

TIM Dual-Use

TIM Dual-Use Web Platform

TIM Dual-Use is a web-based platform tailored to the **mapping** of:

- **Dual-use technologies** listed in the "EU dual-use control list" (Annex I to [Regulation 428/2009](#), as amended under annual delegated Acts), divided into ten categories;
- **Emerging technologies** not listed but with potential dual-use applications.

Dual-use technologies might be included in the contents of SCOPUS abstracts, patents and EU-funded research projects, which therefore could be subject to export authorisations prior to publication or sharing, as required by [Regulation 428/2009](#).



Select category, or emerging technology

Access TIM DU dashboards for:

Technologies related to the EU dual-use control list's categories:

- [Cat.0 Nuclear Material, Facilities and Equipment](#) [Cat.1 Pathogens](#)
- [Cat.1 Special Materials and Related Equipment](#) [Cat.2 Material Processing](#)
- [Cat.3 Electronics](#) [Cat.4 Computers](#)
- [Cat.5 Telecommunications and Information Security](#)
- [Cat.6 Sensors and Lasers](#) [Cat.7 Navigation and Avionics](#)
- [Cat.8 Marine](#) [Cat.9 Aerospace and Propulsion](#)
- [Global Dual-Use Queries](#)

Emerging technologies:

- [Additive Manufacturing](#) [Artificial Intelligence](#) [Biotechnology](#)
- [Blockchain](#) [Cyber-Surveillance](#) [Nanotechnology](#)
- [Quantum Technology](#) [Smart Materials](#)

Cat. 1 - PATHOGENS (P) Dataset Severe acute respiratory synd... FILTERS ORDER

Navigation icons: list, grid, table, refresh

Dataset Info

SWITCH TO DATASET LIST

Dataset Definition
Dataset name: Severe acute respiratory syndrome-atale
Dataset definition: ICD10: "Severe acute respiratory syndrome" AND coronavirus
Dataset definition type: icd10(search)
Storage model: normal
Definition creation: 26-11-2020 02:44:02
Number of documents: 4200

Document Type Distribution
Sort: [1] [1] [1] [1] Y Max: [0] Stacked values: [] Cumulated values: [] Smooth lines: []

Document type - Yearly distribution

Documents (5000)

SWITCH TO DATASET LIST

Number of documents = 4200

Article Review Conference proceedings Book chapter Patent EU project

[] Year, Type [] [] 2002 [] 2020 [] Highlight text []

- Glycopeptide endobio and semisynthetic derivatives thereof and their use as antiviral agents
Entry type: Patent Entry ID: pat_fam_51932484 Year: 2002
- Identification of severe acute respiratory syndrome in canada
Entry type: Article Entry ID: 8_2-42.8-0012185988 Year: 2003
- Outbreak of severe acute respiratory syndrome in hong kong special administrative region: oaca report
Entry type: Article Entry ID: 8_2-42.8-0027454388 Year: 2003
- Severe acute respiratory syndrome (sars)
Entry type: Article Entry ID: 8_2-42.8-0027489588 Year: 2003
- Characterization of a novel coronavirus associated with severe acute respiratory syndrome
Entry type: Article Entry ID: 8_2-42.8-0027561920 Year: 2003
- Severe acute respiratory syndrome
Entry type: Article Entry ID: 8_2-42.8-0027680619 Year: 2003
- Comparative full-length genome sequence analysis of 14 sars coronavirus isolates and common mutations associated with putative origins of inho...

Publications_per_country

SWITCH TO DATASET LIST

Total size: 105 Filtered size: 105

Name	First	Last	Total
United States of America	2003	2020	280
China	2003	2020	266
Hong Kong	2003	2020	266
United Kingdom	2003	2020	266
Italy	2003	2020	261
Germany	2003	2020	237
Canada	2003	2020	237
Taiwan	2003	2020	218
Singapore	2003	2020	194
Japan	2003	2020	182
Netherlands	2003	2020	150
India	2003	2020	130
France	2003	2020	127
South Korea	2004	2020	110
Australia	2003	2020	108
Spain	2003	2020	105
Switzerland	2003	2020	88
Saudi Arabia	2004	2020	57
Iran	2008	2020	54
Poland	2003	2020	52
Sweden	2004	2020	51
Turkey	2003	2020	42
Belgium	2003	2020	39
Brazil	2004	2020	38

United States of America China Hong Kong United Kingdom Italy Germany Canada Taiwan Singapore Japan

Arrange, select views

Patents_per_country

SWITCH TO DATASET LIST

Total size: 105 Filtered size: 105

Name	First	Last	Total
United States of America	2002	2017	25
South Korea	2004	2017	19
China	2003	2018	18
France	2003	2009	4
Hong Kong	2003	2004	3
Singapore	2003	2004	3
Taiwan	2003	2009	3
Japan	2003	2006	3
Canada	2003	2003	2
Germany	2003	2003	2
Italy	2003	2006	2
Pakistan	2003	2003	2
Netherlands	2003	2003	1
Spain	2004	2004	1
Belgium	2002	2002	1
Australia	2003	2003	1
Russian Federation	2005	2005	1
United Kingdom	NaN	NaN	0
India	NaN	NaN	0
Switzerland	NaN	NaN	0
Turkey	NaN	NaN	0
Thailand	NaN	NaN	0
Mexico	NaN	NaN	0
Brazil	NaN	NaN	0

United States of America South Korea China France Hong Kong Singapore Taiwan Japan Canada Germany Italy Pakistan Netherlands Spain Belgium Australia Russian Federation United Kingdom India Switzerland Turkey Thailand Mexico Brazil

Countries

SWITCH TO DATASET LIST

Top to search: INFO ON OFF VIS NORMAL MODULARITY HOVER ON OFF HIDE ON OFF EDGES ON OFF LABELS ON OFF

EU vs World

SWITCH TO DATASET LIST

Top to search: INFO ON OFF VIS NORMAL MODULARITY HOVER ON OFF HIDE ON OFF EDGES ON OFF LABELS ON OFF

Selected category

Choose a dataset from the drop list

Select filters

Cat. 1 - SPECIAL MATERIALS AND RELATED EQUIPMENT (P)



Documents (50) SWITCH TO DATASET LIST

Number of documents = 454

Dataset

- Boron
- Beryllium
- Boron
- Calcium
- Catalysts for D2O or Tritium production
- ceramic materials
- Chemical precursors
- Composites production equipment

FILTERS **ORDER**

Book chapter Patent highlight text

Anticipated transient without core

Characteristics of using a jet-pump

Application of boron isotopes and neutron

The epithermal neutron irradiation station for boron neutron capture therapy (BNCT) at the "VVR-0M"

Simulation of per plant by a new version of trco-pf1 code including a three-dimensional neutronic model and a transport boron model

Neutron radiography experiments for verification of soluble boron mixing and transport modeling under natural circulation conditions

India Germany Italy Turkey Russian Federation Argentina Spain Canada Brazil Poland Malaysia Switzerland Sweden Finland Taiwan Austria Israel Czech Republic

Arrange, select tiles of the dashboard

Filters

Clean_org_name

Clean_country

Class

Year ⓘ

Automatic KW ⓘ

Author/Inventor name ⓘ

Scopus category descr ⓘ

RESET

OK

CANCEL

Multiple filters can be applied, or reset

- Organisation(s) to focus upon
- Country, or countries of interest
- Type of documents
- Choose the first year to be considered
- Keywords automatically retrieved within the results. Select to focus the analysis and the views
- Authors
- Journals' themes

If all filters are left empty, the results show by default all the available data

Clicking on OK, all the tile views synchronise to the selected filters

Click here to maximise window

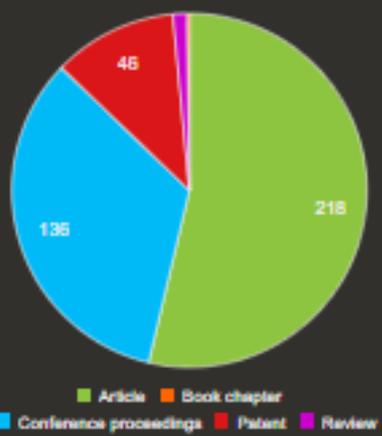
Dataset Info

[SWITCH TO DATASET LIST](#) 

Dataset Definition

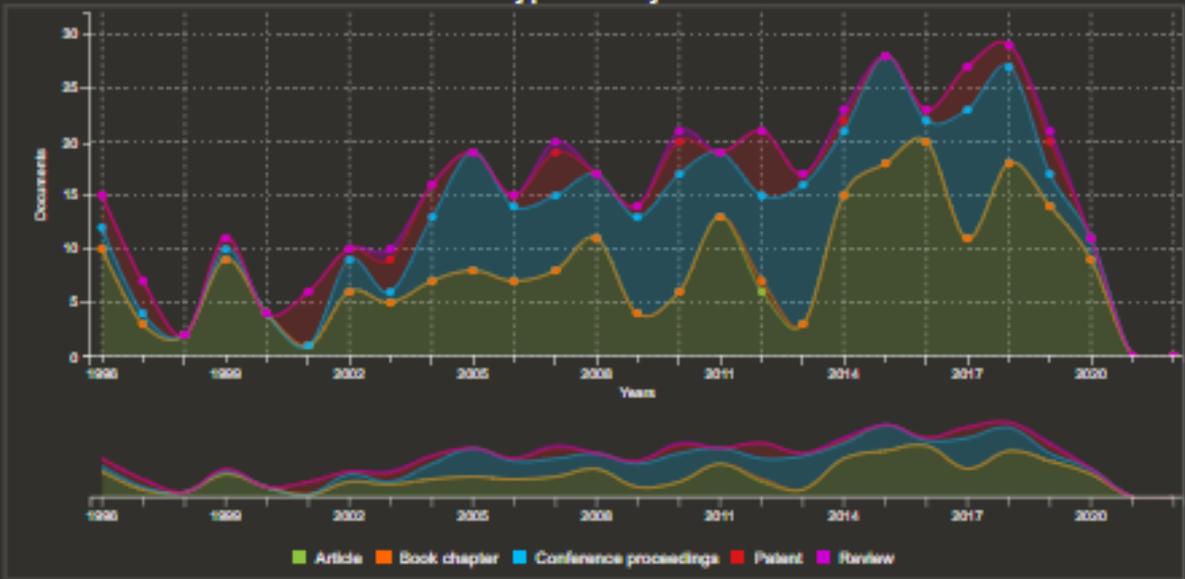
Dataset name: Beryllium
Dataset definition: topic:(beryllium AND (reflector OR "nuclear reactor" OR "neutrons scatter"))
Dataset definition type: solr|search
Storage model: normal
Definition creation: 30-11-2020 02:48:45
Number of documents: 408

Document Type Distribution



Sort: Asc Desc Default Stacked values Cumulated values Smooth lines

Document type - Yearly distribution



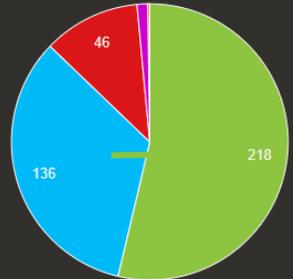


Dataset Definition

Dataset name: Beryllium
Dataset definition: topic:(beryllium AND (reflector OR "nuclear reactor" OR "neutrons scatter"))
Dataset definition type: solr|search
Storage model: normal
Definition creation: 30-11-2020 02:48:45
Number of documents: 406

query generating the dataset

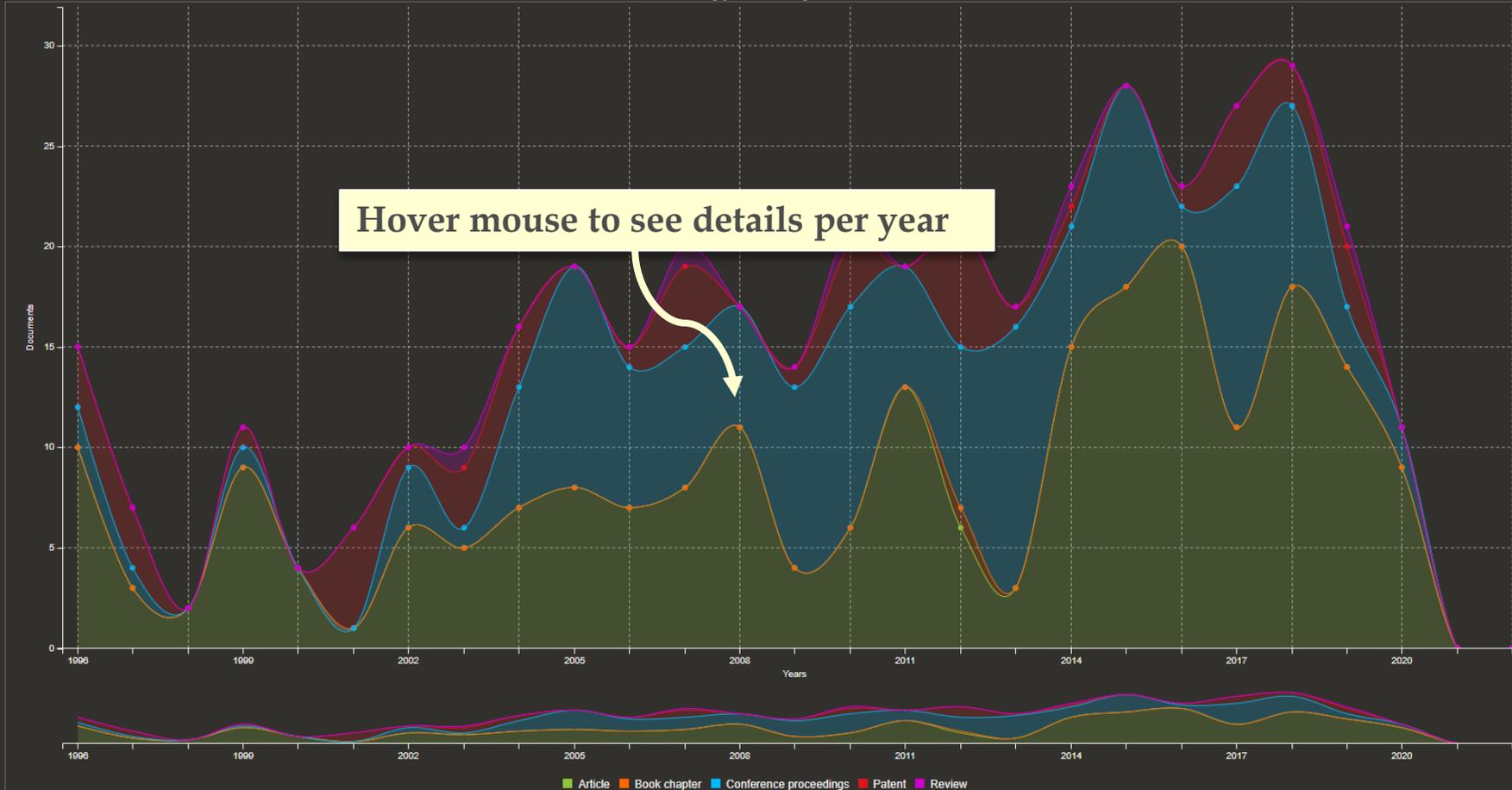
Document Type Distribution



Article Book chapter
Conference proceedings Patent Review

Sort [A-Z] [Z-A] [Date] Y Max: 0 Stacked values Cumulated values Smooth lines

Document type - Yearly distribution





Number of documents = 406

Article Conference proceedings Review Book chapter Patent

Year, Type ↓ | - 1996 + .. - 2020 + | highlight text | + -

Toggle to remove e.g. articles

Select/reverse different time period

Documents in chronological order, all types

An all phosphide 625 nm surface emitting resonant cavity led

Entry type: Article Entry ID: S_2-s2.0-0030212904 Year: 1996

Cell program and its application

Entry type: Article Entry ID: S_2-s2.0-0030217480 Year: 1996

Kinetics of helium bubble nucleation and growth in irradiated beryllium

Entry type: Article Entry ID: S_2-s2.0-0030223886 Year: 1996

Post-irradiation studies of beryllium reflector of fission reactor examination of gas release, swelling and structure of beryllium under annealing

Entry type: Article Entry ID: S_2-s2.0-0030259735 Year: 1996

Hydrogen release from reactor-irradiated beryllium

Entry type: Article Entry ID: S_2-s2.0-0030261264 Year: 1996

High flux isotope reactor redesigned beryllium reflector thermal stress calculations

Entry type: Article Entry ID: S_2-s2.0-0030410553 Year: 1996

Epithermal neutron activation analysis and its application in the miniature neutron source reactor

Entry type: Article Entry ID: S_2-s2.0-0030439679 Year: 1996

Neutron reflectivity measurements of titanium-beryllium multilayers

Entry type: Article Entry ID: S_2-s2.0-0030562891 Year: 1996

Nucleation and growth kinetics of helium bubbles in irradiated beryllium

Entry type: Article Entry ID: S_2-s2.0-0039562755 Year: 1996

A beryllium filter spectrometer with high efficiency for neutron inelastic scattering

