



Dimensions: Re-imagining discovery and access to research

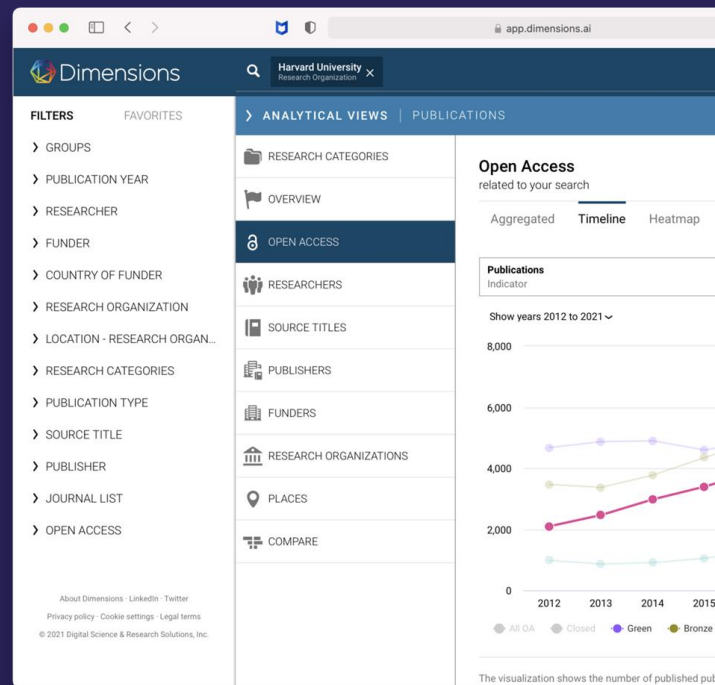
Part of **DIGITAL**science

The Dimensions database and platform

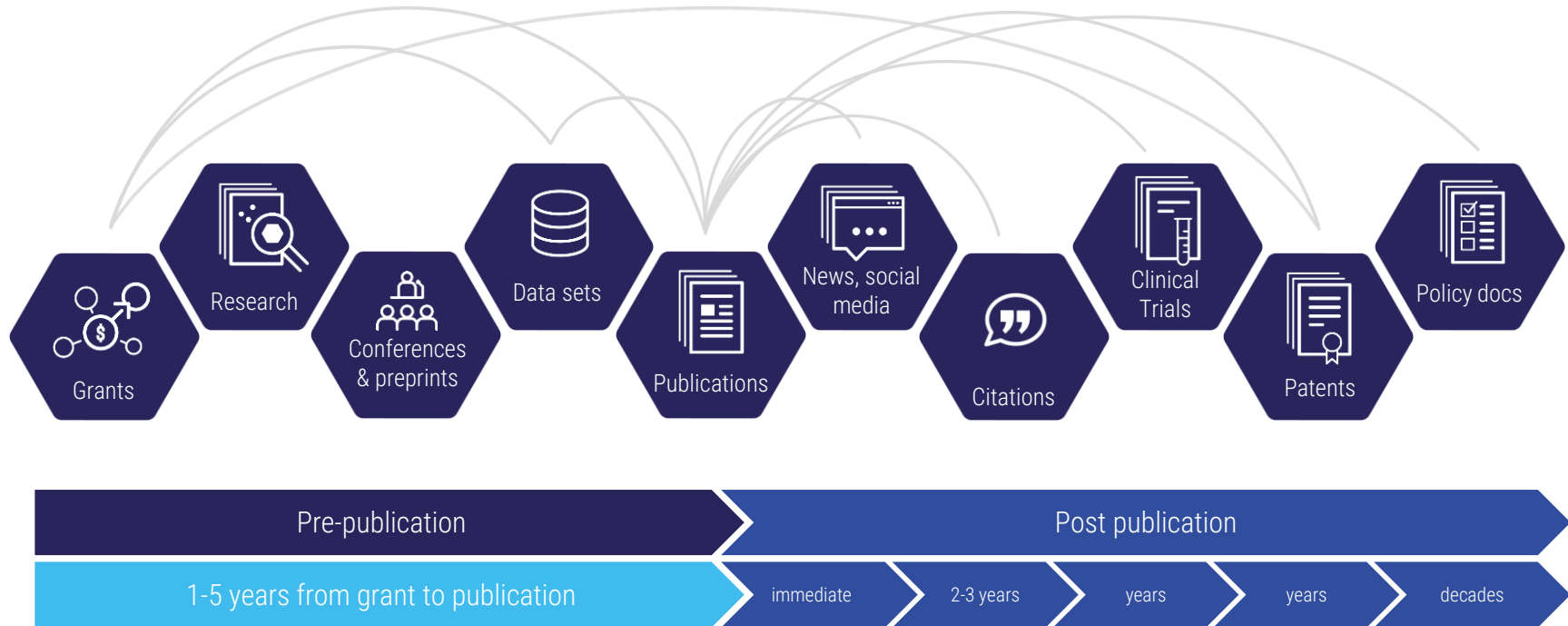
The world's largest linked research information dataset

