

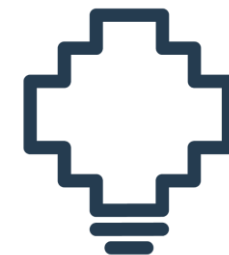
Elevate Your Research

The Fascinating World of Open Science Tools

Dr. Peter Kraker

Co-created with Maxi Schramm

RUB Open Science Week
23 October 2023



OPEN
KNOWLEDGE
MAPS



SARA GIRONI CARNEVALE

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

Issues with research data discovery

"It involves **making phone calls and looking around in the web** and figuring it out where I can find the information that I need to answer that particular question"

Curty (2016). <https://doi.org/10.2218/ijdc.v11i1.401>

"I just search for keywords (in Google]) – prostate, MRI, segmentation...but it is not very effective. **I can't remember a single instance when I found something useful. [...]**"

Gregory et al. (2020). <https://doi.org/10.1177/0165551519837182>



Articles

About 210.000 results (0,03 sec)

Any time

Since 2020

Since 2019

Since 2016

Custom range...

Sort by relevance

Sort by date

☒ include patents


☒ include citations

☒ Create alert

COVID-19: consider cytokine storm syndromes and immunosuppression

P Mehta, DF McAuley, M Brown, E Sanchez... - The Lancet, 2020 - thelancet.com


As of March 12, 2020, coronavirus disease 2019 (**COVID-19**) has been confirmed in 125 048 people worldwide, carrying a mortality of approximately 3· 7%, 1 compared with a mortality rate of less than 1% from influenza. There is an urgent need for effective treatment ...

☆  Cited by 586 All 6 versions

Presumed asymptomatic carrier transmission of COVID-19

Y Bai, L Yao, T Wei, F Tian, DY Jin, L Chen, M Wang - Jama, 2020 - jamanetwork.com

Methods| In January 2020, we enrolled a familial cluster of 5 patients with fever and respiratory symptoms who were admitted to the Fifth People's Hospital of Anyang, Anyang, China, and 1 asymptomatic family member. This study was approved by the local ...

☆  Cited by 693 All 5 versions

COVID-19 and Italy: what next?

A Remuzzi, G Remuzzi - The Lancet, 2020 - Elsevier


The spread of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) has already taken on pandemic proportions, affecting over 100 countries in a matter of weeks. A global response to prepare health systems worldwide is imperative. Although containment ...

☆  Cited by 476 All 35 versions

An interactive web-based dashboard to track COVID-19 in real time

E Dong, H Du, L Gardner - The Lancet infectious diseases, 2020 - thelancet.com

In December, 2019, a local outbreak of pneumonia of initially unknown cause was detected in Wuhan (Hubei, China), and was quickly determined to be caused by a novel coronavirus, 1 namely severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2). The outbreak ...

☆  Cited by 572 All 7 versions

Dark Knowledge

(Jeschke et al.)



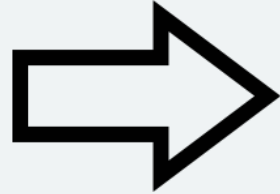
Institutions



Researchers



Publishers



ResearchGate

WEB OF SCIENCE™

Google
Scholar

Scopus®

WALLOF
DARK
KNOW
LEDGE

The cycle of continuous innovation



Institutions, Researchers,
Publishers



Libraries,
Archives,
Repositories,
Aggregators

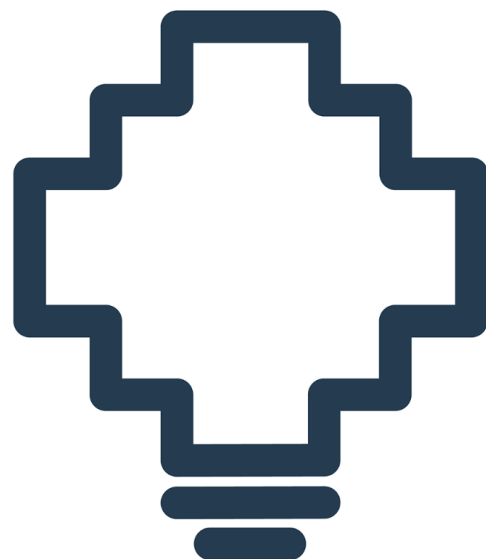
The open
discovery
infrastructure

Value added
services

Meta aggregators



Identify
relevant
concepts

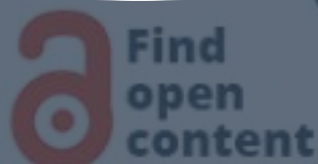


OPEN KNOWLEDGE MAPS

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





Map a research topic ^{beta}

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

Based on
240+ million
documents

[What is Open Knowledge Maps?](#)

<https://openknowledgemaps.org>



Overview of digital education i

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

[LINK](#)

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

[PDF](#)

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...

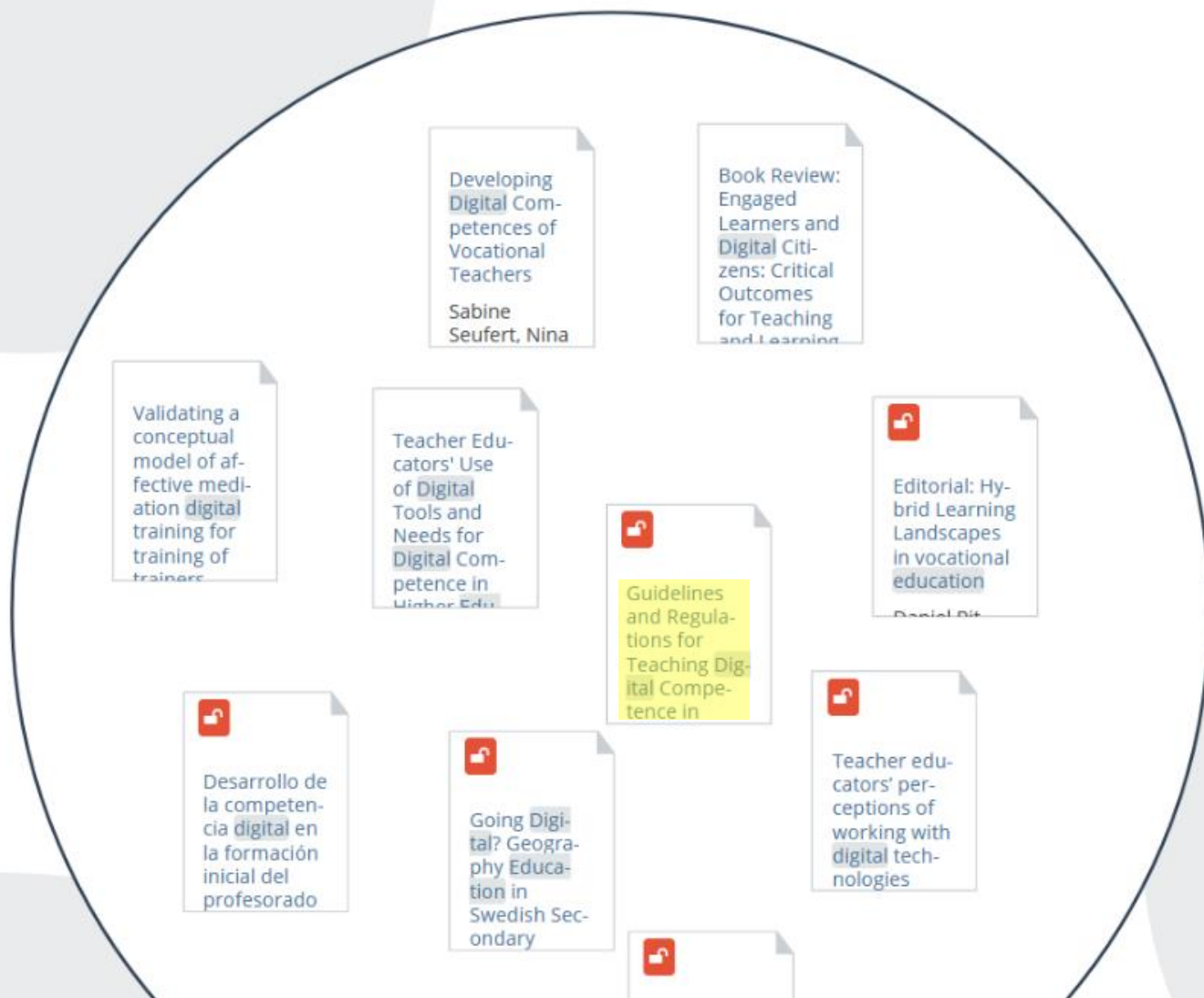
Area: [Digital natives](#), [Digital technology](#), [Digital education revolution](#)

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

[LINK](#)



Area: Digital competence, Digital teaching, Teacher educators

[← Back to overview](#)

Hide list (10 items)

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 Gæver, 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

Digital Competence in

in *Nordic Journal of Digital*

002)

criticised for not fulfilling
to utilise digital tools in
tion of why Norwegian
achers to integrate digi-
Norwegian curriculum.
e development of digital
y correspond with the re-
n curriculum. To gain in-
l competence is pre-
e the framework for
requirements of the
indicate that there is a
nises for digital compe-



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?