Entry type: Article Entry ID: S_2-s2.0-1542577413 Year: 1996

The small deuteron accelerator as a source of slow neutrons

Entry type: Conference Entry ID: S_2-s2.0-84893808112 Year: 1996

Calculation of fast neutron spectra from a plane source of fission neutrons in various diffusing media using the monte carlo technique

Entry type: Conference Entry ID: S_2-s2.0-85077778277 Year: 1996



Number of documents = 188 (over a total of 406)

Article Conference proceedings Review Book chapter Patent
Year: 2020 highlight text
Toggle Article display

The small deuteron accelerator as a source of slow neutrons

Entry type: Conference Entry ID: S_2-s2.0-84893808112 Year: 1996

Calculation of fast neutron spectra from a plane source of fission neutrons in various diffusing media using the monte carlo technique

Entry type: Conference Entry ID: S_2-s2.0-8507778277 Year: 1996

Method for producing combustible nuclear fuel composition

Entry type: Patent Entry ID: pat_fam_20185733 Year: 1996

Neutron capture therapies

Entry type: Patent Entry ID: pat_fam_26699254 Year: 1996

Radioactive well logging

Entry type: Patent Entry ID: pat_fam_27117238 Year: 1996

Characterisation of an accelerator-based neutron source for bnct of explanted livers

Entry type: Conference Entry ID: S_2-s2.0-0030980544 Year: 1997

Bend measuring device for beryllium reflector

Entry type: Patent Entry ID: pat_fam_11772811 Year: 1997

Hip joining method of beryllium

Entry type: Patent Entry ID: pat_fam_15967149 Year: 1997

Vertical cavity surface emitting laser for high power single mode operation and method of fabrication

Entry type: Patent Entry ID: pat_fam_25457762 Year: 1997

Space propulsion annular compact engine (space): a nerva technology compact nuclear rocket concept

Entry type: Conference Entry ID: S_2-s2.0-84963807266 Year: 1999

Tapered air apertures for thermally robust vertical cavity laser structures

Entry type: Patent Entry ID: pat_fam_26864101 Year: 1999

Method for maintaining operation of beryllium block of nuclear reactor

Entry type: Patent Entry ID: pat_fam_20244520 Year: 2001

Expanded views
(all articles, or
single one)



Link to document
(redirecting to
the source)

Visual fields in glaucoma: a clinical overview

Entry type: Article Entry ID: S_2-s2.0-70349274547 Year: 2000

Wood J.M., Swann P.G., Stavrou E.P.
Queensland University of Technology

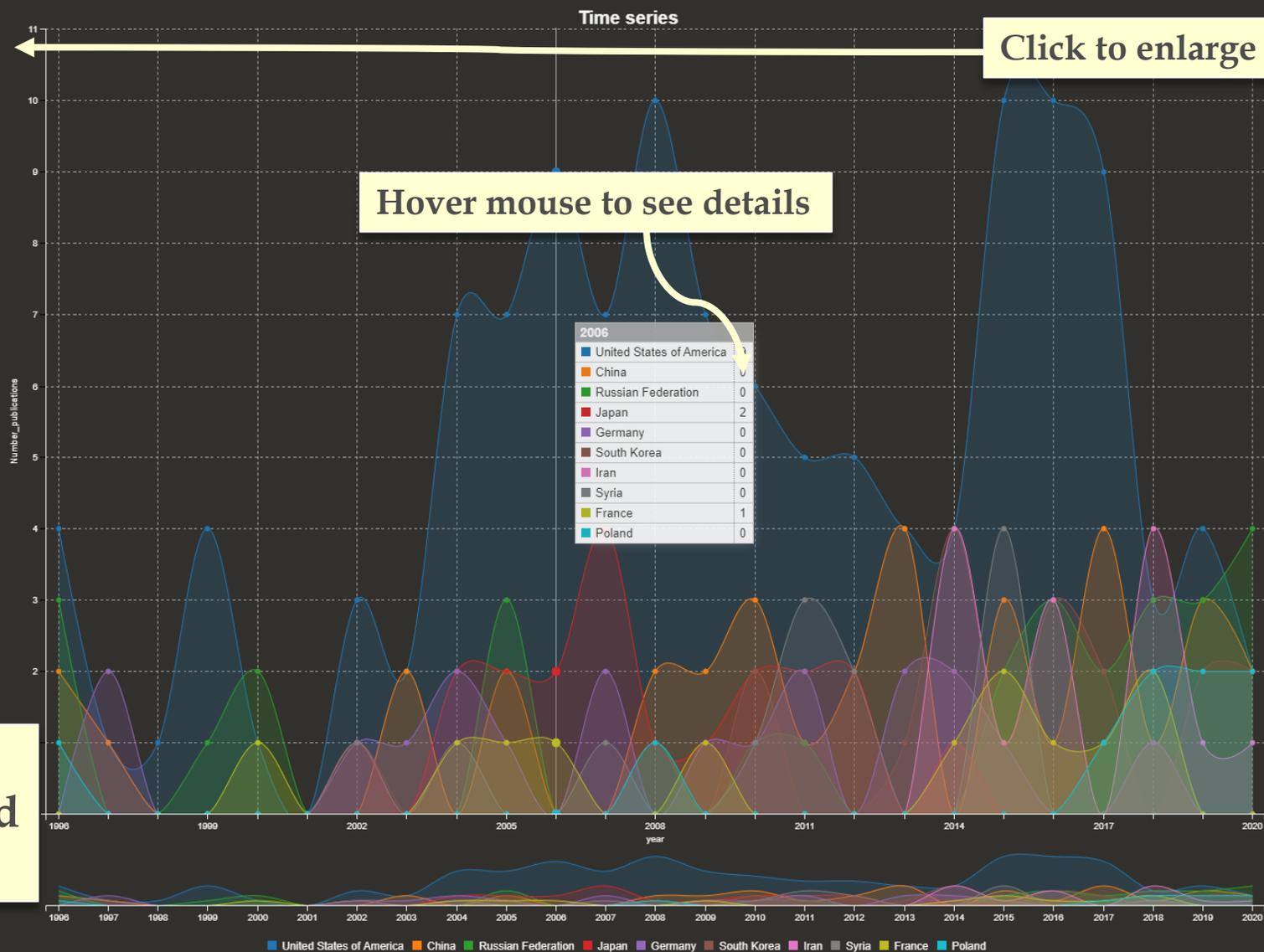
Static automated visual field testing is now an integral part of the detection and monitoring of primary open angle glaucoma. The major challenges facing the practitioner are differentiating between the visual fields of a patient with early glaucoma and normal tension glaucoma. This paper presents a clinical overview of how to systematically review visual field plots and how to recognise defects arising from normal tension glaucoma. © 2000 Blackwell Science Ltd

Authors'
affiliations



Total size: 54 Filtered size: 54

Name	First	Last	Total
All	All	All	All
<input checked="" type="checkbox"/> United States of America	1996	2020	125
<input checked="" type="checkbox"/> China	1996	2020	35
<input checked="" type="checkbox"/> Russian Federation	1996	2020	29
<input checked="" type="checkbox"/> Japan	2002	2018	21
<input checked="" type="checkbox"/> Germany	1997	2018	19
<input checked="" type="checkbox"/> South Korea	2002	2020	19
<input checked="" type="checkbox"/> Iran	2014	2020	14
<input checked="" type="checkbox"/> Syria	2002	2015	13
<input checked="" type="checkbox"/> France	2000	2018	12
<input checked="" type="checkbox"/> Poland	1996	2020	9
<input type="checkbox"/> Italy	1997	2019	8
<input type="checkbox"/> Pakistan	2002	2017	8
<input type="checkbox"/> India	2004	2018	8
<input type="checkbox"/> Sweden	2013	2018	7
<input type="checkbox"/> Portugal	1996	2014	6
<input type="checkbox"/> Spain	2011	2020	6
<input type="checkbox"/> United Kingdom	1996	2019	5
<input type="checkbox"/> Turkey	1999	2019	5
<input type="checkbox"/> Egypt	2001	2019	5
<input type="checkbox"/> Switzerland	2014	2018	5
<input type="checkbox"/> Denmark	2015	2018	5
<input type="checkbox"/> Canada	2007	2020	4
<input type="checkbox"/> Ghana	2010	2018	4
<input type="checkbox"/> Brazil	2013	2018	4
<input type="checkbox"/> Netherlands	2002	2015	3

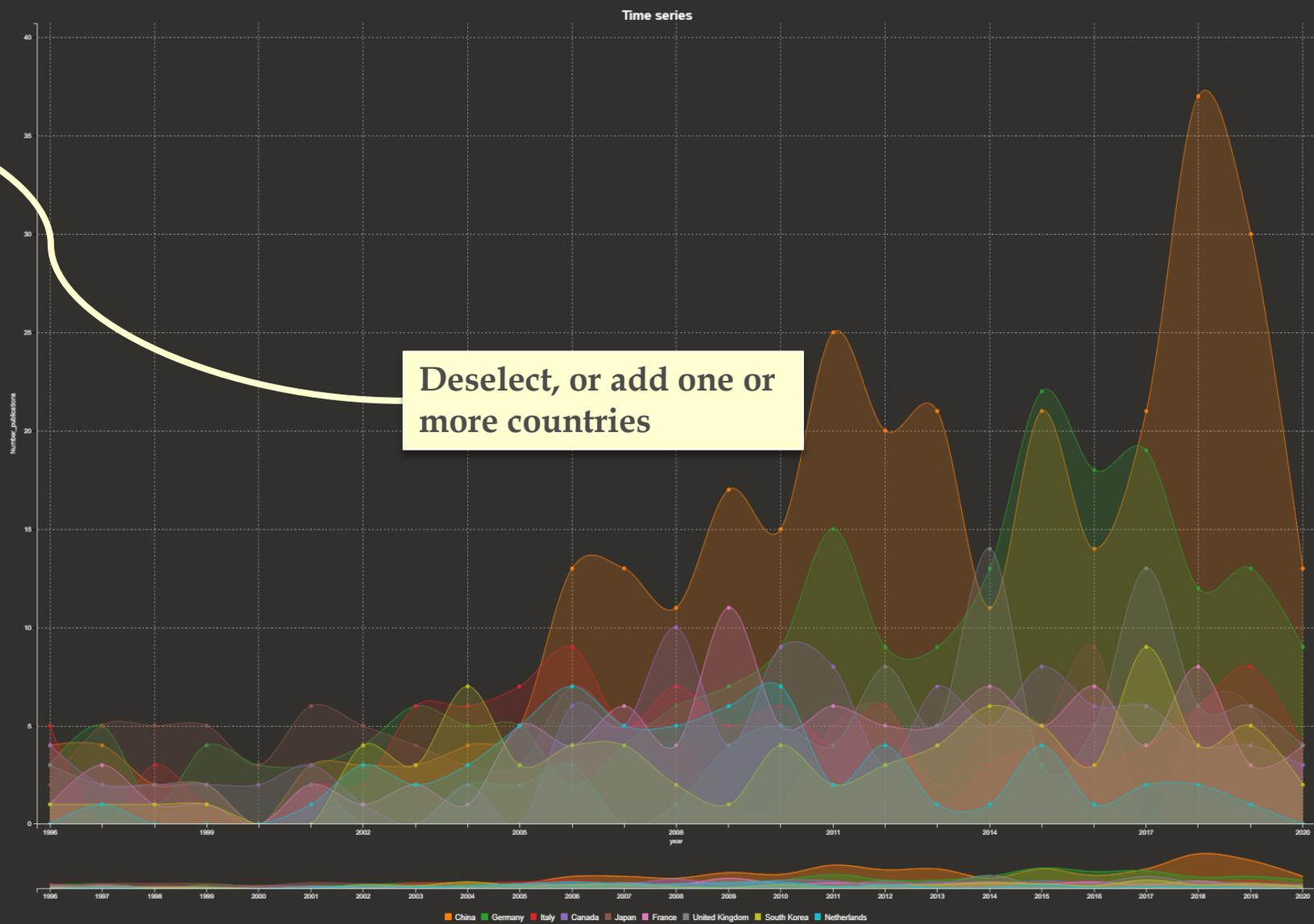


Top 10 countries for publications produced shown in the chart



Total size: 76 Filtered size: 76

Name	First	Last	Total
All	All	All	All
<input type="checkbox"/> United States of America	1996	2020	470
<input checked="" type="checkbox"/> Germany	1996	2020	312
<input checked="" type="checkbox"/> Italy	1996	2020	206
<input checked="" type="checkbox"/> Canada	1996	2020	107
<input checked="" type="checkbox"/> Japan	1996	2019	106
<input checked="" type="checkbox"/> France	1996	2020	101
<input checked="" type="checkbox"/> United Kingdom	1996	2020	96
<input checked="" type="checkbox"/> South Korea	1996	2020	79
<input checked="" type="checkbox"/> Netherlands	1997	2019	63
<input type="checkbox"/> India	2002	2020	62
<input type="checkbox"/> Malaysia	2002	2020	61
<input type="checkbox"/> Turkey	2001	2020	58
<input type="checkbox"/> Brazil	2003	2020	53
<input type="checkbox"/> Iran	1998	2020	52
<input type="checkbox"/> Portugal	2004	2017	34
<input type="checkbox"/> Australia	2001	2020	30
<input type="checkbox"/> Austria	2011	2020	25
<input type="checkbox"/> Belgium	1996	2020	23
<input type="checkbox"/> Taiwan	1996	2017	22
<input type="checkbox"/> Spain	1997	2020	21
<input type="checkbox"/> Russian Federation	2001	2020	19
<input type="checkbox"/> Switzerland	1996	2018	17
<input type="checkbox"/> Sweden	1997	2017	16
<input type="checkbox"/> Czech Republic	1999	2020	14