Dimensions covers millions of research publications connected by billions of **citations**, supporting **grants**, **datasets**, **clinical trials**, **patents** and **policy documents**.


Dimensions provides complete, comprehensive, connected data that supports complex data analysis to meet the needs of academic institutions, government organizations, research funders, publishers, and R&D departments.



We capture a broader picture of the research lifecycle



The Dimensions Platform

e.g. plastic AND instrumentSave / ExportWorkflowSupportHeidi Bec...

FILTERS FAVORITES


▼ GROUPS

- ▶ MY GROUPS
- ▶ SHARED GROUPS
- ▶ FUNDER GROUPS
- ▶ RESEARCH ORGANIZATION GROUPS
- ▶ PUBLICATION YEAR
- ▶ RESEARCHER
- ▶ FUNDER
- ▶ COUNTRY OF FUNDER
- ▶ RESEARCH ORGANIZATION
- ▶ LOCATION - RESEARCH ORGANIZATION
- ▶ RESEARCH CATEGORIES
- ▶ PUBLICATION TYPE
- ▶ SOURCE TITLE
- ▶ PUBLISHER
- ▶ JOURNAL LIST
- ▶ OPEN ACCESS

PUBLICATIONS DATASETS GRANTS PATENTS CLINICAL TRIALS POLICY DOCUMENTS

120,525,876 8,865,773 5,894,126 138,492,119 653,331 715,435

Show abstract Sort by: Relevance ▼



See attention in  Altmetric Explorer

Inhibitory Control Across Athletic Expertise and Its Relationship With Sport Performance.

Jack Hagyard, Jack Brimmell, Elizabeth J Edwards, Robert S Vaughan

2021, Journal of Sport and Exercise Psychology - Article

Inhibitory control may be vital in elite sport. The authors examined the link between athletic expertise, inhibitory control, and sport performance in a two-part quasi experiment. Inhibitory control w... [more](#)



 Citations **5**  Altmetric **7** Open Access Add to Library Add to ORCID

Effectiveness of Structured Physical Activity Interventions Through the Evaluation of Physical Activity Levels, Adoption, Retention, Maintenance, and Adherence Rates: A Systematic Review and Meta-Analysis.

Nadja Willinger, James Steele, Lou Atkinson, Gary Liguori, Alfonso Jimenez, Steve Mann, Elizabeth Horton

2021, Journal of Physical Activity and Health - Article

BACKGROUND: Structured physical activity (PA) interventions (ie, intentionally planned) can be implemented in a variety of facilities, and therefore can reach a large proportion of the population. The... [more](#)



 Citations **3**  Altmetric **10** Open Access In Library Add to ORCID

Sustained Exposure to High Carbohydrate Availability Does Not Influence Iron-Regulatory Responses in Elite Endurance Athletes.

Alannah K A McKay, Peter Peeling, David B Pyne, Nicolin Tee, Marijke Welvaart, Ida A Heikura, Avish P Sharma, Jamie Whitfield,...