Bård Ketil Engen¹

Associate Professor, Oslo and Akershus University College, Faculty of Education and International Studies, Norway
Bard-Ketil.Engen@hioa.no

Tonje Hilde Gjaever

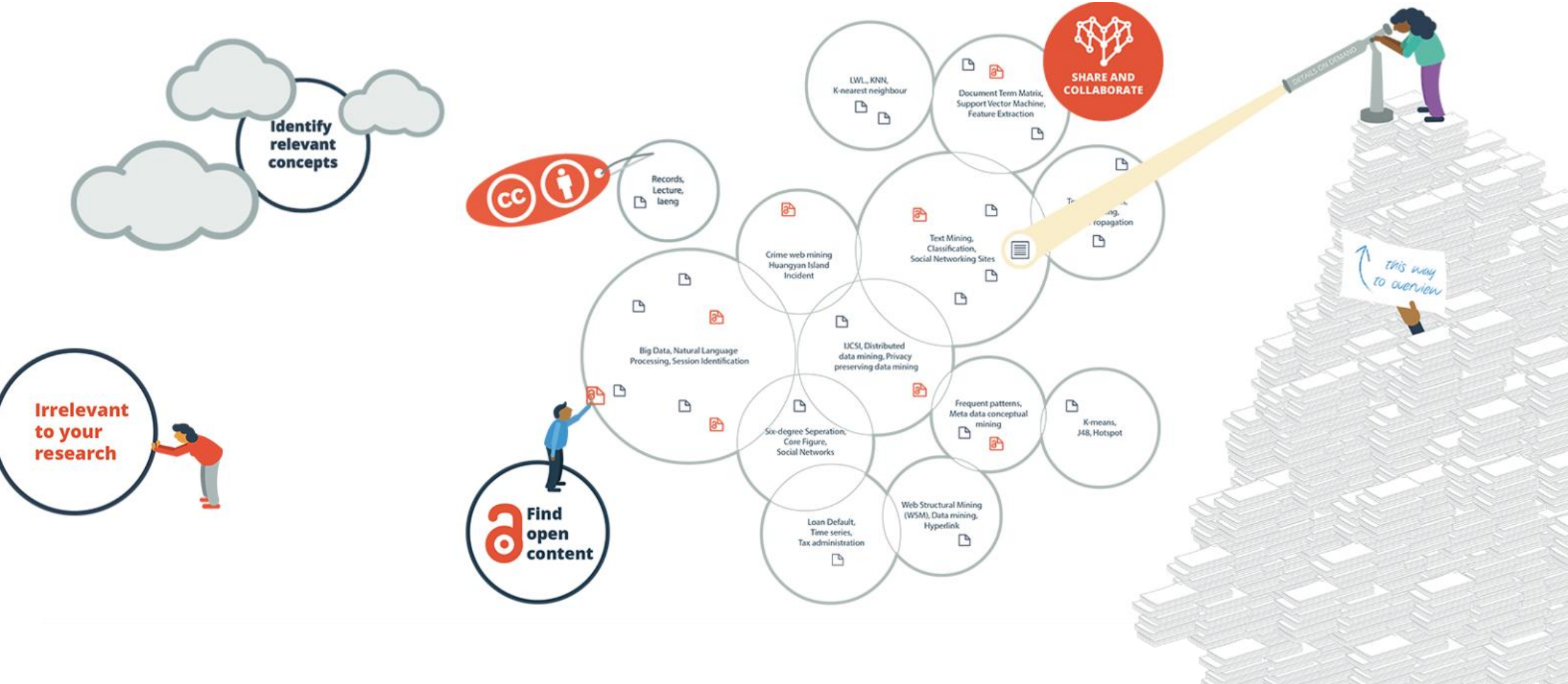
Assistant Professor, Oslo and Akershus University College, Faculty of Education and International Studies, Norway
tonje.h.gjaever@hioa.no

Louise Mifsud

Associate Professor, Oslo and Akershus University College, Faculty of Education and International Studies, Norway
louise.mifsud@hioa.no

ABSTRACT

Advantages

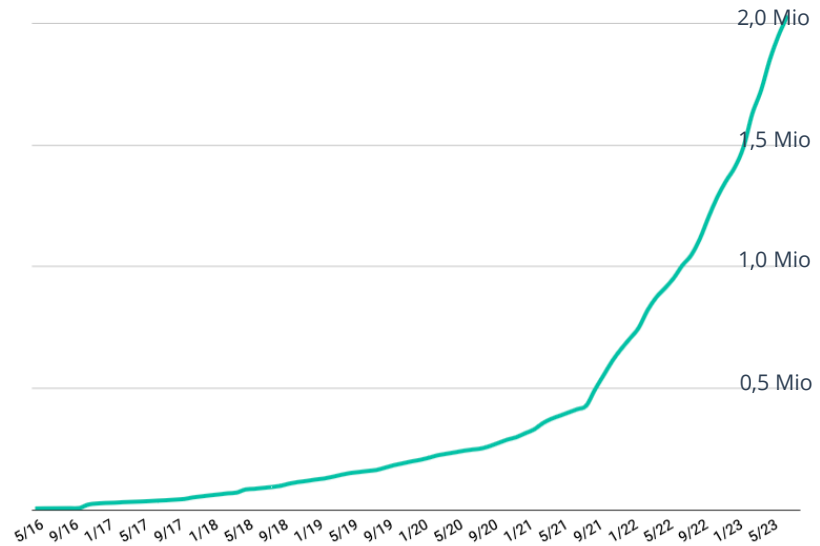


The story so far

*We are the
largest visual
search engine
for research*



GROWTH OF KNOWLEDGE MAPS



2+ million knowledge maps created

100,000+ monthly visits

200+ countries and territories



FEATURED IN

nature

futurezone.at
TECHNOLOGY NEWS

Open science
conference

AIMS

Hacker News

ScienceGeist
Everything about research

moz://a
festival

AWARDS

WÖSTERREICHISCHER PREIS
FÜR FREIES WISSEN.

OPEN MINDS [The Austrian
Open Source Award]

How it works



An Open Knowledge Maps visualization presents you with a **topical overview** for your search term. It is **based on the most relevant documents** from either **BASE** or **PubMed** for your search term.



We operate an **artificial intelligence (AI) pipeline** to create the knowledge maps. The pipeline combines natural language processing methods to aggregate and display publications according to similarity in topics.

All of our services are free & open



Our offering includes:

- ✓ AI-based search and discovery services
- ✓ Integrations for BASE, PubMed, and OpenAIRE
- ✓ **New!** Institutional integration via Custom Services
- ✓ A wide range of training activities and materials
- ✓ Our award-winning visualization software
- ✓ Community support & engagement programs



Select projects



TRIPLE - The multilingual discovery platform for the social sciences and humanities