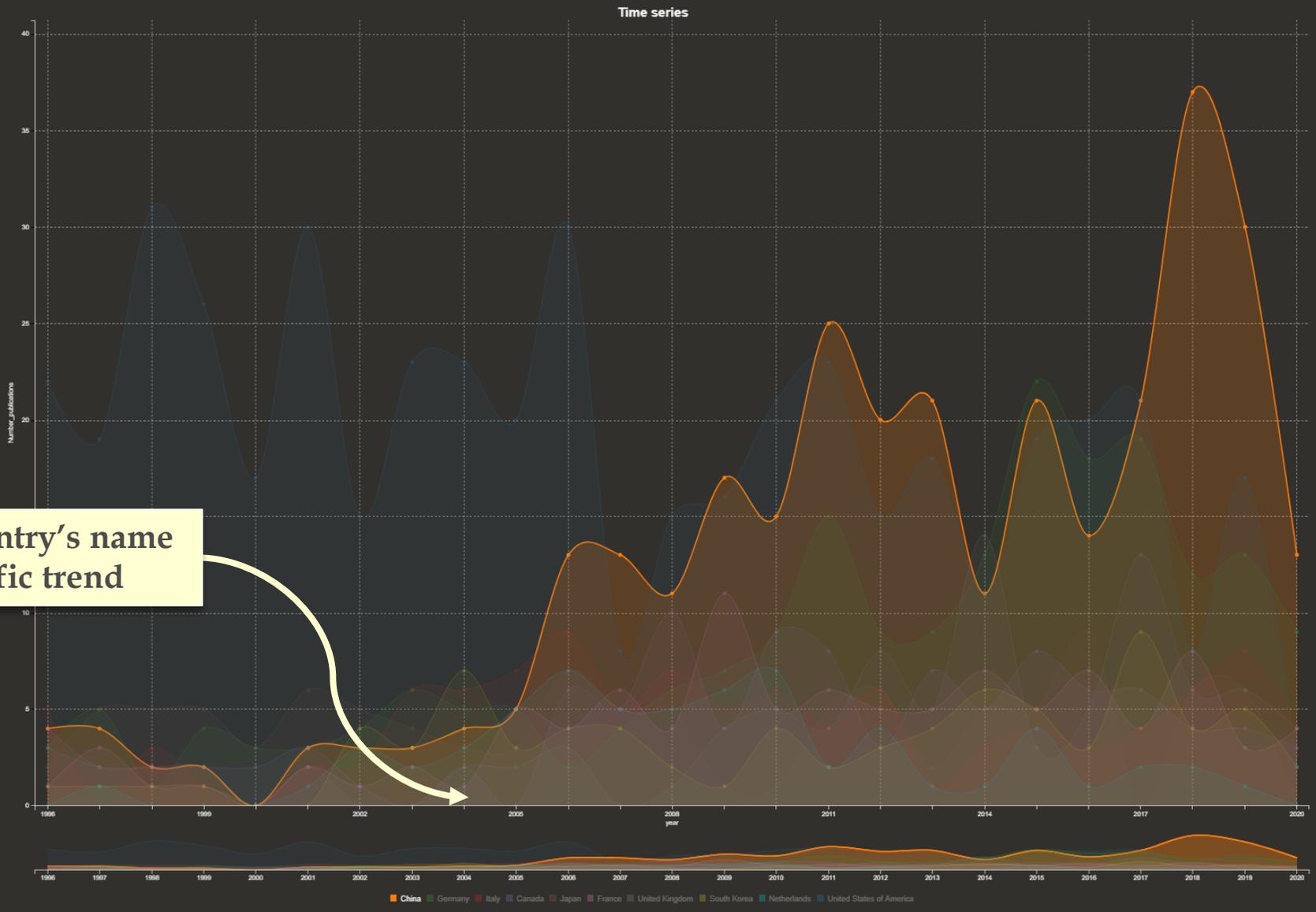


Deselect, or add one or more countries

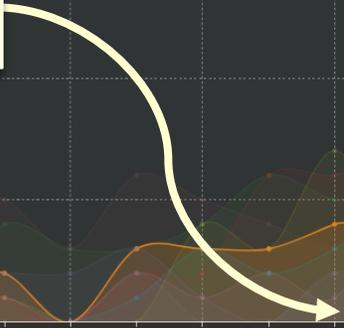


Total size: 76 Filtered size: 76

Name	First	Last	Total
All	All	All	All
<input checked="" type="checkbox"/> United States of America	1996	2020	470
<input checked="" type="checkbox"/> China	1996	2020	312
<input checked="" type="checkbox"/> Germany	1996	2020	206
<input checked="" type="checkbox"/> Italy	1996	2020	107
<input checked="" type="checkbox"/> Canada	1996	2020	106
<input checked="" type="checkbox"/> Japan	1996	2019	104
<input checked="" type="checkbox"/> France	1996	2020	101
<input checked="" type="checkbox"/> United Kingdom	1996	2020	96
<input checked="" type="checkbox"/> South Korea	1996	2020	79
<input checked="" type="checkbox"/> Netherlands	1997	2019	63
<input type="checkbox"/> India	2002	2020	62
<input type="checkbox"/> Malaysia	2002	2020	61
<input type="checkbox"/> Turkey	2001	2020	58
<input type="checkbox"/> Brazil	2003	2020	53
<input type="checkbox"/> Iran	1998	2020	52
<input type="checkbox"/> Portugal	2004	2017	34
<input type="checkbox"/> Australia	2001	2020	30
<input type="checkbox"/> Austria	2011	2020	25
<input type="checkbox"/> Belgium	1996	2020	23
<input type="checkbox"/> Taiwan	1996	2017	22
<input type="checkbox"/> Spain	1997	2020	21
<input type="checkbox"/> Russian Federation	2001	2020	19
<input type="checkbox"/> Switzerland	1996	2018	17
<input type="checkbox"/> Sweden	1997	2017	16
<input type="checkbox"/> Czech Republic	1999	2020	14



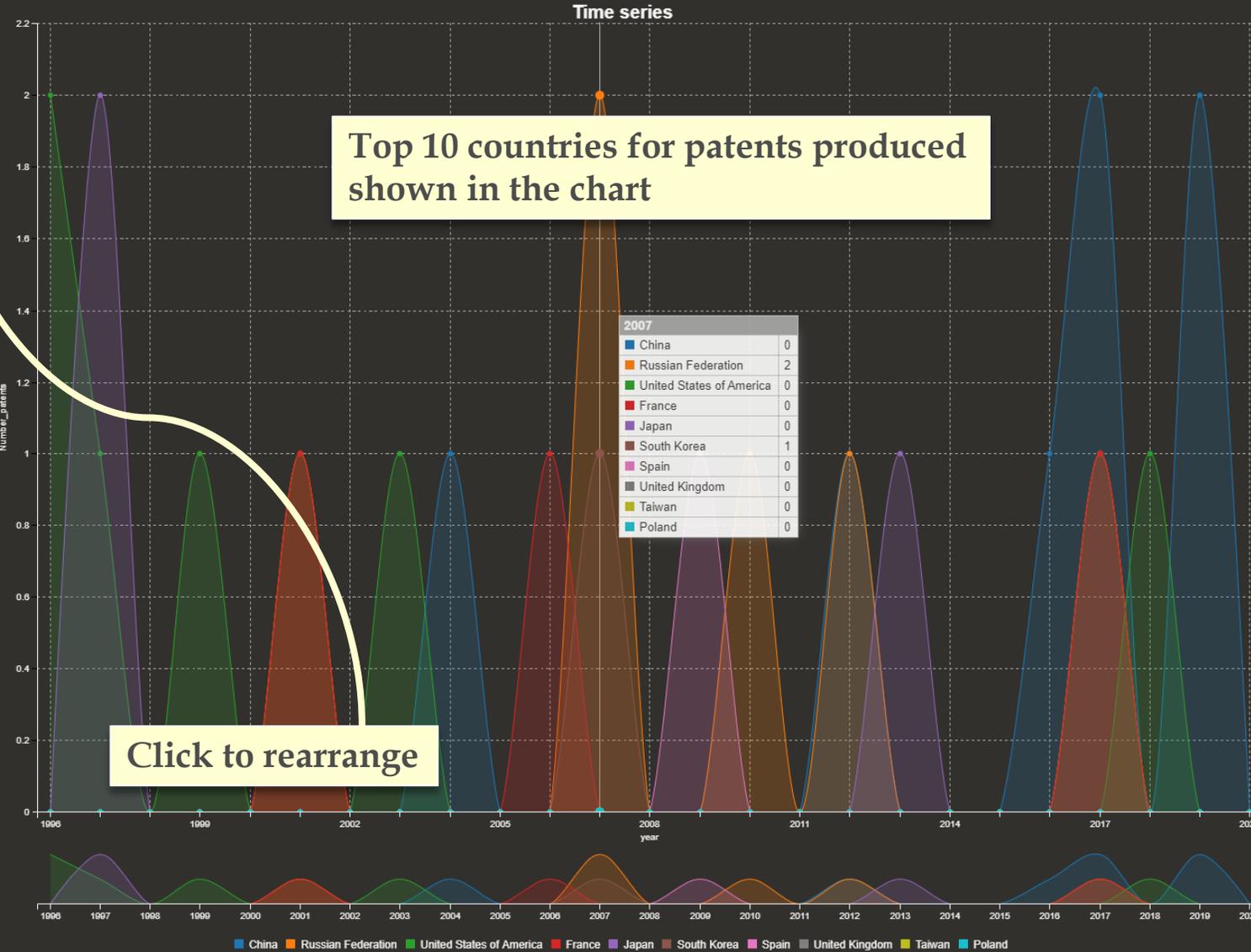
Hover mouse on country's name to highlight its specific trend





Total size: 54 Filtered size: 54

Name	First	Last	Total
All	All	All	All
<input checked="" type="checkbox"/> China	2004	2019	7.0
<input checked="" type="checkbox"/> Russian Federation	2001	2017	6.0
<input checked="" type="checkbox"/> United States of America	1996	2018	6.0
<input checked="" type="checkbox"/> France	2001	2017	3.0
<input checked="" type="checkbox"/> Japan	1997	2013	3.0
<input checked="" type="checkbox"/> South Korea	2007	2007	1.0
<input checked="" type="checkbox"/> Spain	2009	2009	0
<input checked="" type="checkbox"/> United Kingdom	NaN	NaN	0
<input checked="" type="checkbox"/> Taiwan	NaN	NaN	0
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<input type="checkbox"/> Italy	NaN	NaN	0
<input type="checkbox"/> Germany	NaN	NaN	0
<input type="checkbox"/> Argentina	NaN	NaN	0
<input type="checkbox"/> Turkey	NaN	NaN	0
<input type="checkbox"/> Syrian Arab Republic	NaN	NaN	0
<input type="checkbox"/> Egypt	NaN	NaN	0
<input type="checkbox"/> Syria	NaN	NaN	0
<input type="checkbox"/> Pakistan	NaN	NaN	0
<input type="checkbox"/> Nigeria	NaN	NaN	0
<input type="checkbox"/> India	NaN	NaN	0
<input type="checkbox"/> Portugal	NaN	NaN	0
<input type="checkbox"/> Finland	NaN	NaN	0
<input type="checkbox"/> Netherlands	NaN	NaN	0
<input type="checkbox"/> Belgium	NaN	NaN	0
<input type="checkbox"/> Ukraine	NaN	NaN	0



Top 10 countries for patents produced shown in the chart

Click to rearrange

Country-based views



Type to search

INFO VIS NORMAL MODULARITY HOVER HIDE EDGES LABELS

How to interpret network graphs

Size of the nodes:

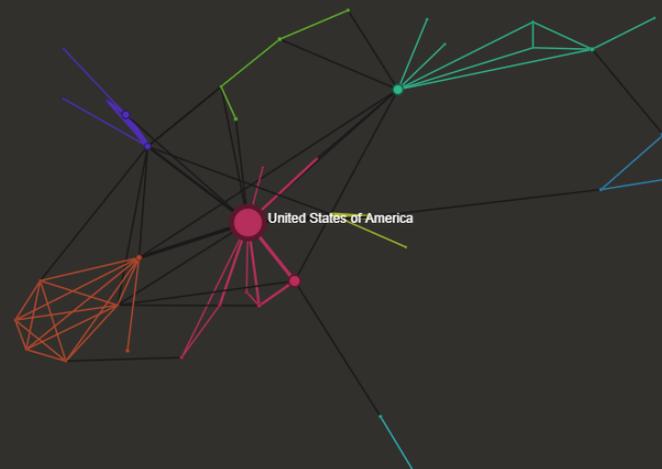
Number of documents retrieved for an organisation, location, topic or other.

Edges (lines between two nodes):

Co-occurrence in the same document(s):
edge thickness relative to number of documents in common

Colours:

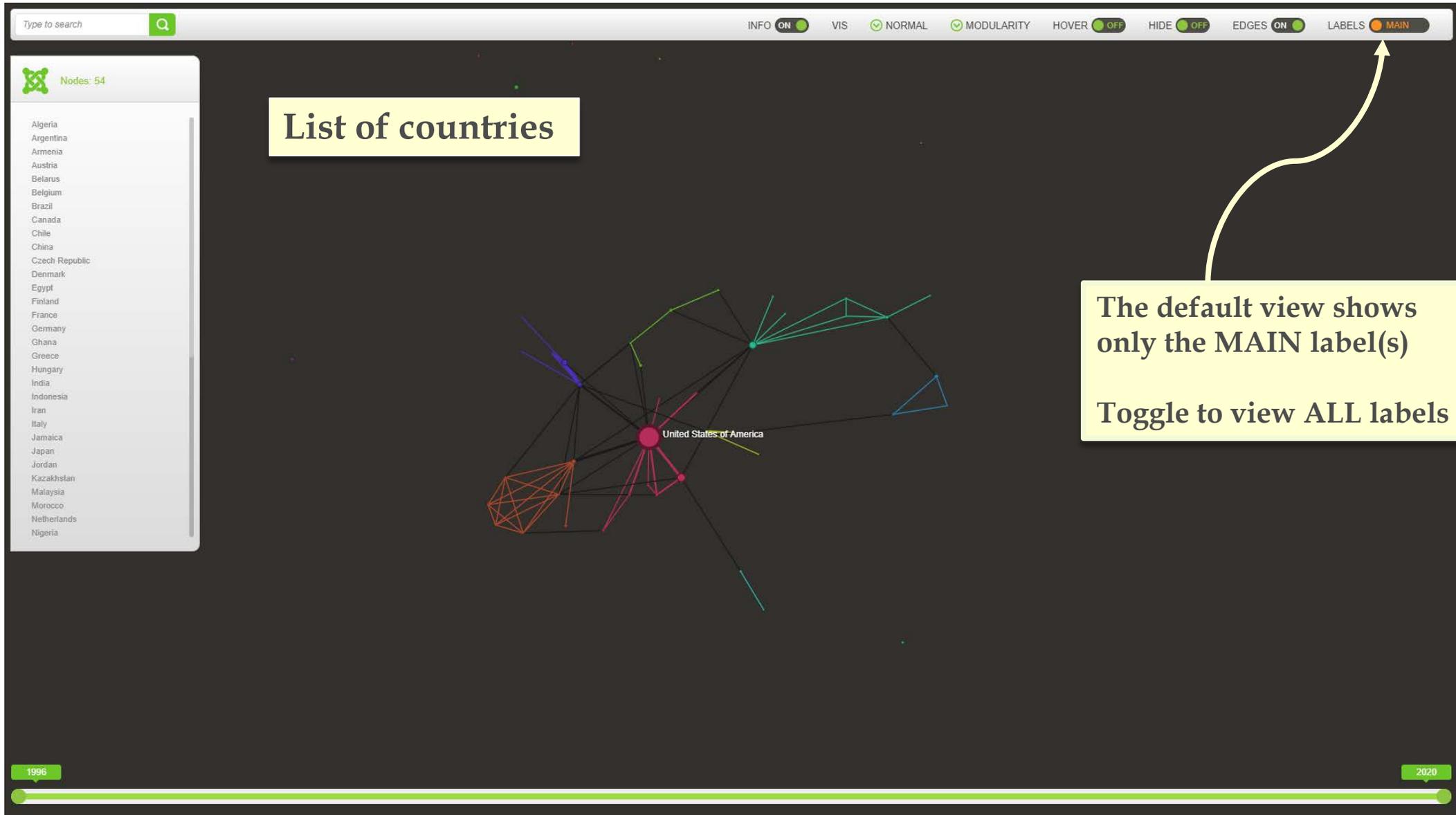
Communities of nodes that tend to collaborate together



Click INFO to view countries

1996

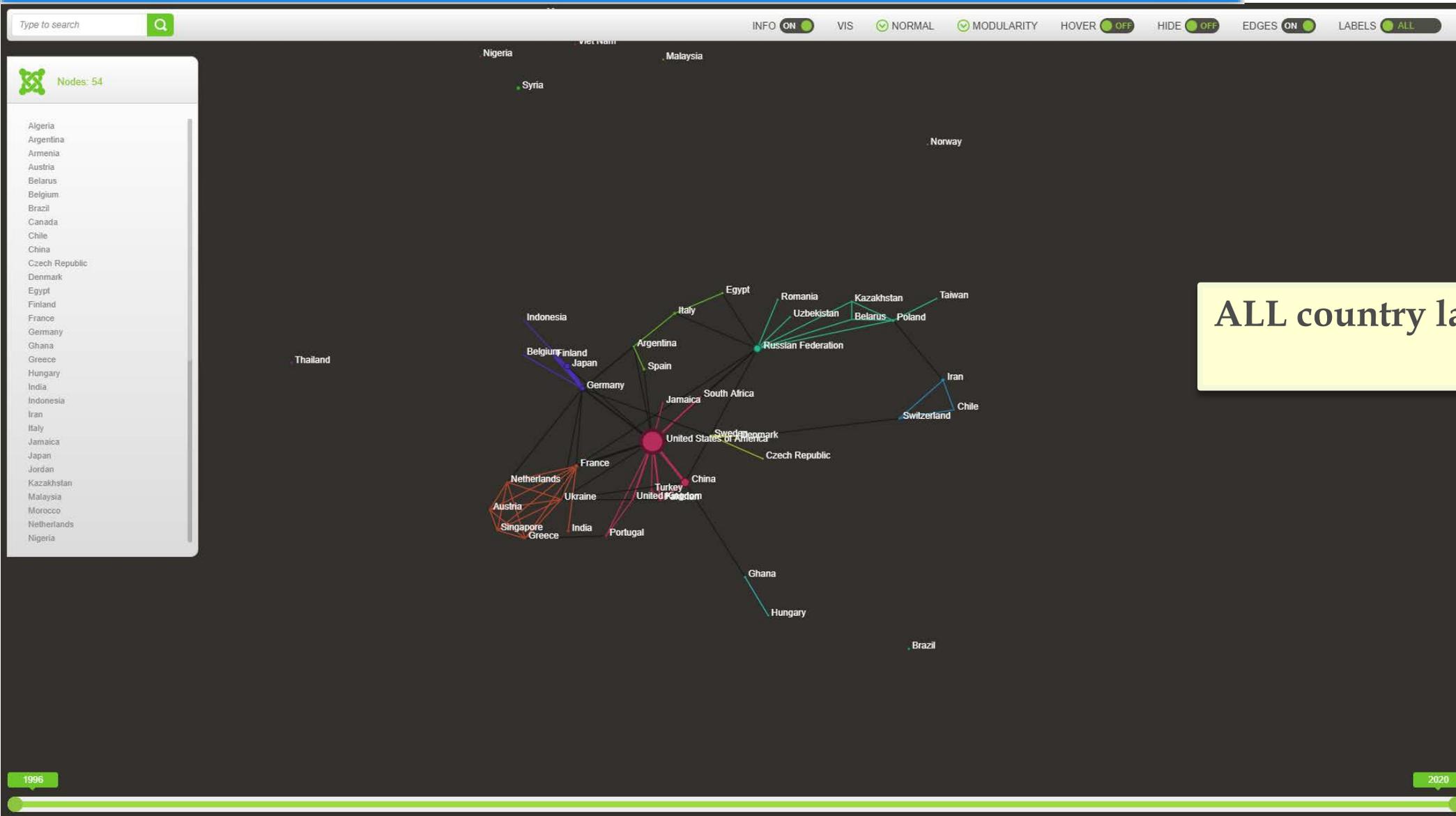
2020



List of countries

The default view shows only the MAIN label(s)