2021, International Journal of Sport Nutrition and Exercise Metabolism - Article

This study implemented a 2-week high carbohydrate (CHO) diet intended to maximize CHO oxidation rates and examined the iron-regulatory response to a 26-km race walking effort. Twenty international-lev... [more](#)


 Citations **2**  Altmetric **14** Open Access Add to Library Add to ORCID

When It HIIIs. You Feel No Pain: Psychological and Psychophysiological Effects of Respite-Active Music


ANALYTICAL VIEWS

 RESEARCH CATEGORIES ▼


11 Medical and Health Sciences	30,619,138
09 Engineering	12,508,798
1103 Clinical Sciences	11,328,837
06 Biological Sciences	9,164,973
03 Chemical Sciences	7,980,615

 OVERVIEW ▼

Citations **1.4 B** Citations (Mean) **11.91**



● Publications (total)

 OPEN ACCESS ▼


Closed	86,308,737
All OA	34,216,848
Bronze	11,614,140
Gold	10,970,117
Green	8,605,673

Open Access analysis


Case study

Drawing on data pulled from Dimensions, the Open Access Monitor can now deliver the following views of German publishing activity:

- Overall publication output for the country
- Comparison of % closed access vs % Open Access publications
- An interactive map showing the locations of all German research organizations and their publication and citation data
- Journal publisher filter on publications data for each



Dimensions



Philipp Pollack, Data & Metrics Specialist, Central Library, Forschungszentrum Jülich, Germany

"An exciting and highly strategic way that Jülich is using Dimensions is in its Open Access Monitor, designed to help the German research community track the progress of Open Access adoption in the country."

Using Dimensions to understand Open Access adoption rates

In this case study, Philipp Pollack, Data & Metrics Specialist in the Central Library at Forschungszentrum Jülich, highlights the vital role Dimensions and GRID data play in monitoring Germany's Open Access activity.

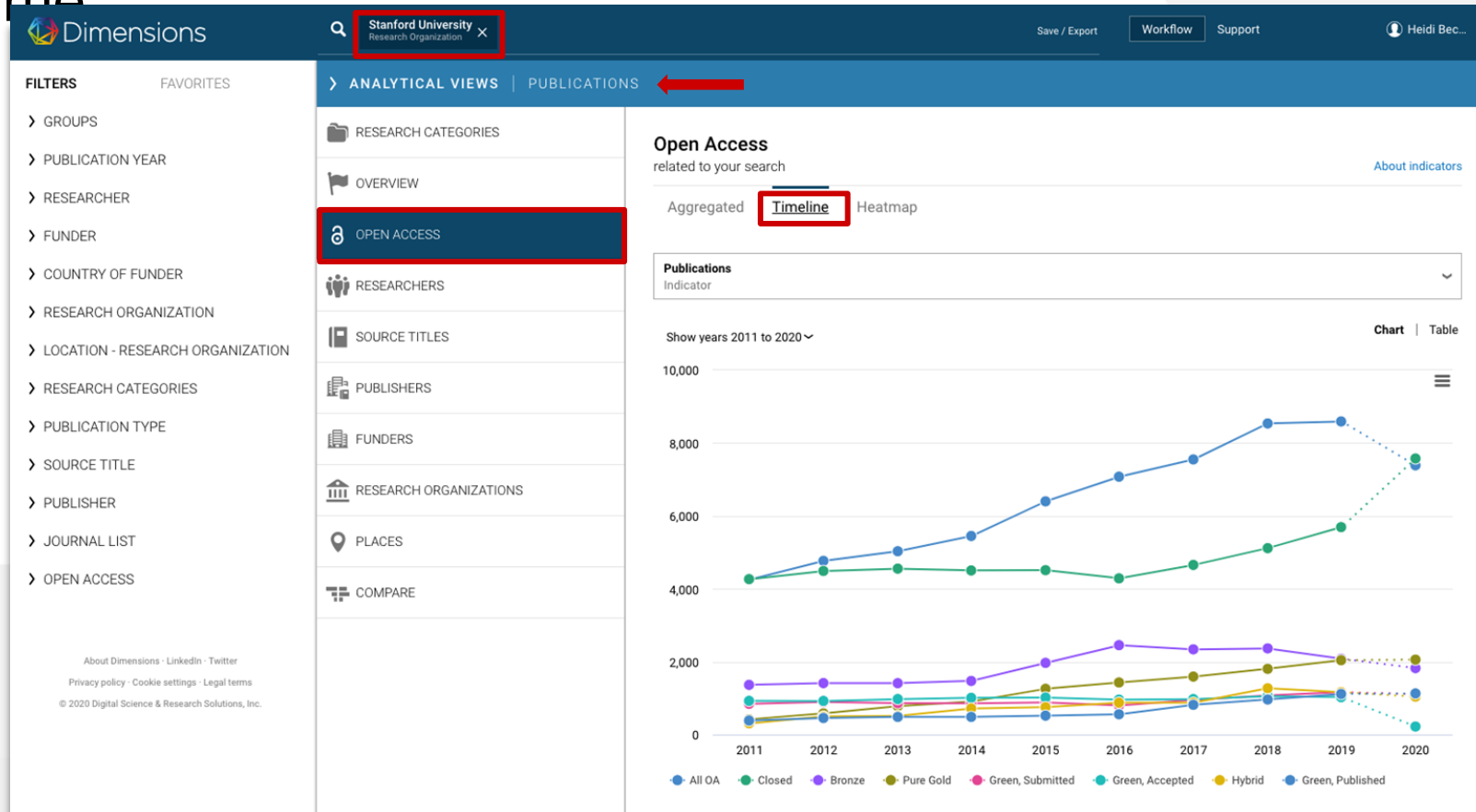
The goal of Forschungszentrum Jülich's research is to provide comprehensive solutions to the grand challenges society faces in the fields of energy and environment, information, and brain research. Its aim is to lay the foundation for the key technologies of tomorrow.