EU Horizon 2020



enKORE - Towards an open, zoomable atlas for invasion science and beyond

VolkswagenStiftung: Offen - für Außergewöhnliches



Frontend Refactoring - A sustainable technological foundation for the Open Knowledge Maps frontend

eLife Innovation Initiative

Supporting members



BILL & MELINDA
GATES foundation

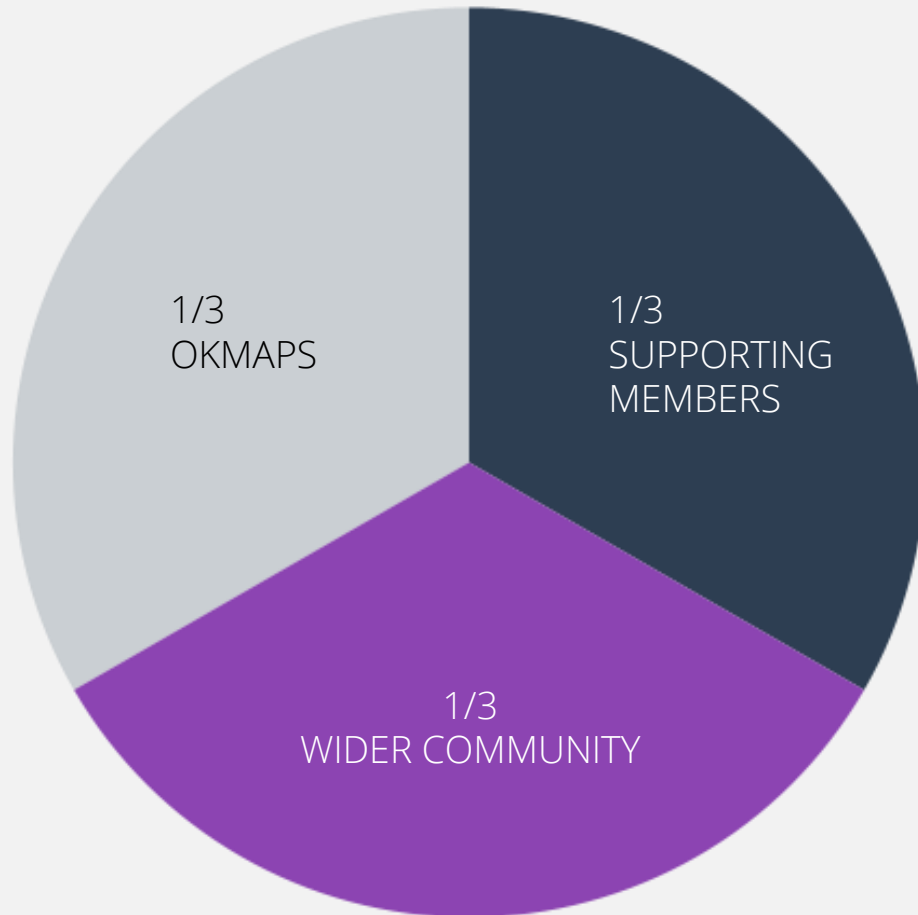
ETH zürich
ETH-Bibliothek



SENCKENBERG
world of biodiversity



Participatory approach



GOVERNANCE OF THE TECHNICAL ROADMAP

This means:

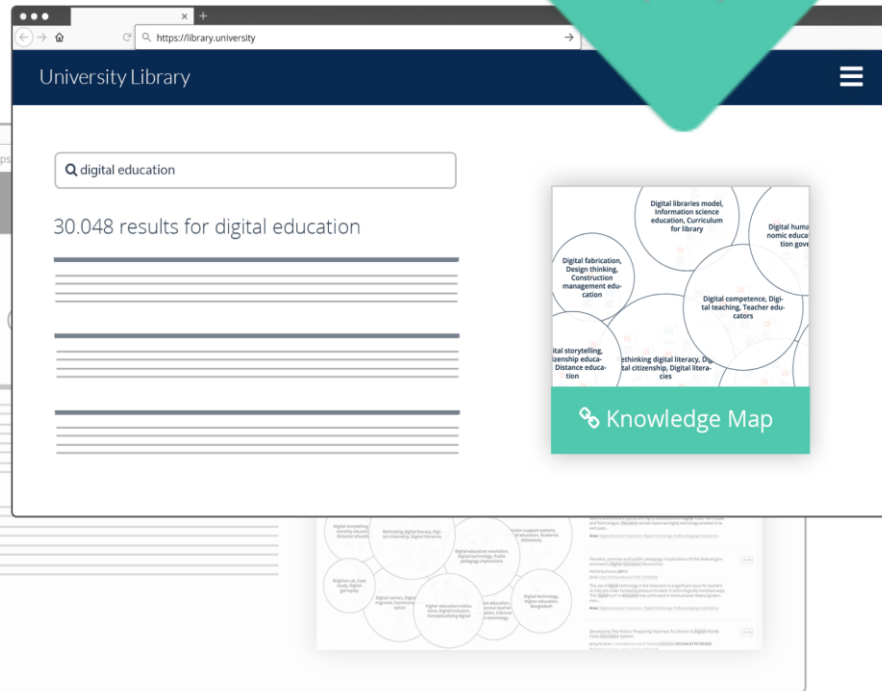
- ✓ Open licences for content, data, and source code
- ✓ Co-creation of platform with our community
- ✓ Community involvement in governance
- ✓ Equitable balancing of stakeholder needs
- ✓ Community-based engagement & funding
- ✓ Easy integration in community infrastructure



Custom Services



Custom Services in a nutshell



Integrate AI-driven discovery in your own offering

- ✓ Embed Open Knowledge Maps services in your own discovery systems based on your own data sources
- ✓ Provide attractive, visual entry points to your holdings
- ✓ Available as easy-to-install cloud components
- ✓ Co-created with our supporting members and community

Example: GoTriple integration

The screenshot displays the GoTriple website interface. At the top, the GoTriple logo is on the left, and navigation links (Home, Trust Building System, Crowdfunding, Disciplines, About TRIPLE) and a search bar are on the right. Below the header, the search results for the query 'psychology' are shown, with 44,853 results. The interface includes filters for Documents (43,898), Projects (888), and People (67). A 'Your Search' section shows the query 'psychology' and a list of 43,898 documents. A 'Filter Documents' section is also present. The main content area displays a list of search results, with the first result highlighted: 'Converging toward a common speech code: perceptuo-motor recalibration processes in production' by Sato, Marc, Grabski, Krystyna, Garnier, Maëva, and 3 authors. To the right of the search results, there are two interactive visualizations: a 'Knowledge Map' and a 'Streamgraph'. The 'Knowledge Map' is a circular diagram showing the relationships between various concepts in psychology, with a yellow circle highlighting the 'Knowledge Map' button. The 'Streamgraph' is a line chart showing trends over time. Below the search results, there is a detailed view of the 'Knowledge Map of psychology'. This map shows a network of concepts related to psychology, including 'Ciências sociais, Human sciences, Sciences sociales', 'History of social psychology, Psicologia social, Psicología social (feedback)', 'Environmental psychology, Cognitive ergonomics, Environmental quality-psychological...', 'Motivation (psychology)', 'Daily life events, Epistemology', 'Principio di individuazione', 'Islamic psychology', 'Moral philosophy, Moral psychology, Political psychology', 'Assunto (filosofia), Bibliometric analysis...', 'Cross-cultural psychology, Ethnic groups-psychology, Etnopsicologia', 'Culturalhistorical psychology, Affect', 'Education of children, Human resource development, Activity approach', and 'Psychology students, Sport psychology, Doświadczenie'. The map is titled 'Knowledge Map of psychology' and includes a legend for '100 most relevant documents', 'Data source: GoTriple', '1 Jan 1750 - 19 Sep 2022', 'Document types', 'Data quality', and 'More information'. The map is also labeled '19 Cite'.

GoTriple beta online at: <https://gotriple.eu>

Use cases

Complement existing discovery systems such as a library catalog or a document search

Example: ETH Library integration

The screenshot displays the ETH Zürich library website interface. At the top, the logo 'ETH zürich' and 'ETH-Bibliothek @ swisscovery' are visible. Navigation links include 'Neue Suche', 'Hilfe', 'Fernleihe', and 'ETH-Bibliothek'. A search bar contains the query 'artificial intelligence'. Below the search bar, a sidebar on the left offers filters for 'Sortieren nach', 'Zeige nur', 'Ressourcentyp', 'Jahr', 'ETH Zürich', 'swisscovery Network', 'Sprache', 'Urheber_in', 'Thema', and 'Datenquelle'. The main content area shows search results for 'artificial intelligence', including a list of documents and a section for 'OPEN KNOWLEDGE MAPS'. The Open Knowledge Maps section features a bubble chart visualization of research topics related to artificial intelligence, such as 'Artificial intelligence research, Ddcno, General medicine', 'General Physics and Astronomy, Artificial intelligence technology, Application of artificial', 'Trustworthy and ethical artificial intelligence, Legal regulation, Deep learning, Super intelligence, Machine learning', 'Chest radiograph interpretation, Artificial intelligence techniques, Events', 'Hg Finance', 'Artificial intelligence applications, Artificial intelligence Fin-tech block chain banking technology intelligence, Boon to humanity', 'Criminal liability, Artificial intelligence', 'Artificial intelligence policy: European Union artificial; documents...', 'Artificial general intelligence, Smart home, Distributed artificial', 'Intelligence and robotics, Review of artificial, Artificial intelligence', 'Computer networks and communications, General engineering', and 'Artificial intelligence research, Ddcno, General medicine'. The right side of the Open Knowledge Maps interface shows a list of documents, including 'Artificial Intelligence as an Object of Legal Regulation: Concepts, Types and Signs ... (2019)' and 'THE IMPORTANCE OF ARTIFICIAL INTELLIGENCE IN MODERN TECHNOLOGY (2022-04-07)'. A yellow circle highlights the 'Meine Suche schicken an' button in the sidebar, with an arrow pointing to it.