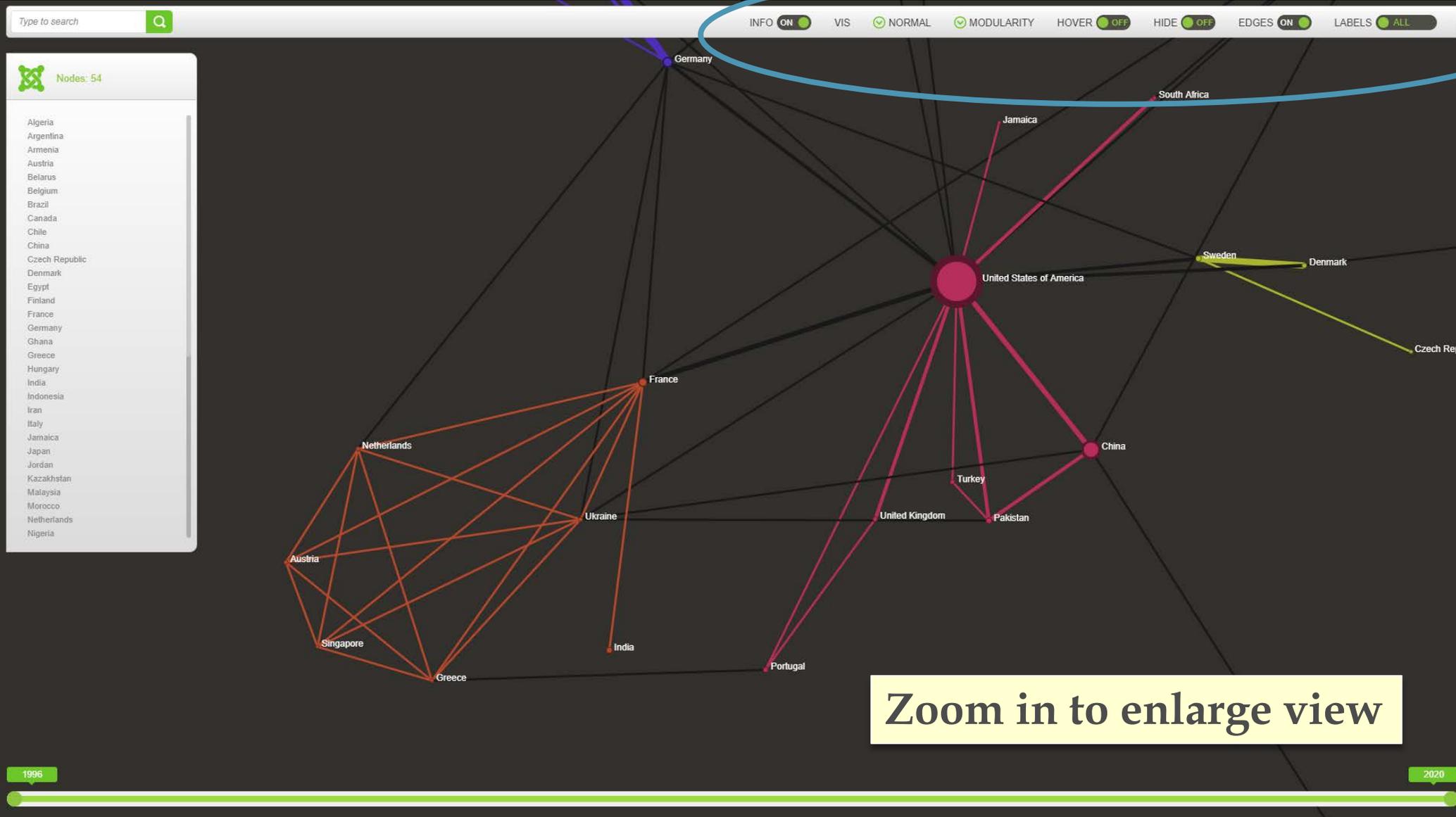
Toggle to view ALL labels



ALL country labels



More toolbar's options in SLIDES 40-41



Zoom in to enlarge view



Type to search



INFO

VIS

NORMAL

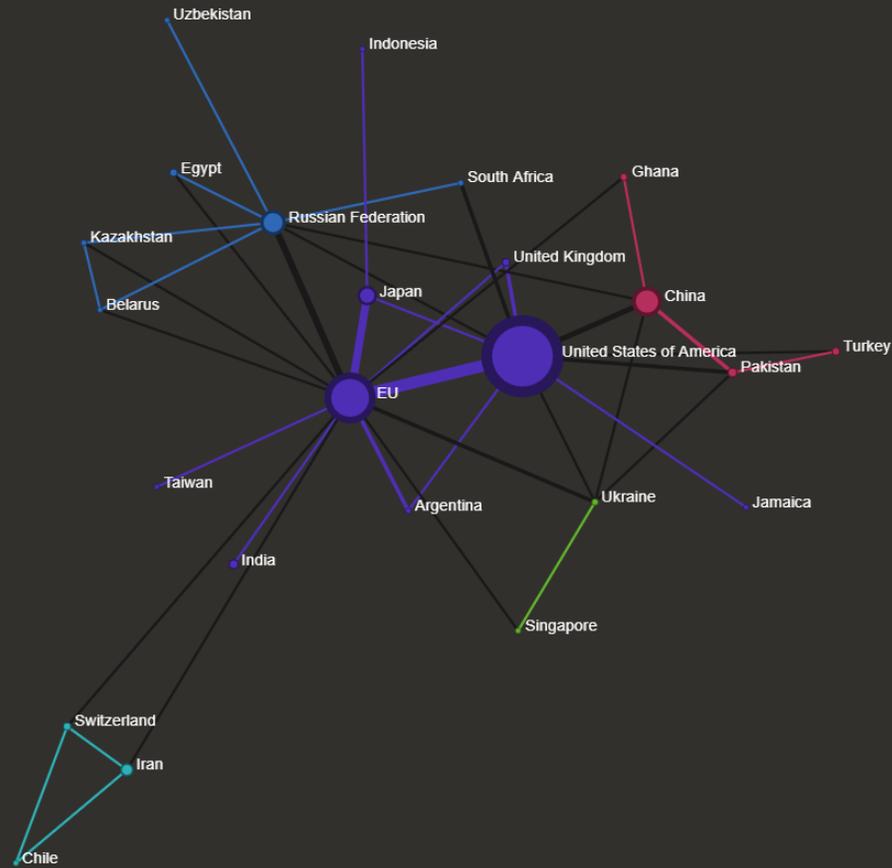
MODULARITY

HOVER

HIDE

EDGES

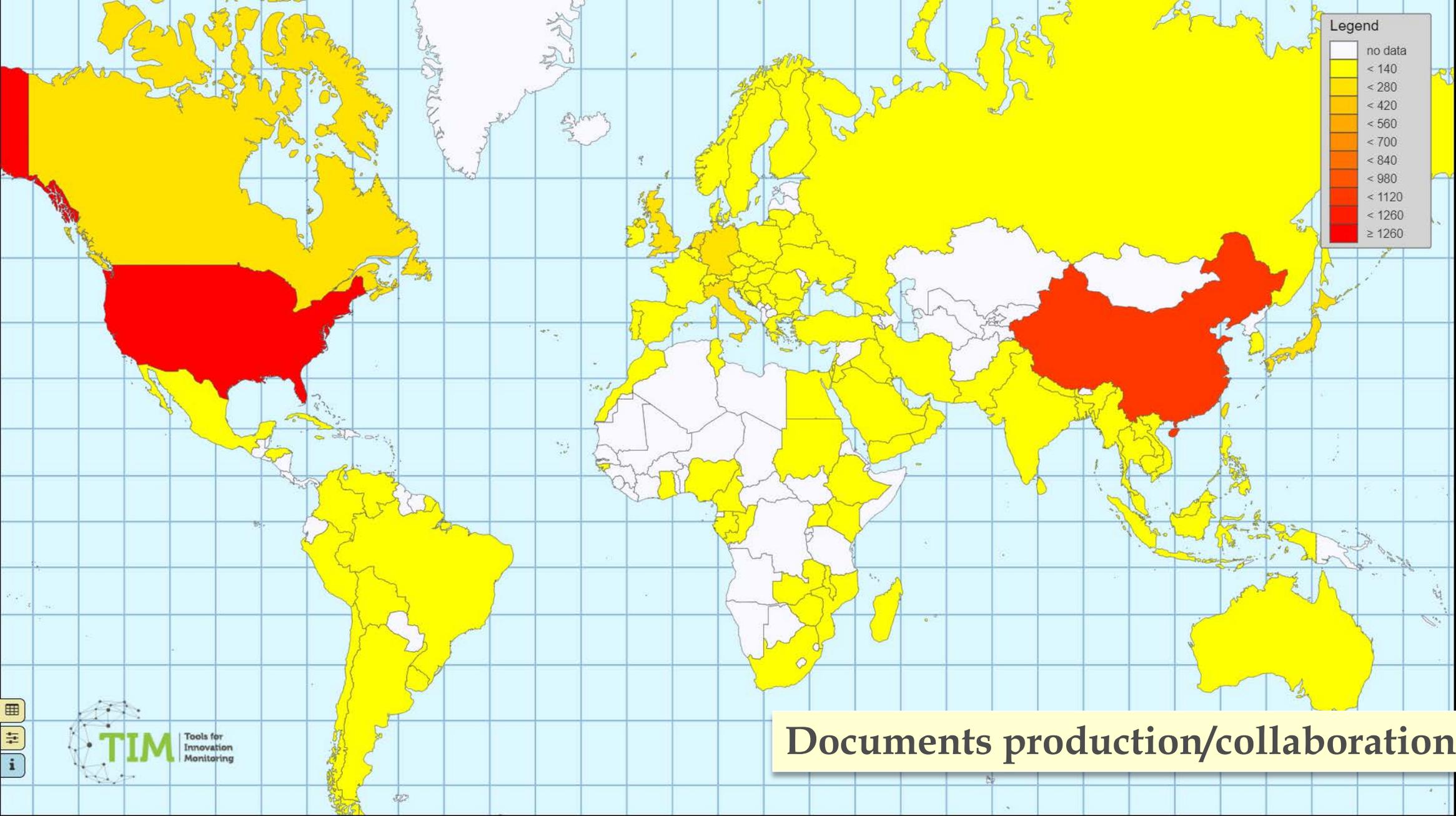
LABELS



1996

2020





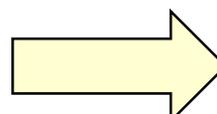
Documents production/collaborations





Entries : 76

emm_affiliation_...	Value	orderby_Num...	orderby_Num...
		1	0
Algeria		7	0
Argentina	7	7	0
Australia	30	30	0
Austria	30	25	2
Azerbaijan	1	1	0
Bangladesh	3	3	0
Belarus	1	0	1
Belgium	34	23	8
Brazil	55	53	2
Bulgaria	1	1	0
Cameroon	4	4	0
Canada	112	106	6
Chile	1	1	0
China	547	312	235
Colombia	1	1	0
Croatia	1	1	0
Czech Republic	17	14	1
Denmark	9		
Egypt	6		
EL	1		
Estonia	3		
Ethiopia	1	1	0
Finland	11	7	1
France	123	101	16



Click to rearrange, e.g. based on the total number of documents

Entries : 76

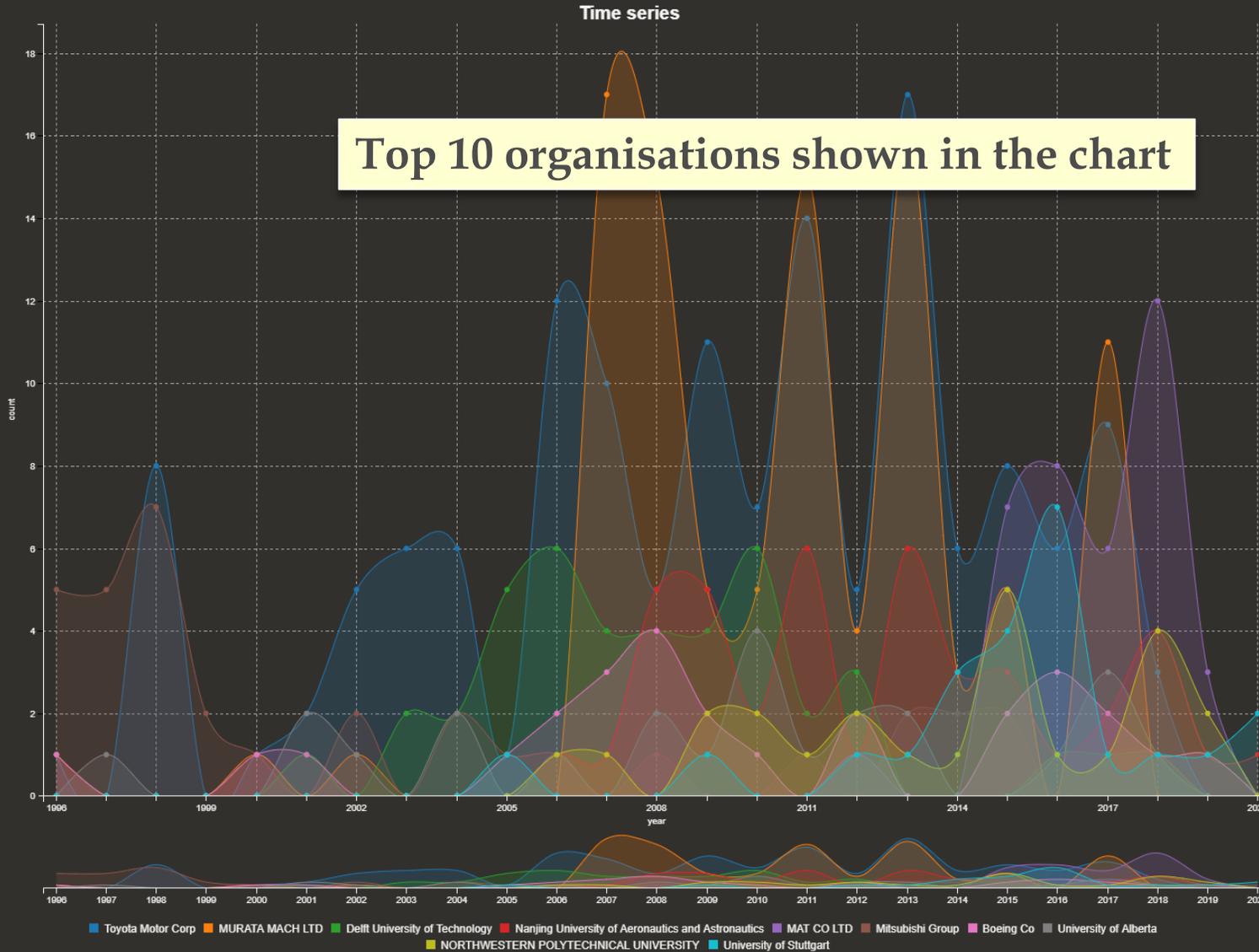
emm_affiliation_...	Value	orderby_Num...	orderby_Num...
United States of America	600	470	129
China	547	312	235
Japan	544	104	439
Germany	241	206	27
South Korea	181	79	101
France	123	101	16
United Kingdom	114	96	13
Italy	114	107	4
Canada	112	106	6
Netherlands	73	63	7
India	63	62	1
Malaysia	61	61	0
Turkey	59	58	0
Iran	55	52	3
Brazil	55	53	2
Portugal	38	34	0
Taiwan	36	22	14
Belgium	34	23	8
Spain	32	21	5
Russian Federation	31	19	12
Austria	30	25	2
Australia	30	30	0
Switzerland	21	17	3
Sweden	18	16	2
Pakistan	18	12	6