Jülich's Central Library subscribed to Dimensions in 2018. In conjunction with GRID - Digital Science's open data set of disambiguated organizational identifiers - Dimensions provides a flexible data set that serves a broad set of needs at the research institute.

Jülich uses the Dimensions Plus web app and data source to:

- Integrate Altmetrics in its publications portal JuSER
- Research for patents
- Provide campus-wide IP range access for researchers

Quickly analyze your own institution's OA production over time



Investigate OA content on a journal level...

The screenshot shows the Dimensions journal analytics interface for the journal "Science". The search bar at the top left is highlighted with a red box and contains the text "Science" with a source title dropdown. The left sidebar lists various filters such as Groups, Publication Year, Researcher, Funder, Country of Funder, Research Organization, Location, Research Categories, Publication Type, Source Title, Publisher, Journal List, and Open Access. The main content area displays the journal's metrics: 266,193 Publications and 988 Datasets. Below this, there are tabs for Publications, Datasets, Grants, Patents, Clinical Trials, and Policy Documents. The Publications tab is active, showing a list of articles. Two articles are visible: "Metal-organic magnets with large coercivity and ordering temperatures up to 242°C" and "A complex phenotype in salmon controlled by a simple change in migratory timing". The right sidebar shows "ANALYTICAL VIEWS" with a "RESEARCH CATEGORIES" section listing various scientific fields and their citation counts. Below that is an "OVERVIEW" section with a line graph showing "Citations (Mean)" from 2011 to 2020. At the bottom right, the "OPEN ACCESS" section is highlighted with a red box, showing a breakdown of content types: Closed (208,837), All OA (57,356), Green, Submitted (27,125), Bronze (24,365), and Green, Accepted (3,156).

Dimensions Science Source Title X Save / Export Workflow Support Heidi Bec...

FILTERS FAVORITES

GROUPS

PUBLICATION YEAR

RESEARCHER

FUNDER

COUNTRY OF FUNDER

RESEARCH ORGANIZATION

LOCATION - RESEARCH ORGANIZATION

RESEARCH CATEGORIES

PUBLICATION TYPE

SOURCE TITLE

PUBLISHER

JOURNAL LIST

OPEN ACCESS

Science

Publications 266,193 **Datasets** 988

SNIP 7.521 SJR 13.110

PUBLICATIONS 266,193 **DATASETS** 988 **GRANTS** selected filter not applicable **PATENTS** selected filter not applicable **CLINICAL TRIALS** selected filter not applicable **POLICY DOCUMENTS** selected filter not applicable

Show abstract Sort by: Publication Date

Title, Author(s), Bibliographic reference - About the metrics See attention in Altmetric Explorer

