](#)

**"Jeeves would you mind not grinding your teeth" [John and Janette Howard with butler Peter Costello] [picture]** LINK



Search bar containing the text "digital education"

30.048 results for digital education

- Placeholder for search results, consisting of three sets of horizontal lines representing text.





# Explore our recent research on digital education

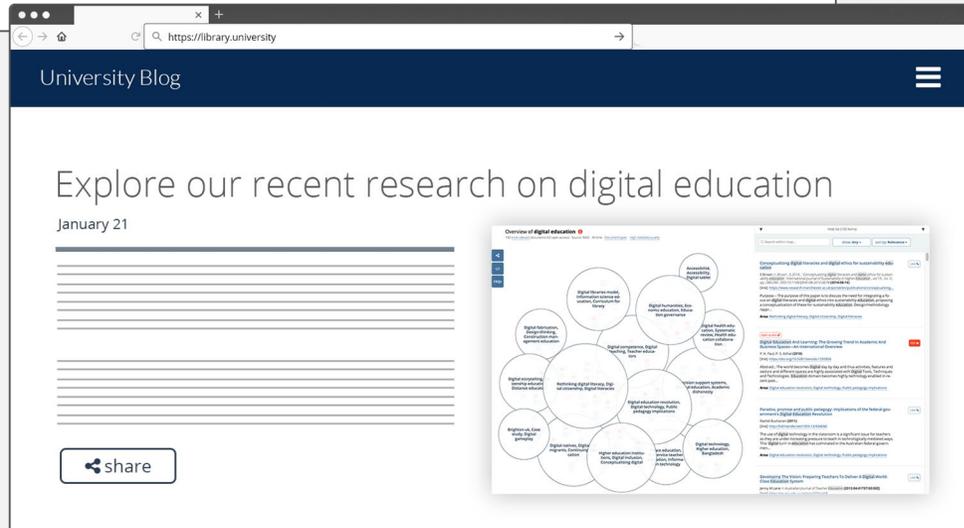
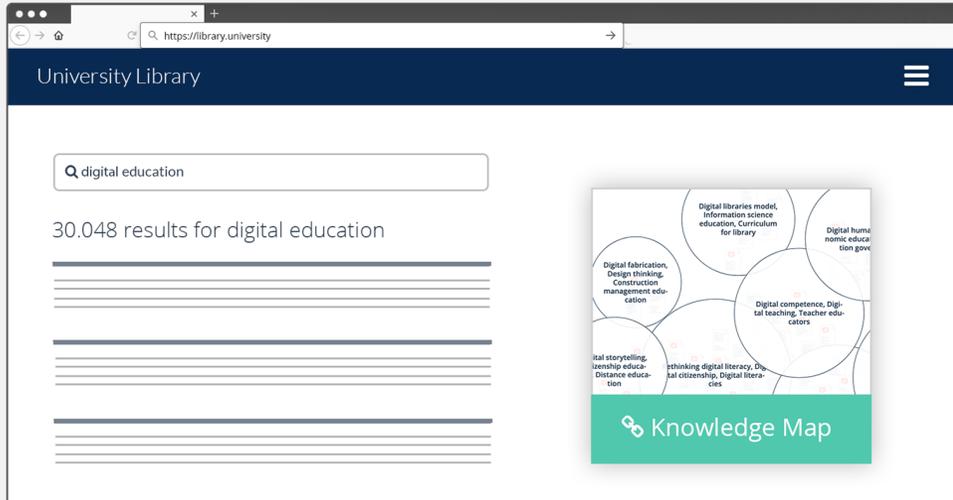
January 21

[Placeholder for article content]





# Custom services



OPEN  
KNOWLEDGE  
MAPS



Aggregator



Institutions



ETH-Bibliothek

# ETH Use Case

ETH zürich

ETH-Bibliothek @ swisscovery

Neue  
Suche

Hilfe

ETH-  
Bibliothek



Anmelden

Menü

cereals disease resistance genomics



swisscovery ohne CDI



Erweiterte Suche

Andere Such-Tools

Ergebnisse optimieren

Sortieren nach Relevanz

Zeige nur

Online verfügbar

Verfügbar in Bibliotheken

Ressourcentyp

Bücher (14)

Tagungsprotokolle (4)

Jahr

von Bis

0 ausgewählt SEITE 1 18 Ergebnisse

1



BUCH

**Genetics and Genomics of the Triticeae**

Plant Genetics and Genomics: Crops and Models, 2363-9601 ; 7; Plant Genetics and Genomics: Crops and Models, 2363-9601 ; 7

1st ed. 2009. - 2009.

Verfügbare Services überprüfen

2



TAGUNGSPROTOKOLL

**Cereals for food, feed and fuel - challenge for global improvement : EUCARPIA Cereals Section - I.T.M.I Joint Conference, Wernigerode, Germany, June 29 - July 4, 2014 : book of abstracts**

EUCARPIA Cereals Section - I.T.M.I Joint Conference 2014 Wernigerode 2014

Verfügbar bei ETH Grüne Bibliothek E05BI (LD 95 97)

SEITE  
1



# ETH Use Case

Schicken Sie Ihre Suchanfrage...

cereals disease resistance genomics



...in eines der folgenden Such-Tools:

### Explorieren nach Thema

- [Open Knowledge Maps \(Generell\)](#)
- [Open Knowledge Maps \(Life Science, Pubmed\)](#)
- [Connected Papers](#)

### Multidisziplinäre Datenbanken

- [Dimensions](#)
  - [Scopus](#)
  - [Web of Science](#)
- Fachdatenbanken siehe [Website](#)

Einfache Suche

Erweiterte Suche

Mehr Informationen zu nützlichen Such-Tools [Link auf Webseite](#)

# Membership-based Funding Model

**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 of what features and sources are implemented on Open Knowledge Maps.

# Membership Categories



## Supporting member

**1 seat** on the Board of Supporters, listing on website

starting at **EUR 2,800** per year



## Sustaining member

**2 seats** on the Board of Supporters, listing on website and in select materials with logo

starting at **EUR 4,800** per year



## Sustaining member PLUS

**3 seats** on the Board of Supporters, listing on website and in select materials with logo

starting at **EUR 9,800** per year

# Join our supporting members!

u<sup>b</sup>

b  
UNIVERSITÄT  
BERN

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WIEN Your knowledge hub

**ETH** zürich

ETH-Bibliothek

 LUDWIG  
BOLTZMANN  
GESELLSCHAFT

 universität  
wien

 TU  
Graz

**SDU**   
University Library of  
Southern Denmark

*di:*angewandte  
Universität für angewandte Kunst Wien  
*University of Applied Arts Vienna*

 Copernicus Publications  
The Innovative Open Access Publisher

**ZBW** Leibniz-Informationszentrum  
Wirtschaft  
Leibniz Information Centre  
for Economics

**]a[** akademie der bildenden künste wien



# Thank you for your attention!

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