Organisations



Total size: 2315 Filtered size: 2315

Name	First	Last	Total
All	All	All	All
<input checked="" type="checkbox"/> Toyota Motor Corp	1996	2018	143
<input checked="" type="checkbox"/> MURATA MACH LTD	1996	2017	99
<input checked="" type="checkbox"/> Delft University of Technology	2001	2018	42
<input checked="" type="checkbox"/> Nanjing University of Aeronautics...	2006	2020	42
<input checked="" type="checkbox"/> MAT CO LTD	2012	2019	37
<input checked="" type="checkbox"/> Mitsubishi Group	1996	2018	36
<input checked="" type="checkbox"/> Boeing Co	1996	2019	27
<input checked="" type="checkbox"/> University of Alberta	1997	2018	24
<input checked="" type="checkbox"/> NORTHWESTERN POLYTECH...	2006	2019	24
<input checked="" type="checkbox"/> University of Stuttgart	2005	2020	23
<input type="checkbox"/> Semiconductor Manufacturing In...	2003	2019	22
<input type="checkbox"/> Zhejiang University	1996	2020	21
<input type="checkbox"/> Harbin Institute of Technology	2004	2020	18
<input type="checkbox"/> TORAY IND INC	1996	2016	18
<input type="checkbox"/> Concordia University	1996	2020	17
<input type="checkbox"/> CNRS	1997	2020	17
<input type="checkbox"/> Beijing University of Chemical Te...	2005	2020	17
<input type="checkbox"/> RWTH Aachen University	2004	2019	17
<input type="checkbox"/> Universiti Malaysia Perlis	2011	2019	17
<input type="checkbox"/> Federal University of Rio Grande...	2014	2020	17
<input type="checkbox"/> University of Manitoba	1998	2020	16
<input type="checkbox"/> YINGLI SOLAR CO., LTD.	2006	2018	16
<input type="checkbox"/> ISEP	2005	2014	15
<input type="checkbox"/> Université de Sherbrooke	2007	2020	15
<input type="checkbox"/> China University of Mining and T...	2006	2018	15





Nodes: 2315

- /Technol.
- 2Phase Technologies, Inc.
- 3M Center
- 3M INNOVATIVE PROPERTIES CO
- 77250
- A + P Technology
- A Division of Resin Systems, Inc.
- A and P Technology, Inc.
- A&P Technology, Inc.
- ABAOUS South, Inc.
- ABB Corporate Rsch
- ACM
- ACONDICIONAMIENTO TARRASENSE
- ASSOCIACION
- ACPT
- ADAM OPEL AG
- ADC ACQUISITION COMPANY
- ADCET
- ADFA
- ADOPTECH, Inc.
- ADVANCED CERAMICS RESEARCH INC
- ADVANCED COMPOSITES INC
- ADVANCED FIBRE PLACEMENT TECHNOLOGY BV
- ADVANCED INT MULTITECH CO LTD
- AEA TECHNOLOGY PLC
- AEROSPACE CORP
- AEROSPACE RES INST MATERIALS & PROC TECHNOLOGY
- AEROSPACE RESEARCH INSTITUTE OF MATERIALS&PROCESSING TECHNOLOGY

Type its name to zoom in and view connections of a specific organisation

Università degli Studi di Cassino

Gifu University

Hitachi Ltd



You can also go back to FILTERS to choose specific entit(ies).
Start typing in the field, selecting all possible spellings/acronyms

Filters

Clean_org_name

Hong Kong un

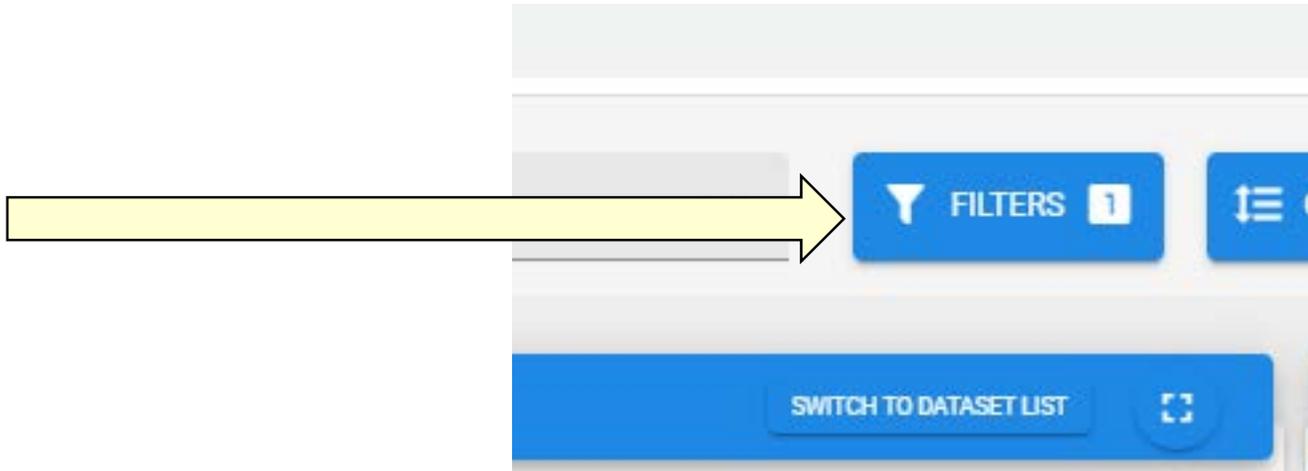
- Hong Kong Univ. of Sci. and Technol.
- Hong Kong University of Science and Technology

Class

Starting year ⓘ

Automatic KW ⓘ

RESET OK CANCEL



Once you click on OK, all the
tile views synchronise to the
selection

Example of country analysis

Dataset
Composites production equip... **FILTERS**

Documents_(5000) SWITCH TO DATASET LIST

Number of documents = 3593
Article Conference proceedings Review Book chapter Patent EU project
Year, Type | 1896 | 2020 | highlight, sort

Filters

Organisation

Country

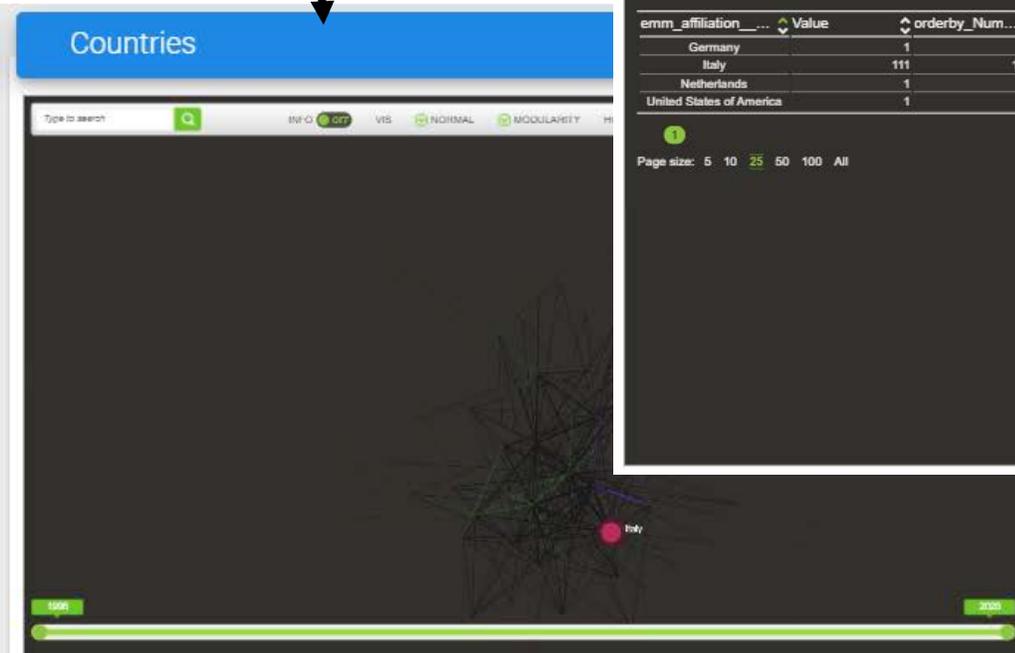
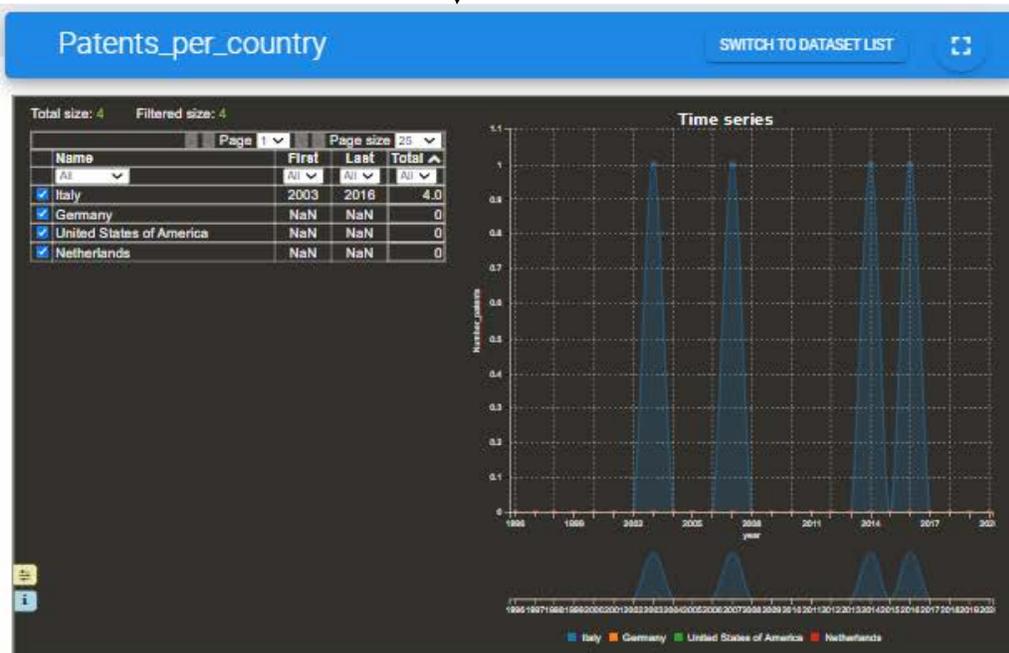
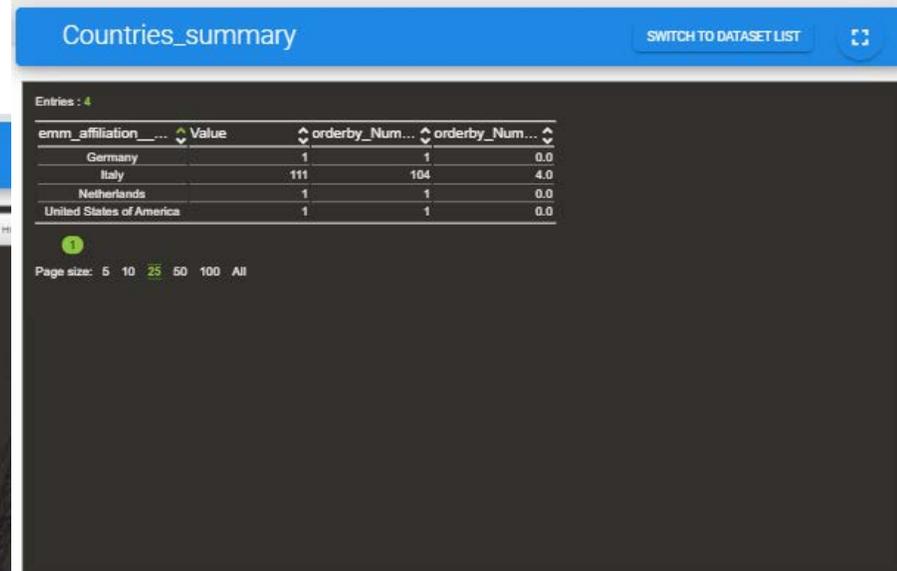
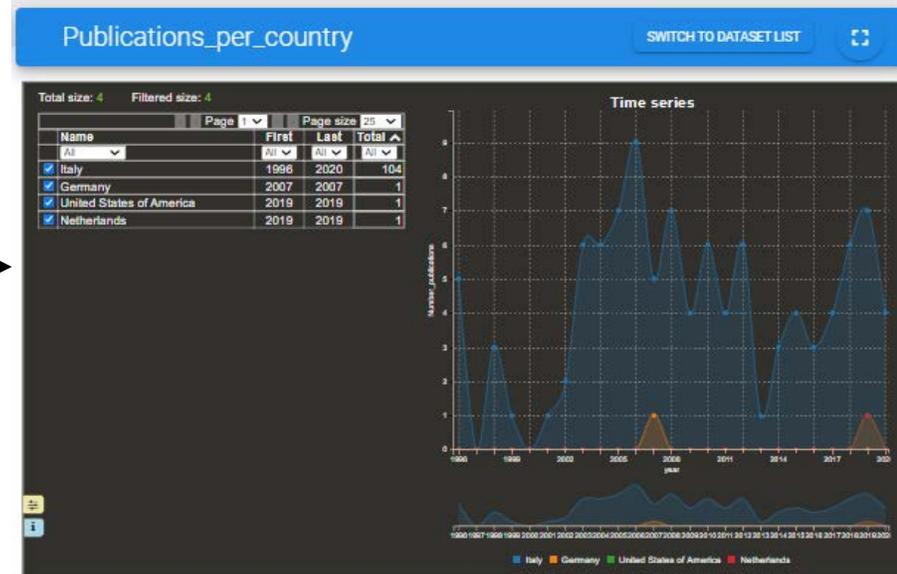
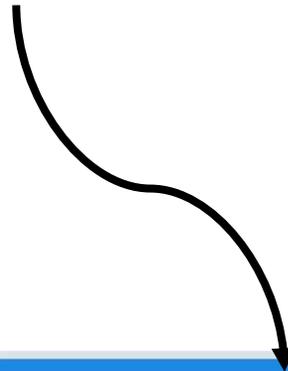
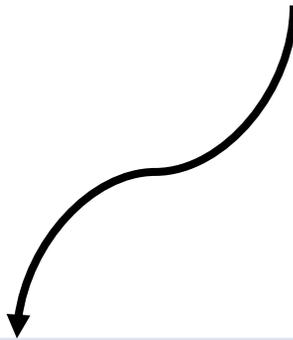
- Italy
- Iraq
- Ireland
- Israel
- Italy
- Japan
- Latvia
- Lebanon



FILTERS 1

SWITCH TO DATASET LIST

All views synchronise with the country selection

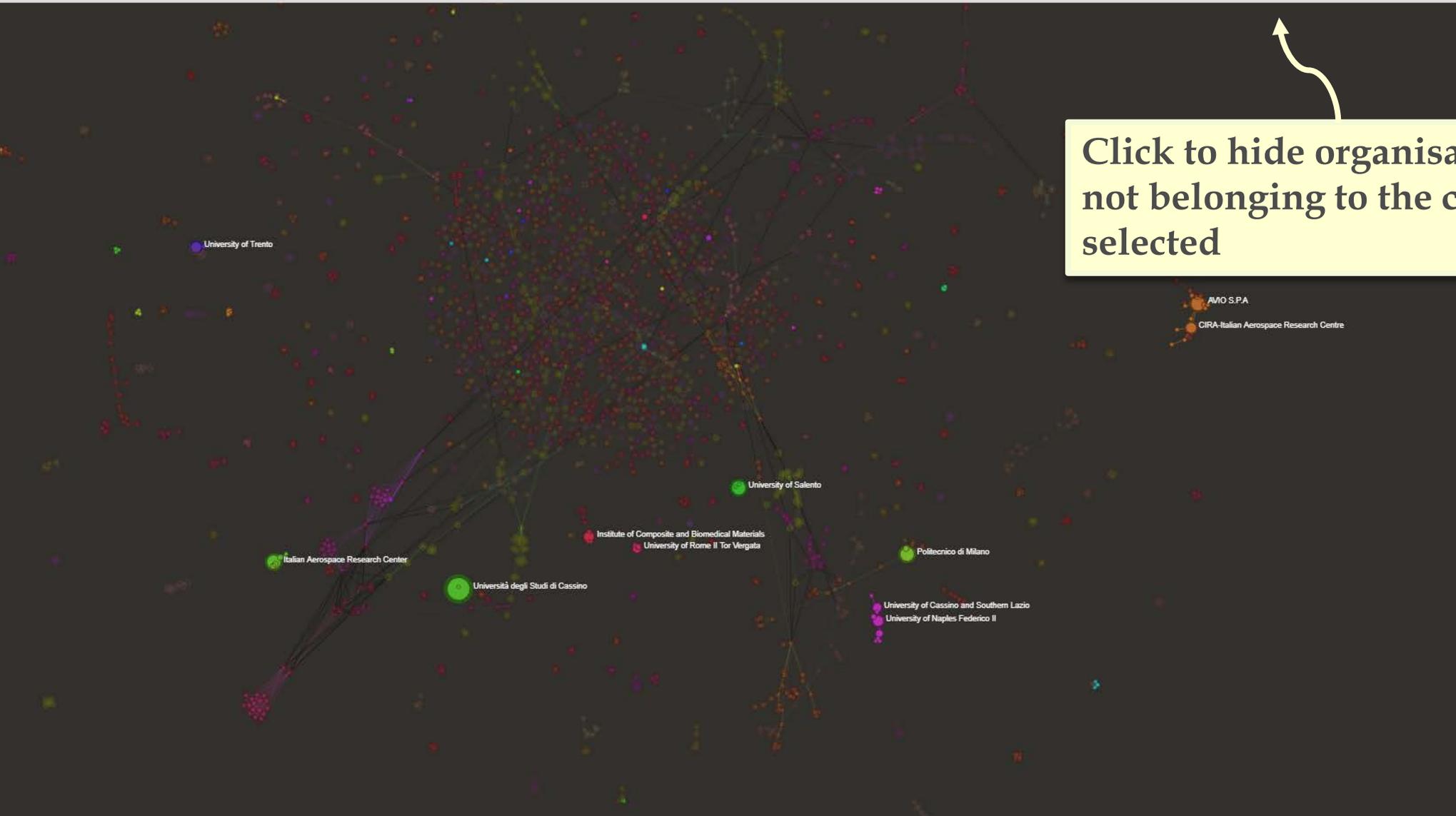




Type to search

INFO VIS NORMAL MODULARITY HOVER OFF HIDE OFF EDGES ON LABELS MAIN

- Nodes: 2315**
- /Technol.
 - 2Phase Technologies, Inc.
 - 3M Center
 - 3M INNOVATIVE PROPERTIES CO
 - 77250
 - A + P Technology
 - A Division of Resin Systems, Inc.
 - A and P Technology, Inc.
 - A&P Technology, Inc.
 - ABAQUS South, Inc.
 - ABB Corporate R&D
 - ACM
 - ACONDICIONAMIENTO TARRARENSE
 - ASSOCIACION
 - ACPT
 - ADAM OREL AG
 - ADC ACQUISITION COMPANY
 - ADGET
 - ADFA
 - ADOPTECH, Inc.
 - ADVANCED CERAMICS RESEARCH INC
 - ADVANCED COMPOSITES INC
 - ADVANCED FIBRE PLACEMENT
 - TECHNOLOGY BV
 - ADVANCED INT MULTITECH CO LTD
 - AEA TECHNOLOGY PLD
 - AEROSPACE CORP
 - AEROSPACE RES INST MATERIALS &
 - PROC TECHNOLOGY
 - AEROSPACE RESEARCH INSTITUTE
 - OF MATERIALS&PROCESSING
 - TECHNOLOGY