Metal-organic magnets with large coercivity and ordering temperatures up to 242°C
Panagiota Perlepe, Itziar Oyarzabal, Aaron Mailman, Morgane Yquel, Mikhail Platanov, Iurii Dovgaliuk, Mathieu Rouzières, Philipp...
2020, Science - Article
Magnets derived from inorganic materials (e.g., oxides, rare-earth-based, and intermetallic compounds) are key components of modern technological applications. Despite considerable success in a broad ... more

Altmetric 48 Add to Library Add to ORCID

A complex phenotype in salmon controlled by a simple change in migratory timing
Neil F. Thompson, Eric C. Anderson, Anthony J. Clemento, Matthew A. Campbell, Devon E. Pearse, James W. Hearsey, Andrew P. ...
2020, Science - Article
Differentiation between ecotypes is usually presumed to be complex and polygenic. Seasonal patterns of life history in salmon are used to categorize them into ecotypes, which are often considered &quo... more

Citations 1 Altmetric 118 Add to Library Add to ORCID

Origins and genetic legacy of prehistoric dogs

ANALYTICAL VIEWS

RESEARCH CATEGORIES

06 Biological Sciences 19,651
11 Medical and Health Sciences 13,865
0601 Biochemistry and Cell Biology 10,468
0604 Genetics 6,654
04 Earth Sciences 5,740

OVERVIEW

Citations 13.8 M Citations (Mean) 51.86

6,000
5,000
4,000
3,000

2011 2012 2013 2014 2015 2016 2017 2018 2019 2020

Publications (total)

OPEN ACCESS

Closed 208,837
All OA 57,356
Green, Submitted 27,125
Bronze 24,365
Green, Accepted 3,156

About Dimensions - LinkedIn - Twitter
Privacy policy - Cookie settings - Legal terms
© 2020 Digital Science & Research Solutions, Inc.

...or at a publisher level

Dimensions Wolters Kluwer Publisher Save / Export Workflow Support Heidi Bec...

FILTERS **FAVORITES**

- GROUPS
- PUBLICATION YEAR
- RESEARCHER
- FUNDER
- COUNTRY OF FUNDER
- RESEARCH ORGANIZATION
- LOCATION - RESEARCH ORGANIZATION
- RESEARCH CATEGORIES
- PUBLICATION TYPE
- SOURCE TITLE
- PUBLISHER**
- JOURNAL LIST
- OPEN ACCESS

PUBLICATIONS 2,380,962

DATASETS selected filter not applicable

GRANTS selected filter not applicable

PATENTS selected filter not applicable

CLINICAL TRIALS selected filter not applicable

POLICY DOCUMENTS selected filter not applicable

Show abstract Sort by: Publication Date

[Title, Author\(s\), Bibliographic reference - About the metrics](#) See attention in Altmetric Explorer

Enhanced functional connectivity between insular subregions correlates with the efficacy of music and instruction-guided relaxation in depression.

Chun-Hong Liu, Xue-Yu Lv, Zhi-Peng Guo, Zhu-Qing Zhang, Ming-Hao Yang, Jiliang Fang, Weidong Wang

2020, Neuroreport - Article

Music and instruction-guided relaxation (MIGR) is a complementary therapeutic tool used in the treatment of the major depressive disorder (MDD). However, the neural mechanism that underlies the effect... [more](#)

Add to Library Add to ORCID

SNHG16 knockdown inhibits tumorigenicity of neuroblastoma in children via miR-15b-5p/PRPS1 axis.

Yirong Ge, Sihai Tan, Jing Bi, Mei Rao, Yuli Yu, Lidan Tian

2020, Neuroreport - Article

Neuroblastoma is an important problem in children. Long noncoding RNAs (lncRNAs) exhibit important roles in tumorigenicity of neuroblastoma. However, the role and mechanism of lncRNA small nucleolar R... [more](#)

Altmetric 1 Add to Library Add to ORCID

Propofol downregulates the activity of glutamatergic neurons in the basal forebrain via affecting intrinsic membrane properties and postsynaptic GABAARs.