ETH zürich
ETH-Bibliothek @ swisscovery

Neue Suche Hilfe Fernleihe ETH-Bibliothek

artificial intelligence

Erweiterte Suche

Ergebnisse optimieren

Sortieren nach Relevanz

Zeige nur

Ressourcentyp

Jahr

ETH Zürich

swisscovery Network

Sprache

Urheber_in

Thema

Datenquelle

Meine Suche schicken an

Open Knowledge Maps (BASE)

Open Knowledge Maps (Pubmed)

0 ausgewählt SEITE 1 41.079 Ergebnisse

MEHRERE VERSIONEN

Artificial intelligence : an international journal

2 Versionen gefunden. Alle Versionen anzeigen

MEHRERE VERSIONEN

Artificial intelligence

Hunt, Earl B,

3 Versionen gefunden

BUCH

Artificial intelligence

State of the Art Report

1987; © 1987

Online verfügbar

MEHRERE VERSIONEN

Artificial intelligence

Rich, Elaine (Urheber)

6 Versionen gefunden

OPEN KNOWLEDGE MAPS

A visual interface to the world's scientific knowledge

Search About Team Community Projects News FAQs Get in touch Become a supporting member

Overview of artificial intelligence

100 most relevant documents

8 Jun 2022 Document types Data quality More information

Artificial intelligence research, Ddcno, General medicine

General Physics and Astronomy, Artificial intelligence technology, Application of artificial

Trustworthy and ethical artificial intelligence, Legal regulation, Deep learning, Super intelligence, Machine learning

Chest radiograph interpretation, Artificial intelligence techniques, Events

Hg Finance

Artificial intelligence applications, Artificial intelligence Fin-tech block chain banking technology intelligence, Boon to humanity

Criminal liability, Artificial intelligence

Artificial intelligence policy: European Union artificial; documents...

Artificial general intelligence, Smart home, Distributed artificial

Intelligence and robotics, Review of artificial, Artificial intelligence

Computer networks and communications, General engineering

Artificial intelligence research, Ddcno, General medicine

Artificial Intelligence as an Object of Legal Regulation: Concepts, Types and Signs ... (2019)

A.O. Grinchuk

[doi]: <https://dx.doi.org/10.5281/zenodo.3608161>

Recently, more and more attention has been paid to the legal regulation of artificial intelligence. Yes, in many countries today, innovations of modern technologies are used: technical filling for a smart home, unmanned cars, lawyers-bots, etc. - this testifies to the growing role of artificial intelligence.

Area: Trustworthy and ethical artificial intelligence, Legal regulation, Artificial intelligence, Deep learning...

THE IMPORTANCE OF ARTIFICIAL INTELLIGENCE IN MODERN TECHNOLOGY (2022-04-07)

Babajanov Boburbek, Rakhimberdiyev Sanjarbek, Urinboyev Elmurod, Alisher Satimov

[link]: <https://zenodo.org/record/6421609>

Abstract. The article provides a brief history of work in the field of artificial intelligence, characterizes the directions of artificial intelligence, gives a general overview of the current state of research and development of artificial intelligence systems, lists the main trends in the field of artificial intelligence.

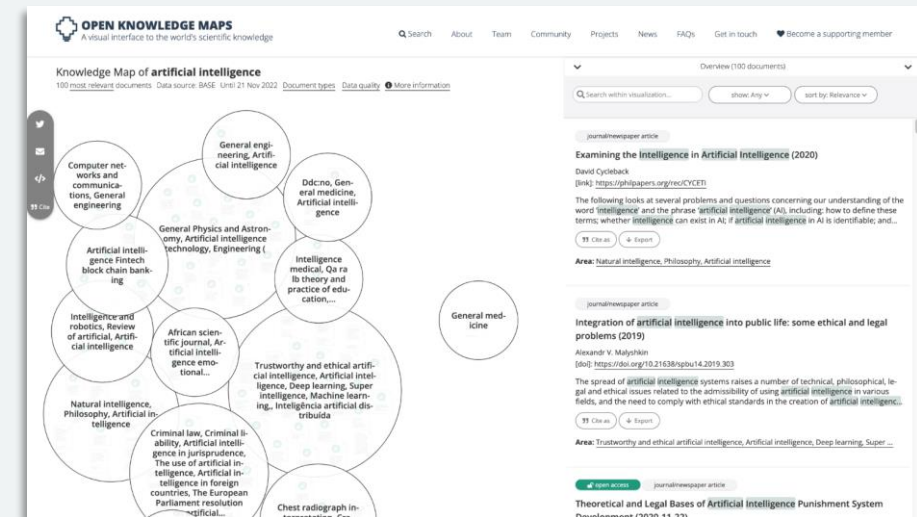
Area: Trustworthy and ethical artificial intelligence, Legal regulation, Artificial intelligence, Deep learning...

Online at: <https://eth.swisscovery.slsp.ch/>

Online at:
<https://catalogplus.tuwien.at/>

Extern suchen in

- Open Knowledge Maps (BASE)
- Open Knowledge Maps (Timeline)



Use cases

Complement existing discovery systems such as a library catalog or a document search

Make resources other than journal articles (e.g. preprints, research data, software) more visible and better discoverable

Example: AUSSDA - The Austrian Social Science Data Archive

The image displays a composite of three screenshots from the AUSSDA website. The top-left screenshot shows the 'Open Knowledge Maps' section, which describes a visual search tool for the AUSSDA dataset. The top-right screenshot shows the main AUSSDA header with navigation links and the site title. The bottom screenshot shows the search results for the keyword 'election', featuring a 'Knowledge Map of election' visualization and a list of related datasets.

Open Knowledge Maps
Visual search in the AUSSDA database and

Can the diverse topics of research data be visually represented to give an overview of AUSSDA's dataset? We implemented a visual search as a collaboration between Open Knowledge Maps and AUSSDA. It has intuitive interaction options for zooming in and navigating to individual datasets.

Where to start? Try just the keyword `aussda` for an overall overview. For a more specific selection, we recommend combining the search word with a second word, e.g. `aussda election` or, for some of our historical datasets, leave out the keyword `aussda`.

Hints: Use English search terms for better search results in the AUSSDA database. The search results refer to datasets worldwide. We have preset the search only to datasets, taking the newest entries first. You can customize settings under [Refine Search](#).