Click to hide organisations not belonging to the country selected



Type to search



INFO **ON**

VIS

NORMAL

MODULARITY

HOVER **OFF**

HIDE **ON**

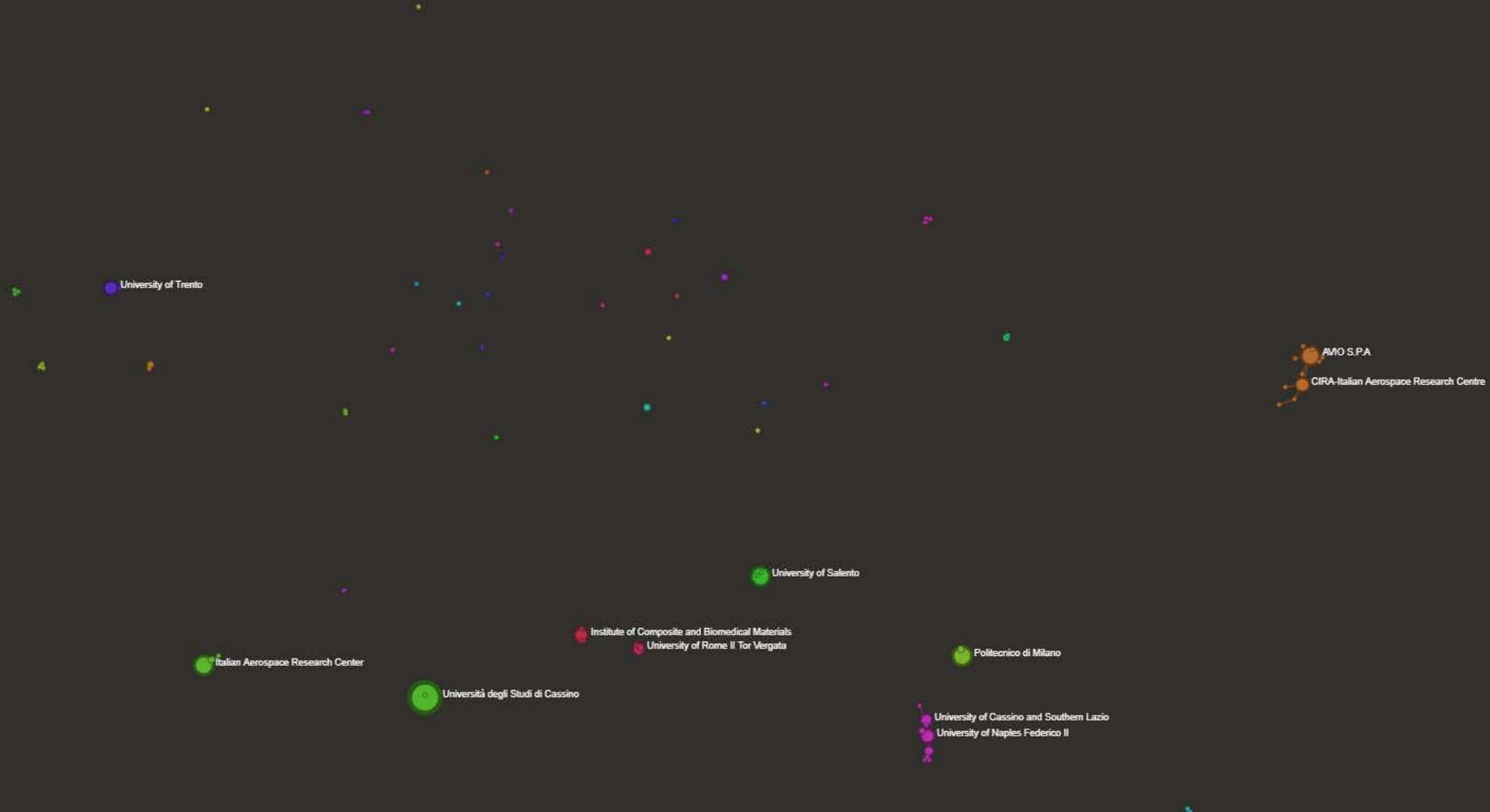
EDGES **ON**

LABELS **MAIN**



Nodes: 88

- ASME
- AVIO S.P.A
- Advanced Technology
- Aerospace Composites Center
- Aerospaziali
- Agusta Westland SpA
- BPD Difesa e Spazio
- CIRA-Italian Aerospace Research Centre
- Cameron Communication
- Cameron Ergon SpA
- Catmos SpA
- Carbon Dream SpA
- Center for Advanced Biomaterials for
- Health Care at CRIB
- Centro Ricerche Danieli
- Cimtec Holding
- Cimtec Lab Srl
- CimtecLab S.r.l.
- Cimteclab Spa
- Cimteclab Spa,SP 362
- Complesso Universitario Monte
- Danieli Officine Meccaniche
- Daw Italia SRL
- ELV
- ENICHEM SPA
- ESA/ESRIN
- ESRIN
- ESRM
- European Industrial Engineering
- European Space Agency
- GHMAS SpA
- INFN



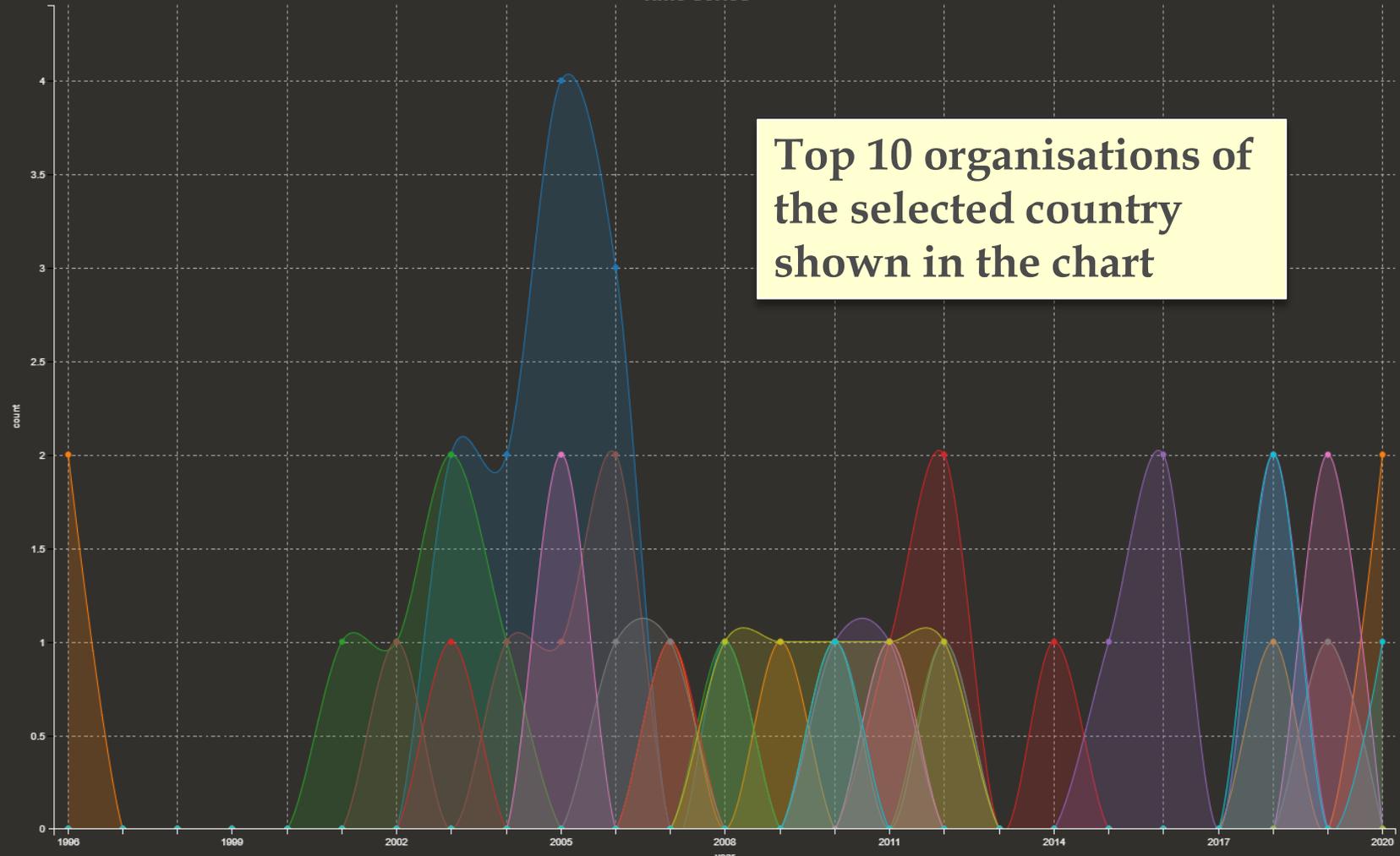
Zoom in to enlarge view



Total size: 88 Filtered size: 88

Name	First	Last	Total
All	All	All	All
<input checked="" type="checkbox"/> Università degli Studi di Cassino	2003	2008	12
<input checked="" type="checkbox"/> Politecnico di Milano	1996	2020	7
<input checked="" type="checkbox"/> Italian Aerospace Research Center	2001	2012	7
<input checked="" type="checkbox"/> AVIO S.P.A	2003	2019	7
<input checked="" type="checkbox"/> University of Salento	2010	2018	7
<input checked="" type="checkbox"/> University of Trento	2002	2006	5
<input checked="" type="checkbox"/> CIRA-Italian Aerospace Researc...	2005	2019	5
<input checked="" type="checkbox"/> University of Naples Federico II	2006	2019	5
<input checked="" type="checkbox"/> Institute of Composite and Biom...	2008	2012	5
<input checked="" type="checkbox"/> University of Rome II Tor Vergata	2010	2020	4
<input type="checkbox"/> University of Cassino and South...	2014	2019	4
<input type="checkbox"/> University Magna Graecia	2006	2008	3
<input type="checkbox"/> University of Rome La Sapienza	1996	1998	2
<input type="checkbox"/> ENICHEM SPA	1996	1996	2
<input type="checkbox"/> Università degli Studi di Cassino	2003	2007	2
<input type="checkbox"/> Institute for Composite and Biom...	2003	2006	2
<input type="checkbox"/> European Industrial Engineering	2006	2008	2
<input type="checkbox"/> ESRIN	2009	2012	2
<input type="checkbox"/> Politecnico di Torino	2009	2014	2
<input type="checkbox"/> University of Cassino	2010	2012	2
<input type="checkbox"/> Largo dell'Università	2018	2018	2
<input type="checkbox"/> University of Brescia	2017	2019	2
<input type="checkbox"/> Aerospaziali	1996	1996	1
<input type="checkbox"/> University La Sapienza	1998	1998	1
<input type="checkbox"/> Laben Proel Technologie Division	1998	1998	1

Time series



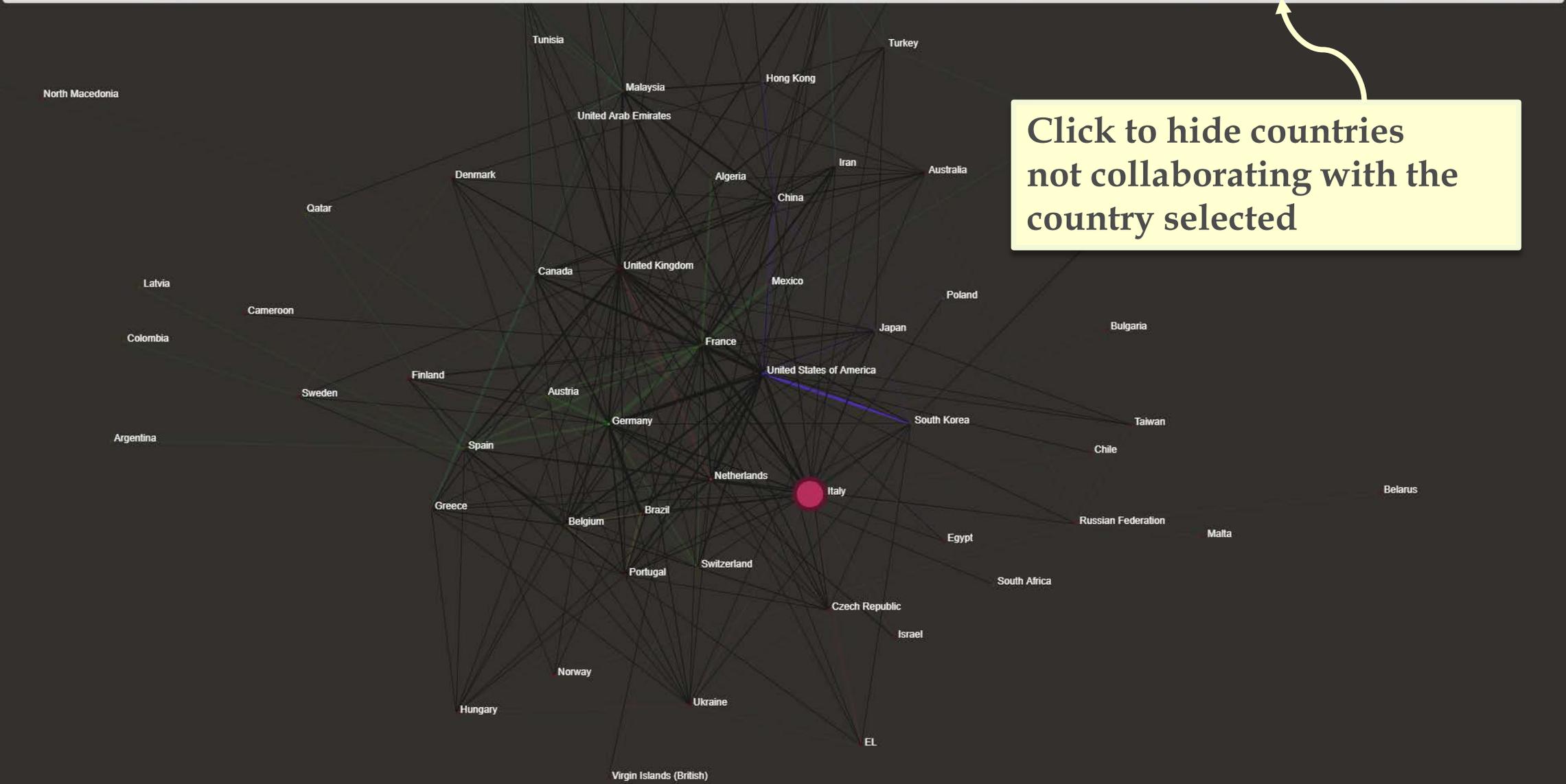
Top 10 organisations of the selected country shown in the chart