Yuping Li, Lin Chen, Dan Zhu, Yaohua Chen, Wanxiang Qin, Jian Cui

2020, Neuroreport - Article

Propofol anesthesia rapidly causes loss of consciousness, while the neural mechanism underlying this phenomenon is still unclear. Glutamatergic neurons in the basal forebrain play an important role in... [more](#)

Altmetric 2 Add to Library Add to ORCID

Nischarin downregulation attenuates cell injury induced by oxidative stress via Wnt signaling.

Zhanpeng Guo, Mina Huang, Yajiang Yuan, Yue Guo, Changwei Song, Hongyu Wang, Xiaoqian Dang

ANALYTICAL VIEWS

RESEARCH CATEGORIES

- 11 Medical and Health Sciences 2,147,531
- 1103 Clinical Sciences 1,107,403
- 1117 Public Health and Health Services 368,410
- 1102 Cardiorespiratory Medicine and Haematology 229,826
- 1110 Nursing 215,150

OVERVIEW

Citations **39.0 M** Citations (Mean) **16.38**

Publications (total)

OPEN ACCESS

- Closed 1,897,030
- All OA 483,932
- Bronze 174,943
- Pure Gold 163,741
- Green, Published 63,396

About Dimensions · LinkedIn · Twitter
Privacy policy · Cookie settings · Legal terms
© 2020 Digital Science & Research Solutions, Inc.

Informing collection development

In addition to open access data, Dimensions can show you where your researchers are publishing

The screenshot shows the Dimensions website interface. At the top, there are search filters for 'Stanford University' (Research Organization), '2020 OR 2019 OR 2018 OR 2017 OR 2016' (Publication Year), and 'Article' (Publication Type). The left sidebar contains a 'FILTERS' menu with categories like GROUPS, PUBLICATION YEAR, RESEARCHER, FUNDER, COUNTRY OF FUNDER, RESEARCH ORGANIZATION, LOCATION - RESEARCH ORGANIZATION, RESEARCH CATEGORIES, PUBLISHERS, FUNDERS, RESEARCH ORGANIZATIONS, PLACES, and COMPARE. The 'SOURCE TITLES' filter is highlighted in red. The main content area shows 'ANALYTICAL VIEWS | PUBLICATIONS' and a 'Source Titles' section related to the search. A red callout box points to the 'PUBLICATIONS' tab, stating: 'Limit to journal articles, preprints, proceedings, chapters or monographs via publication type, depending on what you want to know'. Below this, there is a table of source titles with columns for Name, Publications, Citations, and Citations mean.

Name	↓ Publications	Citations	Citations mean
Proceedings of the National Academy of Sciences of ...	773	23,371	30.23
Journal of Clinical Oncology	680	2,900	4.26
Nature Communications	663	20,216	30.49
Scientific Reports	598	7,343	12.28
PLoS ONE	544	5,991	11.01
Blood	449	11,851	26.39
International Journal of Radiation Oncology • Biology ...	414	930	2.25
Nature	355	39,233	110.52
Science	349	29,912	85.71
Biophysical Journal	310	734	2.37

Publications



PUBLICATIONS

- Journal articles, pre-prints and books/book chapters, conference proceedings
- Full text searching available for ~70% of publications
- 100M + records based on metadata
- Metadata derived from multiple available databases
- Highly contextualized - related grants, publication references, citing publications, related trials, related patents, related policy documents, Altmetric attention
- OA tagged

JOURNALS / BOOKS



PRE-PRINT / OA



...and many more!

Datasets



DATASETS

- More than 11 million datasets
- Sourced from DataCite and Figshare
- Linked to publications, supporting grants and funders
- Filters for research organizations, funders, researchers and more

DATA CITE

				
				
				800+ more

FIGSHARE & FIGSHARE HOSTED REPOSITORIES

				
				
				70+ more

Grants data



GRANTS

- Project funding
- 6 million grants from 600+ funders globally
- \$2 trillion of funding
- Sourcing
 - Direct relationships with funders
 - Data available via APIs
 - Data available via websites which we crawl

app.dimensions.ai

Dimensions

MY ACCOUNT

- General settings
- Set currency
- ORCID information
- Set export format
- Export center