AUSSDA - The Austrian Social Science Data Archive

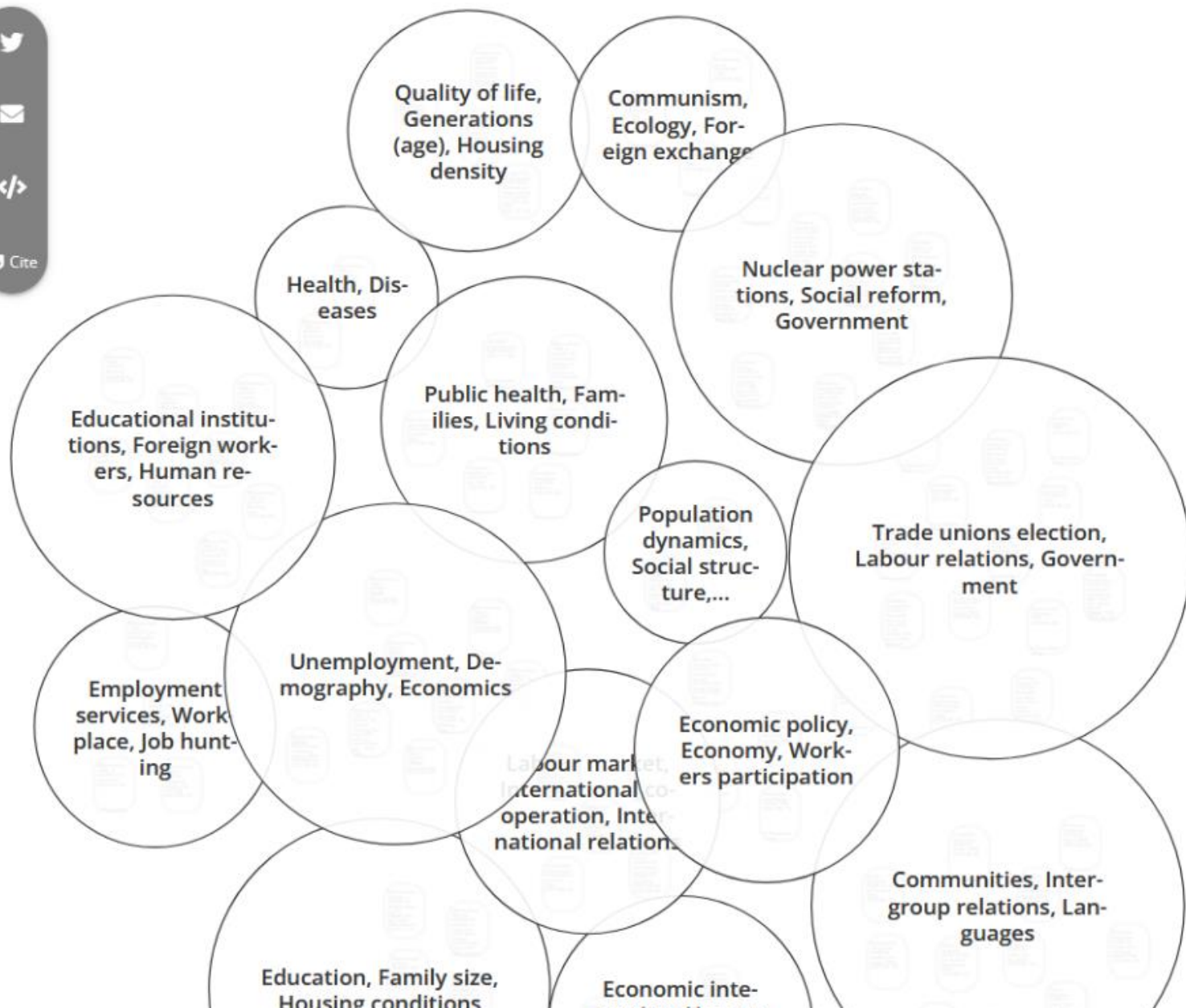
Search results for 'election':

- Knowledge Map of election**
74 documents. Data source: BASE. Until 9 Nov 2022. Document types: Data quality. More information.
- dataset**
Austrian Presidential Election (Part 6) 1998 ... (2022)
GfK Austria
[doi]: <https://dx.doi.org/10.11587/vagalg>
Topic: Austrian presidential election ...
Area: Austrian presidential election
- dataset**
AUTNES Content Analysis of Party Websites 2013 (SUF edition) ... (2022)
Wolfgang C. Müller, Anita Bodlos, Martin Dolezal, Nikolaus Eder, Laurenz Ehrnster-Jedenastik...
[doi]: <https://dx.doi.org/10.11587/tqvslq>
Full edition for scientific use. The dataset "AUTNES Content Analysis of Party Websites 2013" covers all party websites of parties gaining at least two percent of the votes in the 2013 national election. The party web...
Area: AUTNES content analysis, Analysis party, Analysis of party
- dataset**
European Parliament Elections, People, Election Campaign 1999 ... (2022)

Online at: <https://aussda.at/en/about-aussda/projects/open-knowledge-maps/>

Knowledge Map of labour

95 documents Data source: AUSSDA... Until 25 Aug 2023 Document types All lang Data quality [More information](#)



Overview (95 documents)

Search within visualization

show: Any

sort by: Relevance

Microcensus Ad-Hoc-Module 'Transition from work to retirement' 2012 (SUF edition) (2022-02-17)

Statistics Austria

Population group

[doi]: <https://doi.org/10.11587/5ZCVJY>

Full edition for scientific use. In addition to the core variables of the Microcensus Labour Force Survey (LFS), the LFS also has so-called ad-hoc-modules (AHM) that can vary from year to year. The EU-LFS ad-hoc-module 2012 on 'Transition from...

Export

Area: [Education, Family size, Housing conditions](#)

Microcensus Labour Force Survey / Housing Survey 2022 (SUF edition) (2022-06-30)

Statistics Austria

Population group

[doi]: <https://doi.org/10.11587/XSWWSL>

Full edition for scientific use. With about 20,000 households surveyed per quarter, the Microcensus is the largest regularly conducted sample survey in Austria. It is an important data source for national and international labour market indicators.

Export

Area: [Unemployment, Demography, Economics](#)

Use cases

Complement existing discovery systems such as a library catalog or a document search

Make resources other than journal articles (e.g. preprints, research data, software) more visible and better discoverable

Integrate visual overviews **in other areas of your digital services**, such as a news page or a research collection

Example: UNIL integration

UNIL | Université de Lausanne

UNIL en bref Formations Recherche Campus Organisation Informations pour

Vous êtes ici: UNIL > Recherche > Thématiques transversales > Santé > Cancer

Thématiques transversales

Cultures

Economie

Environnement

Santé

Cancer

Société

Centres interdisciplinaires

Recherche par faculté

Prix et distinctions

Publications

Thèses

Cancer

| L'UNIL: pôle de recherche sur le cancer de renommée mondiale | Regards croisés sur le cancer | Pour en savoir plus



L'UNIL: pôle de recherche sur le cancer de renommée mondiale

Face au défi de la lutte contre le cancer, l'UNIL offre une diversité d'approches unique. Au-delà de l'aspect médical, où oncologues et généticiens sont à l'œuvre, des chercheurs en lettres ou en sciences sociales étudient cette thématique avec les outils propres à leurs disciplines. Ainsi, les travaux des scientifiques de l'UNIL sauvent des vies, s'attachent au bien-être des patients et éclairent les facteurs sociétaux derrière la maladie.

Suivez nous:      



Voir la Carte des Savoirs

Obtenir une liste d'ense-
ignants et de documents

Centres, instituts
groupes de recherche

Tumor microenvironne-
ment

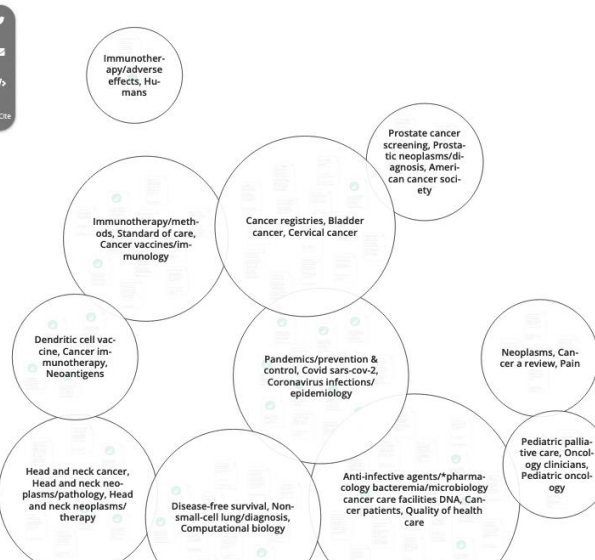
Ludwig Institute for Can-
cer

Théorie sociale, enquête
médiations, action publi-

OPEN KNOWLEDGE MAPS
A visual interface to the world's scientific knowledge

Knowledge Map of cancer or (cancer and immunotherapy) or (cancer and cell biology) or ...

100 documents Data source: Univer... Until 8 Nov 2022 Document types Data quality More information



Search About Team Community Projects News FAQs Get in touch Become a supporting member

Overview (100 documents)

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

journal/newspaper article review

Nouvelles options thérapeutiques du cancer pulmonaire à l'ère de l'im-
munothérapie [The new management options for lung cancer in the im-
munotherapy era] (2019-05-15)

H. Megawani, R.M. Socianu, H. Bouchaib, N. Mederos, T. Nguyen-Ngoc, S. Peters, A. Dolcan

Revue médicale suisse, vol. 15, no. 651, pp. 1032-1037

[link: https://serval.unil.ch/notice/serval/SIB_9198167771EB]

Lung cancer is the leading cause of cancer-related deaths worldwide. Since the advent of im-
munotherapy, survival has significantly improved. Though encouraging treatment results, initially
only some patients used to benefit significantly and specifically from immunotherapy adminis-

Export

Area: Immunotherapy/methods, Standard of care, Cancer vaccines/immunology

journal/newspaper article review

Cancers de la sphère ORL : l'immunothérapie donne de la voix ! [Head and neck
cancer : promising results of immunotherapy] (2017-05-17)

A. Sivade, D. Bensaid, Y. Morrier, K. Shabazzou, H. Bouchaib, V. Cristina

Revue médicale suisse, vol. 13, no. 563, pp. 1029-1037

[link: https://serval.unil.ch/notice/serval/SIB_FFCEB161F44F]

Immunotherapy, especially checkpoint inhibitors such as anti-PD1 and anti-PDL1 antibodies, has
changed the standard of care and the prognosis of melanoma, but also more recently of lung
cancer, renal cancer and Hodgkin lymphoma. Results of preliminary studies in head and neck...