- Università degli Studi di Cassino
- Politecnico di Milano
- Italian Aerospace Research Center
- AVIO S.P.A
- University of Salento
- University of Trento
- CIRA-Italian Aerospace Research Centre
- University of Naples Federico II
- Institute of Composite and Biomedical Materials
- University of Rome II Tor Vergata





Type to search INFO OFF VIS NORMAL MODULARITY HOVER OFF HIDE OFF EDGES ON LABELS ALL



Click to hide countries not collaborating with the country selected

1996 2020

Additional features

- Dataset list
- Board selection
- Automatic keywords
- Network graphs: Toolbar options
- Network graphs: Organisations per type
- Journal categories
- Authors top 500

Select number, order and type of tiles

Cat. 1 - SPECIAL MATERIALS AND RELATED EQUIPMENT (P)

Dataset

Boron

FILTERS

ORDER

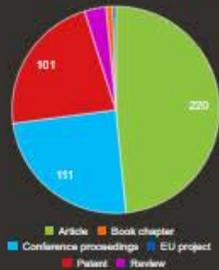
Dataset Info

SWITCH TO DATASET LIST

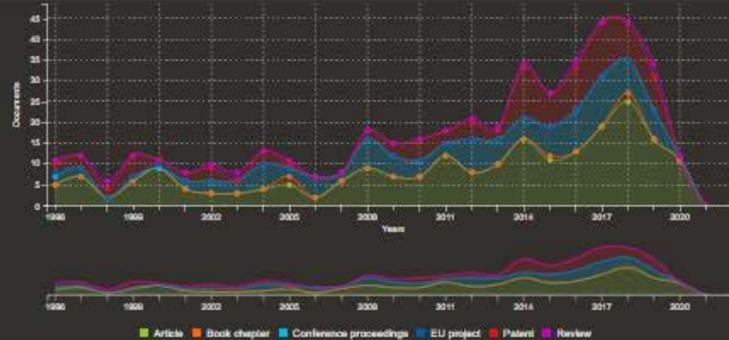
Dataset Definition

Dataset name Boron
Dataset definition topic:(boron AND ("neutron absorption"-2 OR "nuclear reactor"-1 OR "water reactor"-2 OR "control rods"))
Dataset definition type soln|search
Storage model normal
Definition creation 30-11-2020 02:48:47
Definition modification 04-1-2021 12:18:18
Number of documents 454

Document Type Distribution



Document type - Yearly distribution



Documents_(5000)

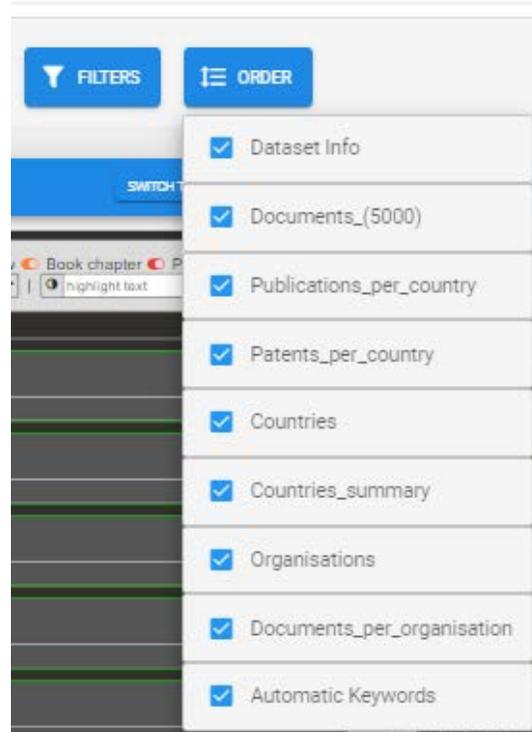
SWITCH TO DATASET LIST

Number of documents = 454

Article Conference proceedings Review Book chapter Patent EU project
Year, Type | 1996 + 2020 + highlight text

Boron neutron capture therapy (bnct) for high-grade gliomas of the brain: a cautionary note	Entry type: Article	Entry ID: S_2-k2.0-002861117	Year: 1998
Anticipated transient without scram analysis of the simplified boiling water reactor following main steam isolation valve closure with boron injection	Entry type: Article	Entry ID: S_2-k2.0-0030198044	Year: 1998
Characteristics of using a jet-pump for a boron injection system in nuclear heating reactors	Entry type: Article	Entry ID: S_2-k2.0-0030250624	Year: 1998
Application of boron isotopes and neutron irradiation for fabrication of p-n junctions in diamond films	Entry type: Article	Entry ID: S_2-k2.0-0040798293	Year: 1998
The epithermal neutron irradiation station for boron neutron capture therapy (bnct) at the fir 1 in olatiem	Entry type: Article	Entry ID: S_2-k2.0-0046289682	Year: 1998
Simulation of pwr plant by a new version of traq-pf1 code including a three-dimensional neutronic model and a transport boron model	Entry type: Conference	Entry ID: S_2-k2.0-0000399482	Year: 1998
Neutron radiography experiments for verification of soluble boron mixing and transport modeling under natural circulation conditions			

Select and drag
tiles' names to
view, remove,
reorder



On each tile, click to SWITCH TO DATASET LIST view all datasets together

Cat. 1 - SPECIAL MATERIALS AND RELATED EQUIPMENT (P)

Dataset
Boron

FILTERS ORDER

Dataset Info

SWITCH TO DATASET LIST

Dataset Definition

Dataset name: Boron
Dataset definition: topic:(boron AND ("neutron absorption"-2 OR "nuclear reactor"-1 OR "water reactor"-2 OR "control rods"))
Dataset definition type: soln|search
Storage model: normal
Definition creation: 20-11-2020 02:48:47
Definition modification: 04-1-2021 12:18:18
Number of documents: 454

Document Type Distribution

Sort: [1] [2] [3] Y Max: 0 Stacked values Cumulated values Smooth lines

Document type - Yearly distribution

Document Type	Count
Article	220
Book chapter	101
Conference proceedings	111
EU project	
Patent	
Review	

Documents_(5000)

SWITCH TO DATASET LIST

Number of documents = 454

Article Conference proceedings Review Book chapter Patent EU project

Year, Type | 1996 + 2020 + highlight text

- Boron neutron capture therapy (bnct) for high-grade gliomas of the brain: a cautionary note
Entry type: Article Entry ID: S_2-e2.0-002861117 Year: 1998
- Anticipated transient without scram analysis of the simplified boiling water reactor following main steam isolation valve closure with boron injection
Entry type: Article Entry ID: S_2-e2.0-0030198044 Year: 1998
- Characteristics of using a jet-pump for a boron injection system in nuclear heating reactors
Entry type: Article Entry ID: S_2-e2.0-0030250624 Year: 1998
- Application of boron isotopes and neutron irradiation for fabrication of p-n junctions in diamond films
Entry type: Article Entry ID: S_2-e2.0-0040798293 Year: 1998
- The epithermal neutron irradiation station for boron neutron capture therapy (bnct) at the first in oltami
Entry type: Article Entry ID: S_2-e2.0-0046289682 Year: 1998
- Simulation of pwr plant by a new version of traq-pf1 code including a three-dimensional neutronic model and a transport boron model
Entry type: Conference Entry ID: S_2-e2.0-0000399482 Year: 1998
- Neutron radiography experiments for verification of soluble boron mixing and transport modeling under natural circulation conditions

Total size: 48

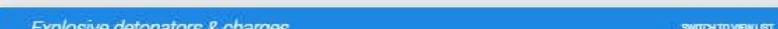
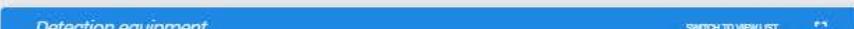
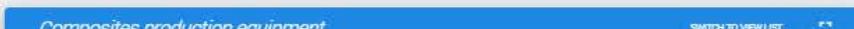
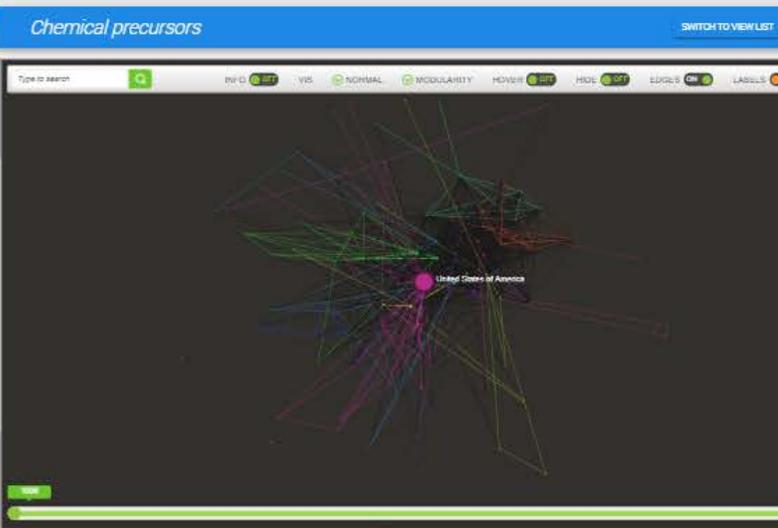
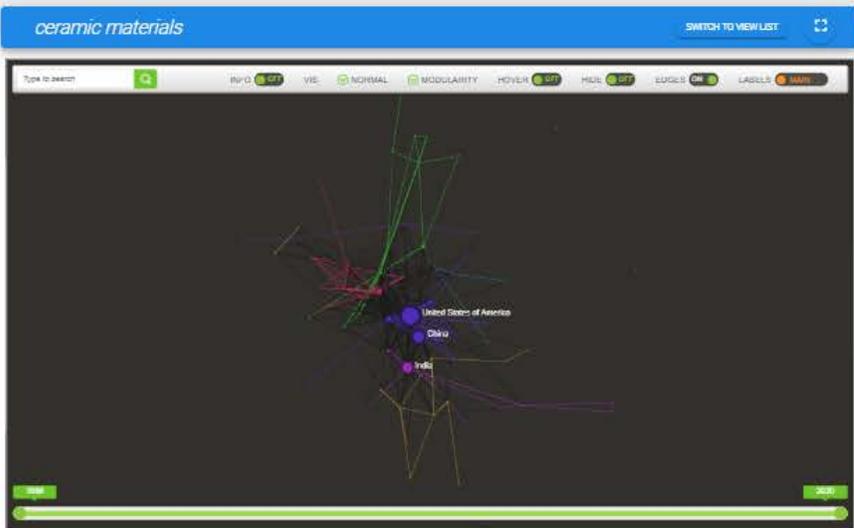
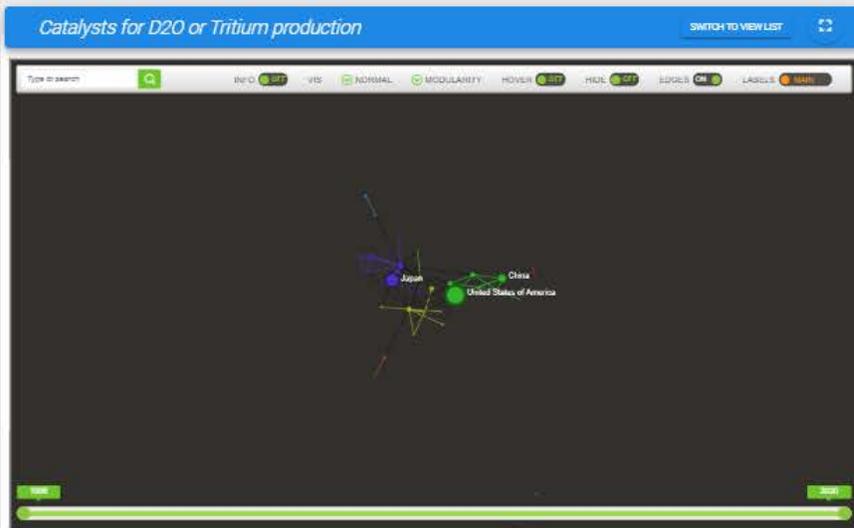
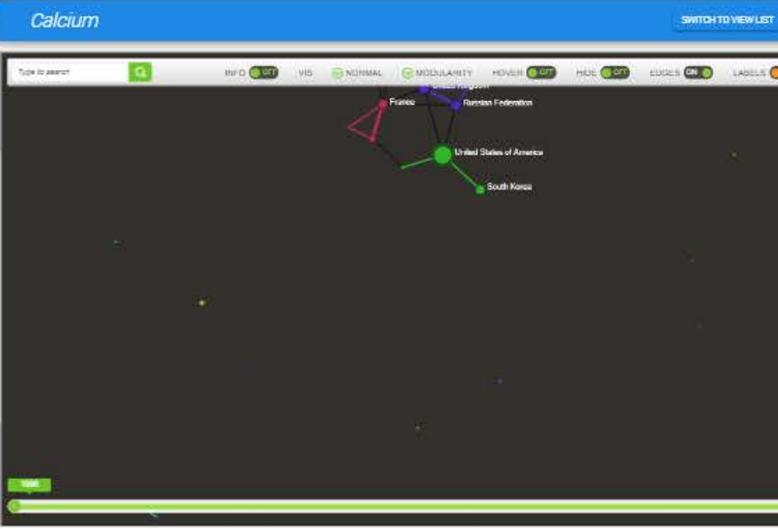
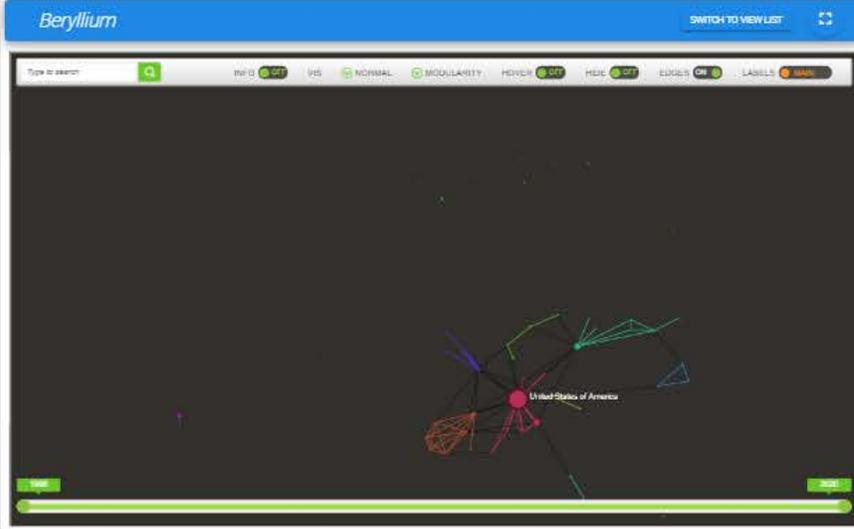
Name

- All
- United St
- China
- Japan
- South Ko
- France
- India
- Germany
- Italy
- Turkey
- Russian F
- Argentina
- Spain
- Canada
- Brazil
- Poland
- Malaysia
- Switzerla
- Sweden
- Finland
- Taiwan
- Austria
- Israel
- Czech Re

Cat. 1 - SPECIAL MATERIALS AND RELATED EQUIPMENT (P)

View: Countries [FILTERS] [ORDER]

[Menu] [Grid] [Table] icons





Entries : 1000

emm_autoKeywords	Value
filament winding (FW)	2492
inventiveness	751
carbon fiber (CF)	496
winds	401
filaments	386
pre preg	365
mandrel	343
fiber	315
laminates	308
impregnation	281
a fibers	272
composite material (CM)	271
molding	269
taping	231
resin	227
manufacturing process	219
wind angle	219
tape laying	210
pipng	205
liner	202
pressure vessel (PV)	195
roller	188
apparatus	187
glass fiber (GF)	186
thereof	182