ABOUT DIMENSIONS

- Dimensions
- About the grants data**
- Acknowledgements
- Privacy Policy
- Legal Terms

About the grants data

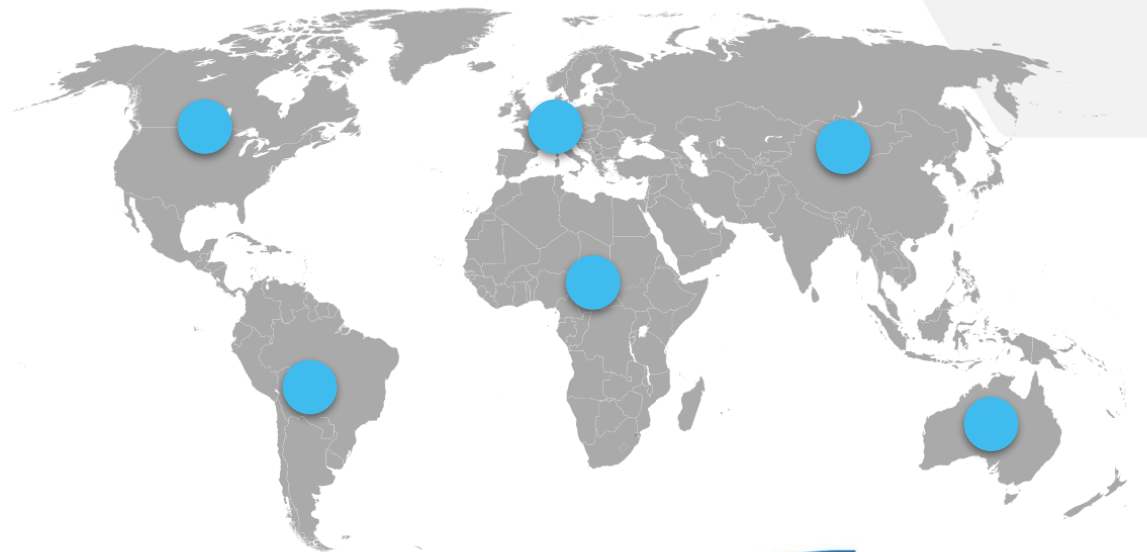
Dimensions checks all sources of grant data for new data each month. The latest data update was in May 2019. Individual funder data is available in the current release. The grant data contained in the current release is detailed below.

Funder	GRID ID	Country
Japan Society for the Promotion of Science (JSPS)	grid.54432.34	Japan
National Natural Science Foundation of China (NSFC)	grid.419696.5	China
Natural Sciences and Engineering Research Council (NSERC)	grid.452912.9	Canada
National Research Foundation (NRF)	grid.425534.1	South Africa
Russian Foundation for Basic Research (RFBR)	grid.452899.b	Russia
Federal Ministry of Education and Research (BMBF)	grid.5586.e	Germany
German Research Foundation (DFG)	grid.424150.6	Germany
European Commission (EC)	grid.270680.b	Belgium
Directorate for Mathematical & Physical Sciences (NSF MPS)	grid.457875.c	United States
Social Sciences and Humanities Research Council (SSHRC)	grid.183804.6	Canada
Directorate for Engineering (NSF ENG)	grid.457810.f	United States
Swiss National Science Foundation (SNF)	grid.425888.b	Switzerland
National Endowment for the Humanities (NEH)	grid.422239.c	United States
National Science Foundation (NSF)	grid.431093.c	United States

Patents data



- 141 million+ patent records
- Global coverage
- 100+ jurisdictions, including but not limited to:
 - China
 - Japan
 - United States
 - Germany
 - European Union
 - South Korea