Export

Area: Head and neck cancer, Head and neck neoplasms/pathology, Head and neck neoplasms/ther...

journal/newspaper article review

Rational combinations of immunotherapy with radiotherapy in ovarian cancer.
(2019)

F.G. Herrera, M. Irving, L.E. Kandalafi, G. Coukos

The Lancet Oncology, vol. 20, no. 8, pp. e417-e417

Online at:

<https://unil.ch/central/home/menuinst/recherche/thematiques-transversales/sante/cancer.html>

Four principles of...



...the information system supporting research



Black hole of dark knowledge

**Control
User Data
Governance
Innovation**

WIKIPEDIA

Crossref

GitHub

PubMed

arXiv.org

OpenAIRE

SCHOLIX

Bookmetrix

Summon 2.0

ORCID

Altmetric

SYMPLECTIC



ELSEVIER

A: 3.4% of RELX's CEO's
yearly salary

B: Google's revenue from
advertising, every 150
microseconds

C: Est. revenue of Nature
Communications every
three days

= €321,000?

A: 3.4% of RELX's CEO's yearly salary

B: Google's revenue from advertising, every 150 microseconds

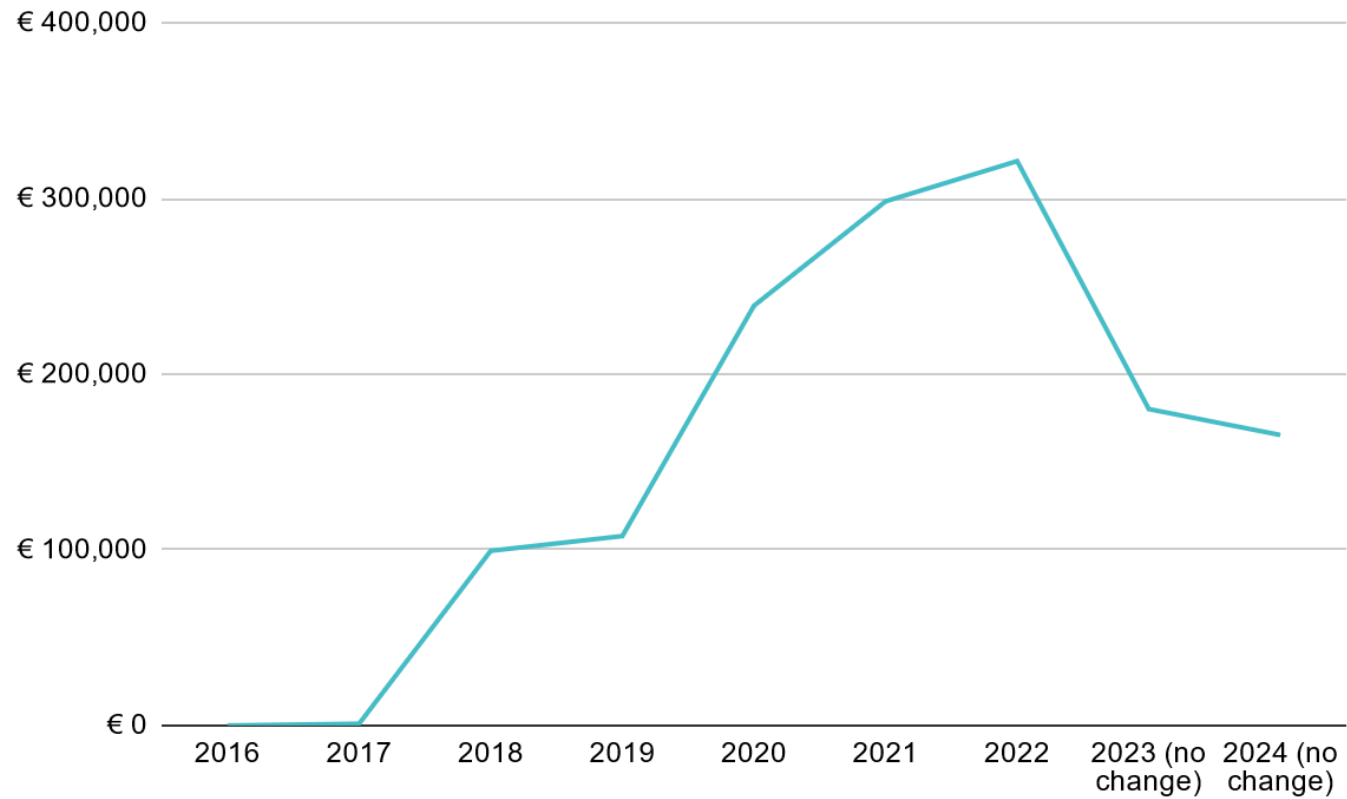
C: Est. revenue of Nature Communications every three days

= €321,000!

D: The total income of Open Knowledge Maps in 2022, including collaboration projects

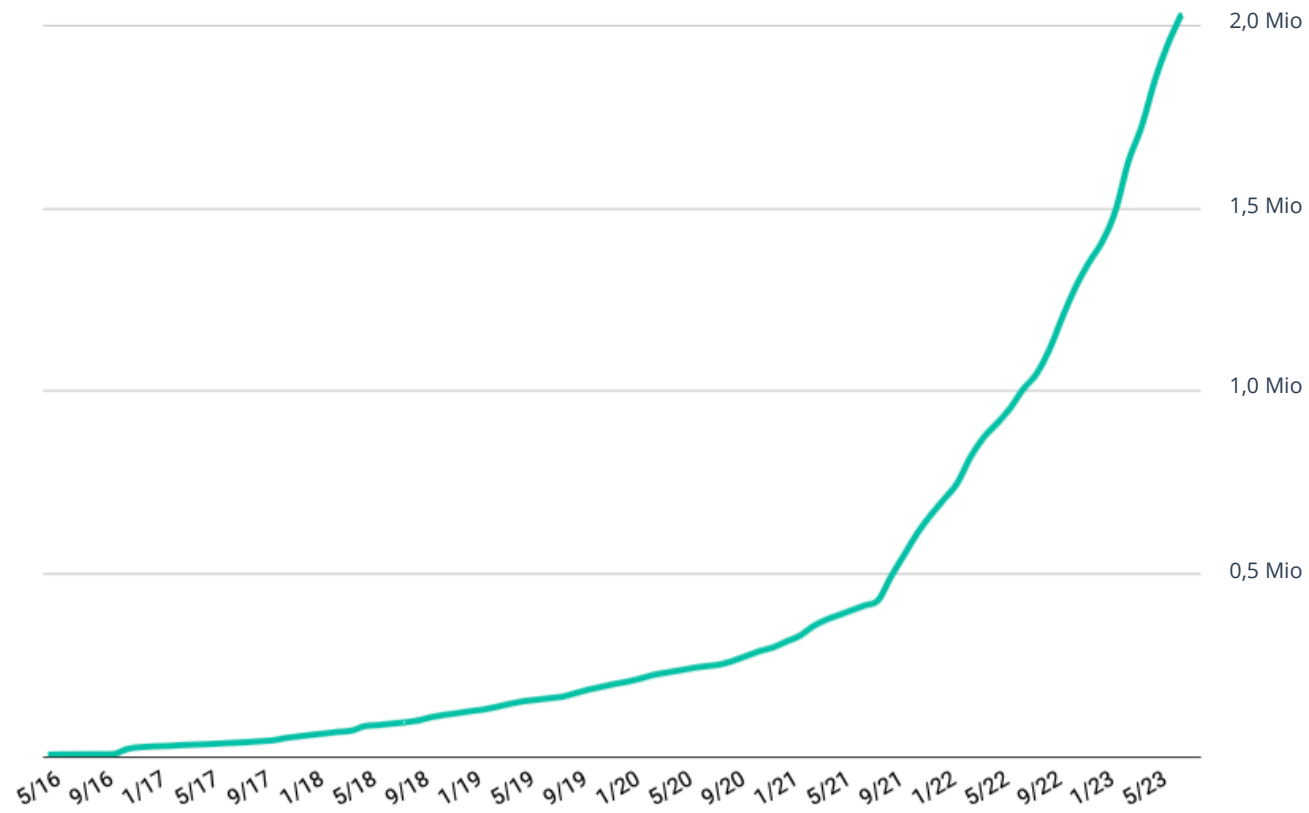
OKMaps income per year

INCOME PER YEAR



Growth of knowledge maps

GROWTH OF KNOWLEDGE MAPS



Let's make the open infrastructure sustainable!