1 2 3 4 5 ... >

Page size: 5 10 25 50 100 All

Automatic Keywords

SWITCH TO DATASET LIST



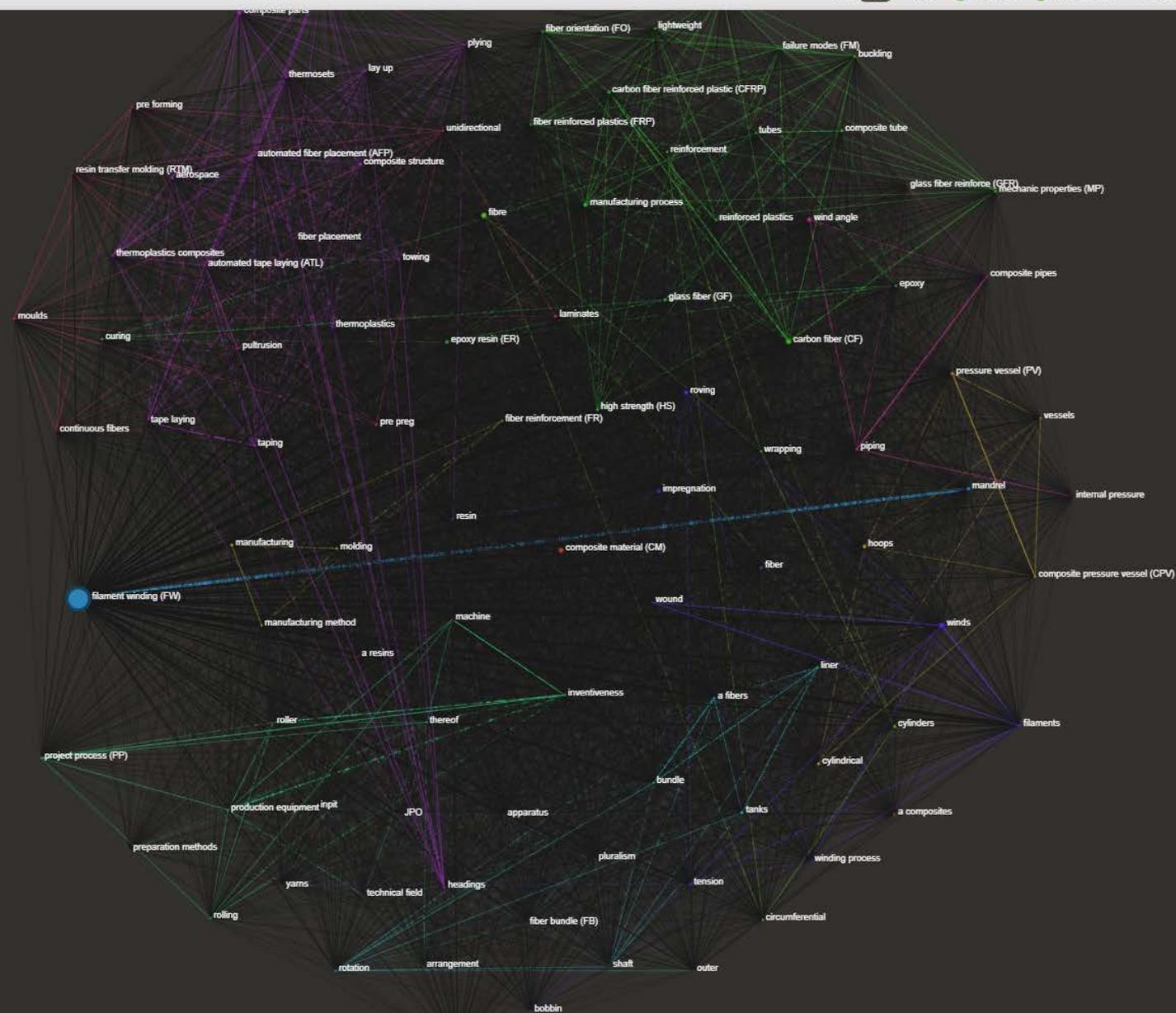
Type to search



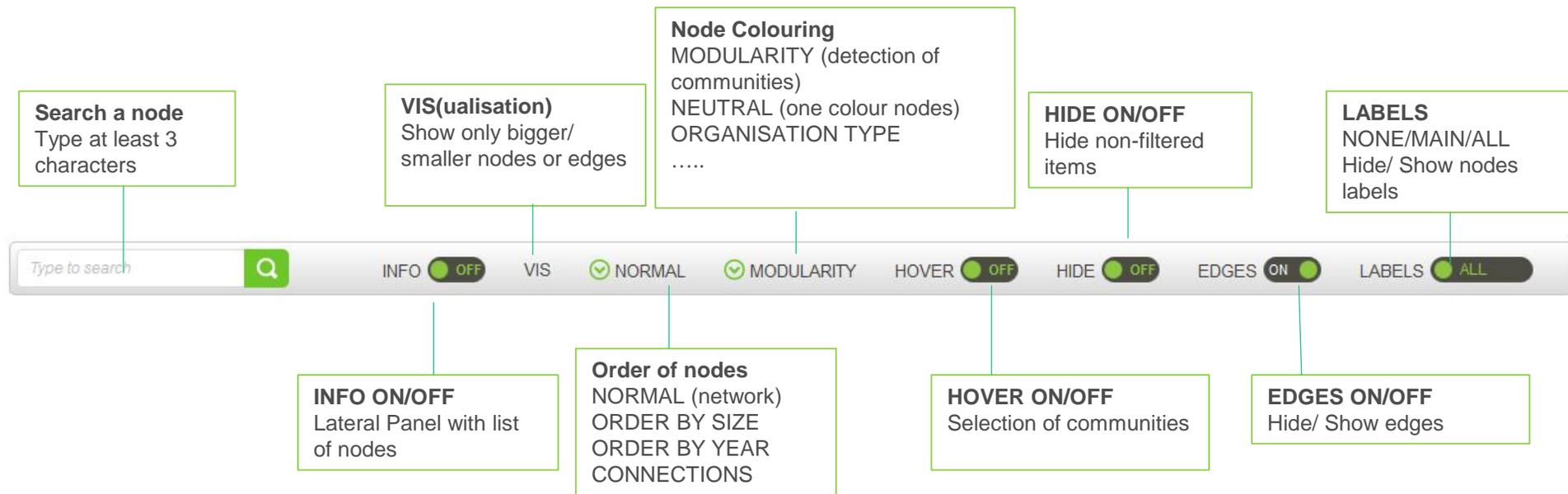
INFO ON VIS NORMAL MODULARITY HOVER OFF HIDE OFF EDGES ON LABELS ALL

Nodes: 100

- JPO
- a composites
- s fibers
- a resins
- aerospace
- apparatus
- arrangement
- automated fiber placement (AFP)
- automated tape laying (ATL)
- bobbin
- buckling
- bundle
- carbon fiber (CF)
- carbon fiber reinforced plastic (CFRP)
- circumferential
- composite material (CM)
- composite parts
- composite pipes
- composite pressure vessel (CPV)
- composite structure
- composite tube
- continuous fibers
- curing
- cylinders
- cylindrical
- epoxy
- epoxy resin (ER)
- failure modes (FM)
- fiber
- fiber bundle (FB)
- fiber orientation (FO)
- fiber placement

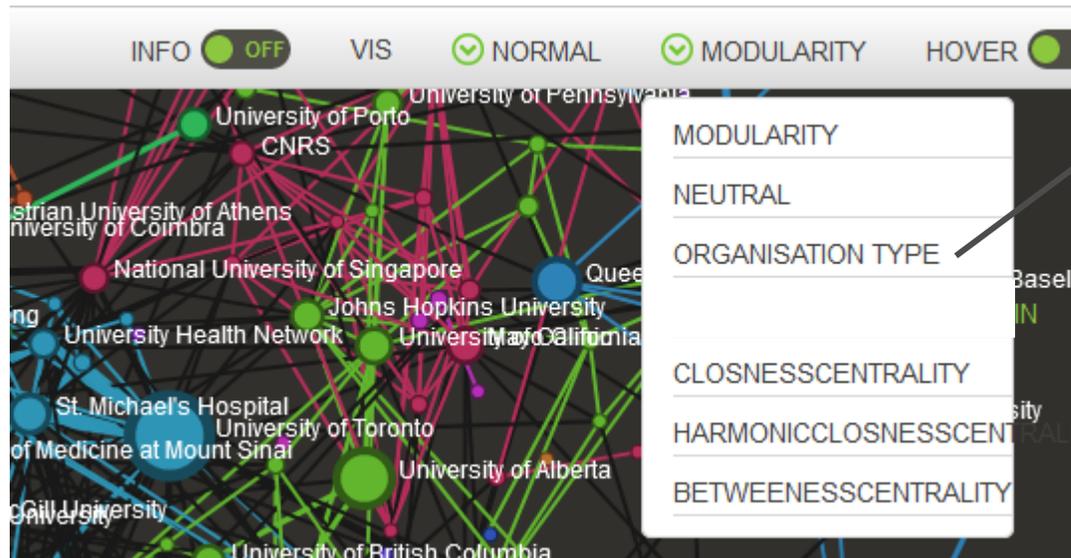


Network graphs - Toolbar options



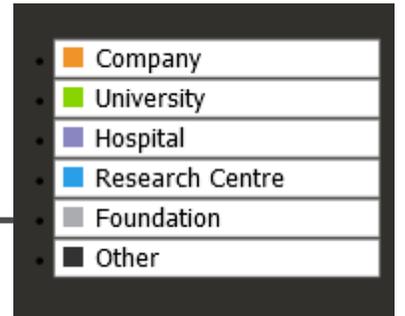
Network graphs: Organisations per type

Network graph with all the organisations and their collaboration networks



To see the type of Organisation

1. Click on "Modularity"
2. Select "Organisation type"
3. View the types of organisation (assigned by TIM through text mining) by colour coding



Journals categories

Type to search



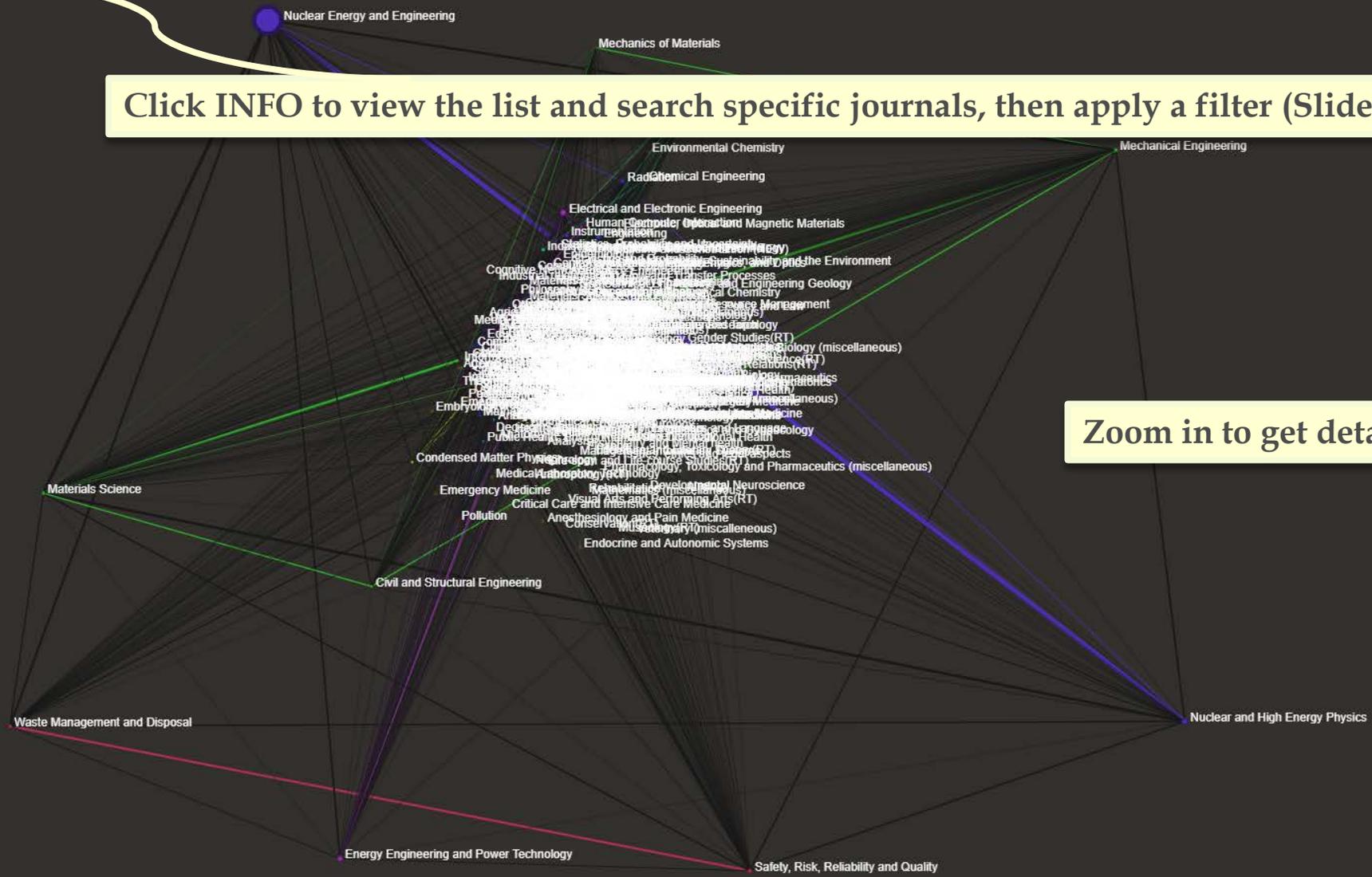
INFO ON VIS NORMAL MODULARITY HOVER OFF HIDE OFF EDGES ON LABELS ALL

Nodes: 281

- Accounting
- Acoustics and Ultrasonics
- Advanced and Specialised Nursing
- Aerospace Engineering
- Ageing
- Agricultural and Biological Sciences
- Agricultural and Biological Sciences (miscellaneous)
- Agroonomy and Crop Science
- Analysis
- Analytical Chemistry
- Anatomy
- Anesthesiology and Pain Medicine
- Animal Science and Zoology
- Anthropology(RT)
- Applied Mathematics
- Applied Microbiology and Biotechnology
- Applied Psychology
- Aquatic Science
- Archaeology
- Archaeology(RT)
- Architecture (NEW)
- Artificial Intelligence
- Arts and Humanities
- Arts and Humanities (miscellaneous)
- Astronomy and Astrophysics
- Atmospheric Science
- Atomic and Molecular Physics, and Optics
- Automotive Engineering
- Biochemistry
- Biochemistry, Genetics and Molecular

Click INFO to view the list and search specific journals, then apply a filter (Slide 4)

Zoom in to get details



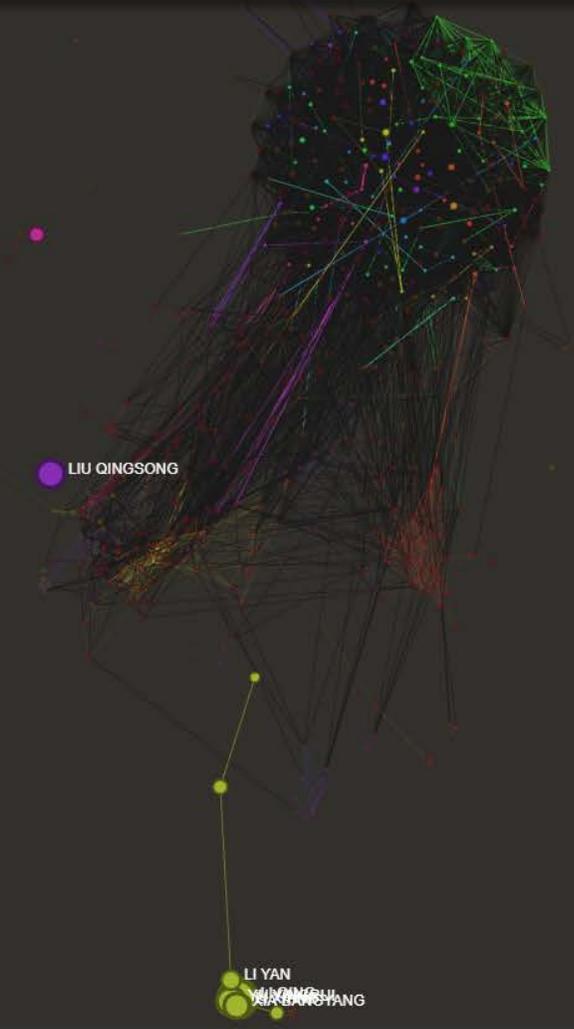
Authors top 500

Type to search

INFO ON VIS NORMAL MODULARITY HOVER OFF HIDE OFF EDGES ON LABELS MAIN

-  Nodes: 500
- ARITA SETSUO
 - Abe Y.
 - Adam J.
 - Akiba M.
 - Akimoto H.
 - Aldemir T.
 - Allen T.R.
 - Andresen P.L.
 - Andrighetto A.
 - Anon
 - Arai T.
 - Aritomi M.
 - Asakura Y.
 - Avramova M.
 - BATUEV V I
 - Banerjee S.
 - Bang I.C.
 - Baraldi P.
 - Bekris N.
 - Bo H.
 - Bromley B.P.
 - Brown N.R.
 - Bruemmer S.M.
 - Buongiorno J.
 - Bums P.C.
 - CHAPAEV I G
 - Cai J.
 - Cai X.
 - Cammi A.
 - Cao L.
 - Cao X.

Click INFO to view the list and search specific authors, then apply a filter (Slide 4)



Zoom in to get details