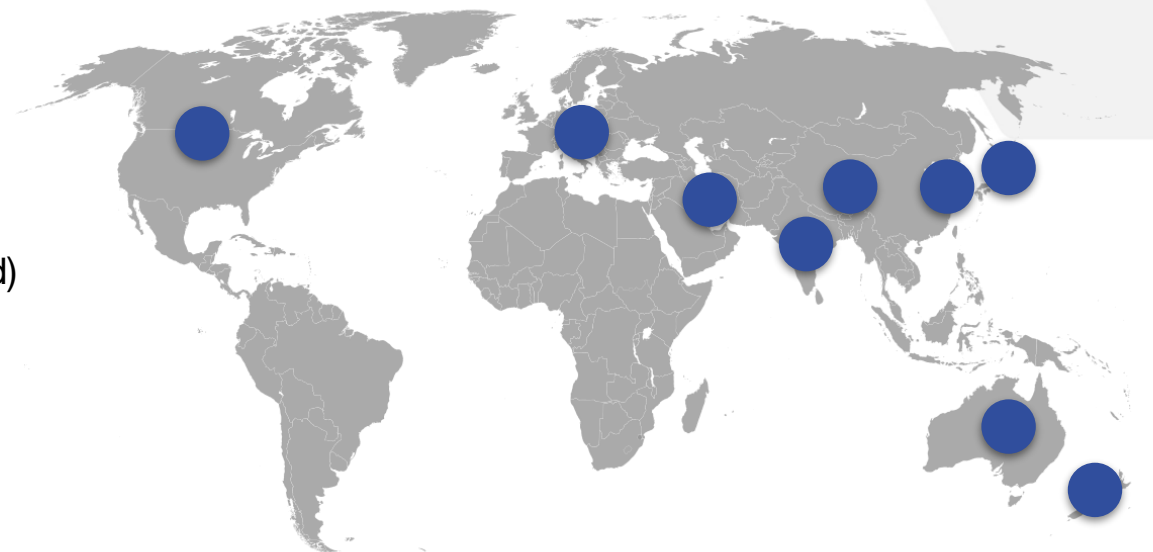
Clinical trials



CLINICAL TRIALS

- ClinicalTrials.gov (United States)
- EU-CTR (EU)
- UMIN-CTR (Japan)
- ISRCTN (International)
- ANZCTR (Australia/New Zealand)
- CHICTR (China)
- NTR (Netherlands)
- GCTR (Germany)
- CTRI (India)
- CRIS (Korea)
- ICRT (Iran)

... and more are coming



Policy documents data



POLICY DOCUMENTS

Over 700,000 policy document records,
linked to publications

Including but not limited to:

- World Health Organization
- World Bank
- Centers for Disease Control & Prevention
- Government of the United Kingdom
- National Bureau of Economic Research

The screenshot shows the Dimensions database interface. At the top, there is a search bar with the query 'e.g. plastic AND instrument'. Below the search bar, there are tabs for 'FILTERS' and 'FAVORITES'. The 'FILTERS' tab is active, and it shows a list of filters with their corresponding counts:

Filter	Count
GROUPS	
MY GROUPS	
SHARED GROUPS	
RESEARCH ORGANIZATION GROUPS	
PUBLICATION YEAR	
PUBLISHING ORGANIZATION	
World Health Organization	198,552
Government of the United Kingdom	169,560
World Bank	26,876
Centers for Disease Control and Prevention	25,151
Analysis & Policy Observatory	23,744
Food and Agriculture Organization of the United Nations	21,003
National Bureau of Economic Research	16,561
Scottish Government	15,227
New Zealand Treasury	14,588
Inter-American Development Bank	13,118
National Academies Press	10,600

On the right side of the interface, there is a summary of search results for 'POLICY DOCUMENTS' with a count of 710,020. Below this, there is a list of search results with the following details:

Title	Year	Publishing organization
COPD among adults in New Jersey	2022	Centers for Disease Control and Prevention (CDC)
Assistance by the People's Republic of China to Governments and Entities in Latin America and Africa	2021	US Agency for International Development (USAID)
COPD among adults in New Hampshire	2021	Centers for Disease Control and Prevention (CDC)
Congressional Testimony: North Korea's Perpetual Provocations: Another Dangerous, Escalatory Nuclear Test	2021	Center for Strategic and International Studies
Congressional Testimony: Defeating the Iranian Threat Network: Options for Countering Iranian Proxies	2021	Center for Strategic and International Studies
Congressional Testimony: Civilian Control of the Armed Forces	2021	Center for Strategic and International Studies

Learn more on our website!

[dimensions.ai](https://www.dimensions.ai)