DontLeaveItTo**Google**

DontLeaveItTo**Clarivate**

DontLeaveItTo**Elsevier**

What can you do to support open infrastructures?

1. Suggest to your library that they **support open infrastructures** that you find useful
2. Complain to your library about **problems and bugs of proprietary software and services**

That's it – plain and simple!

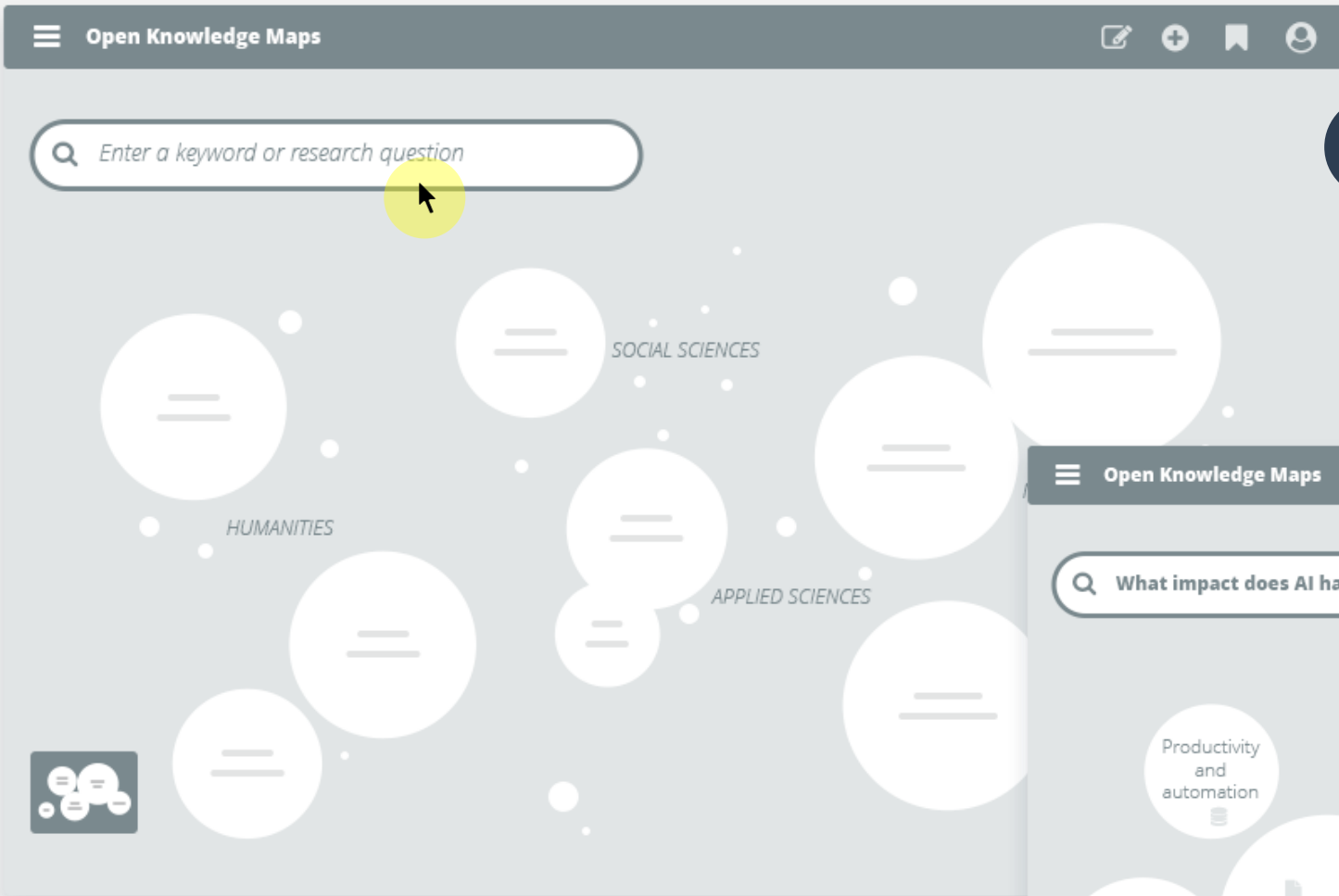
Our future vision



Interactive maps like Google Maps are used for much more than traditional maps and GPS devices. They are often the first choice to find relevant places for a certain need (e.g. a restaurant). They enable users to explore areas, even simulating a stroll down the street. In essence, they are **visual discovery engines for the physical world.**

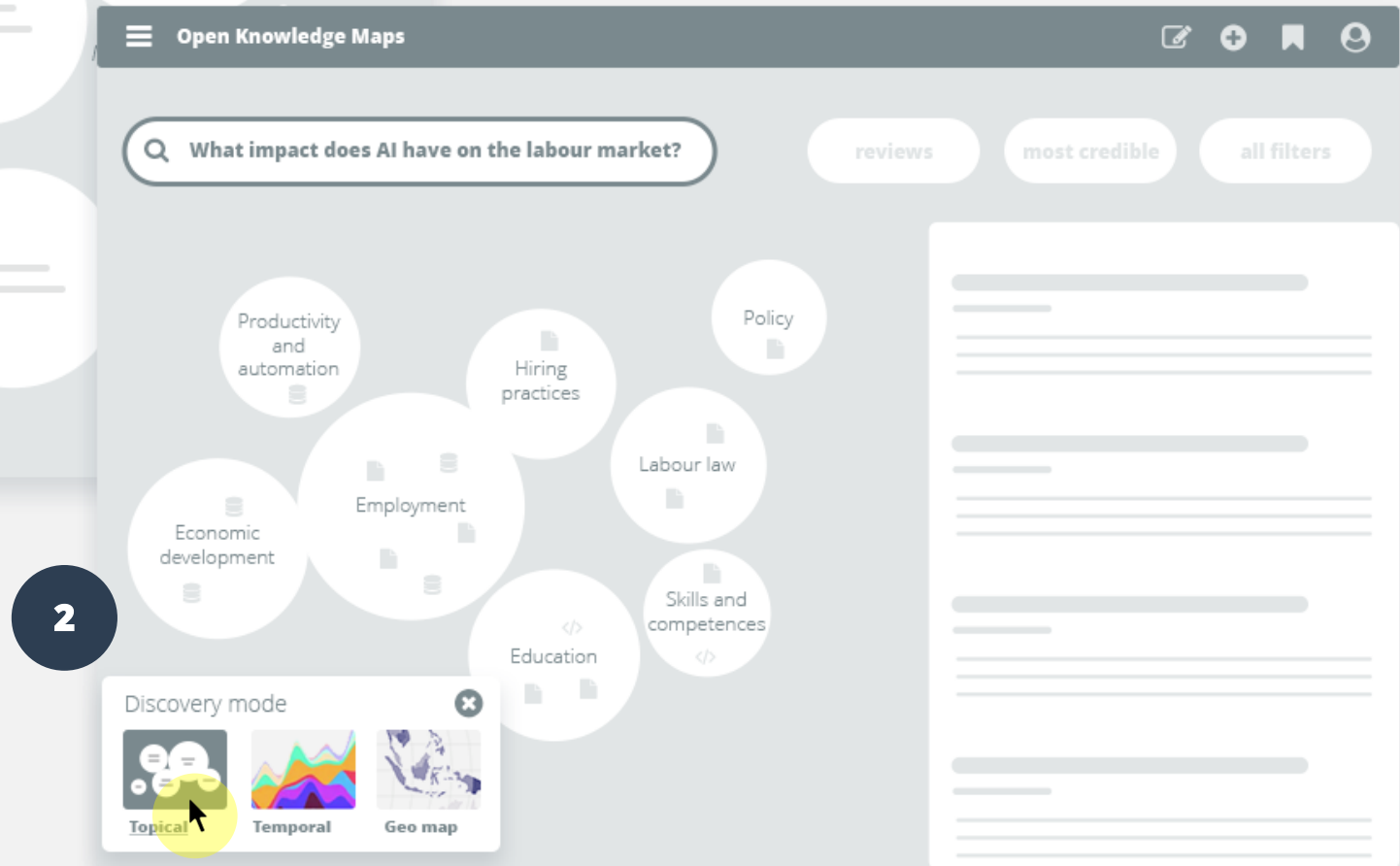
Now imagine a system where you can discover knowledge in very much the same way.

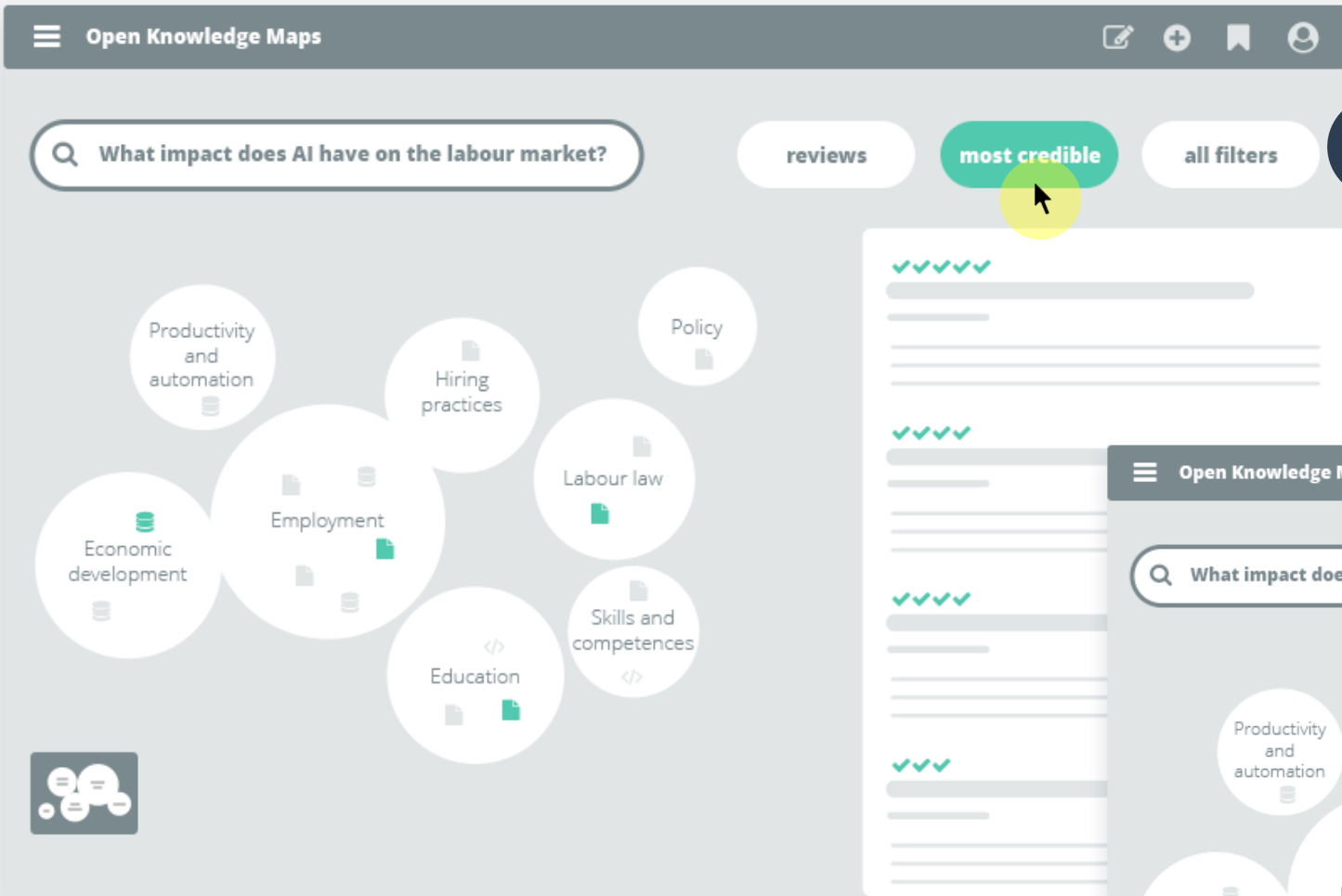
This is our vision for the future of Open Knowledge Maps.



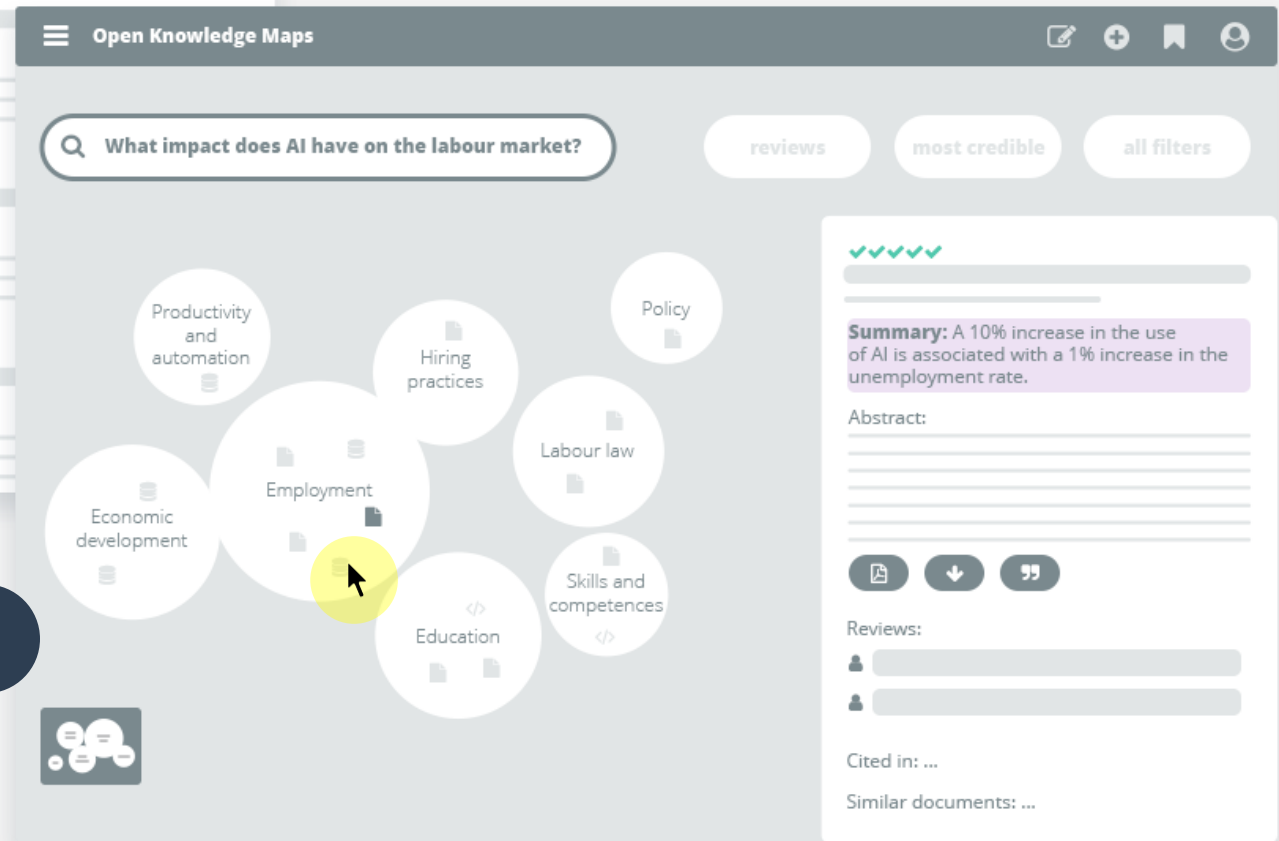
1 Start your journey with a research question/keyword or zoom in to a specific discipline

Choose between different visual discovery modes





3 Use filters to quickly find what's relevant for your research need



4 Get all the details including an AI-based summary tailored to your query or question

Thank you for your attention!

Contact

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KNOWLEDGE
MAPS