

Brazilian Scientific Research Information Ecosystem - BrCris



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Presentation script

- Ibict – Brazilian Institute of Information in Science and Technology
- Open science
- BrCris
 - Timeline
 - BrCris Ecosystem
 - Flow
 - Interface
 - Data sources
 - Dashboards
- Conclusion

Brazilian Institute of Information in Science and Technology- IBICT

- Research institute linked to the MCTI
- Created in 1954
- Mission: To promote competence, resource development and information infrastructure in science and technology for the production, socialization and integration of scientific and technological knowledge.



Brazilian Institute of Information in Science and Technology- IBICT



The house of information.

Brazilian Institute of Information in Science and Technology- IBICT

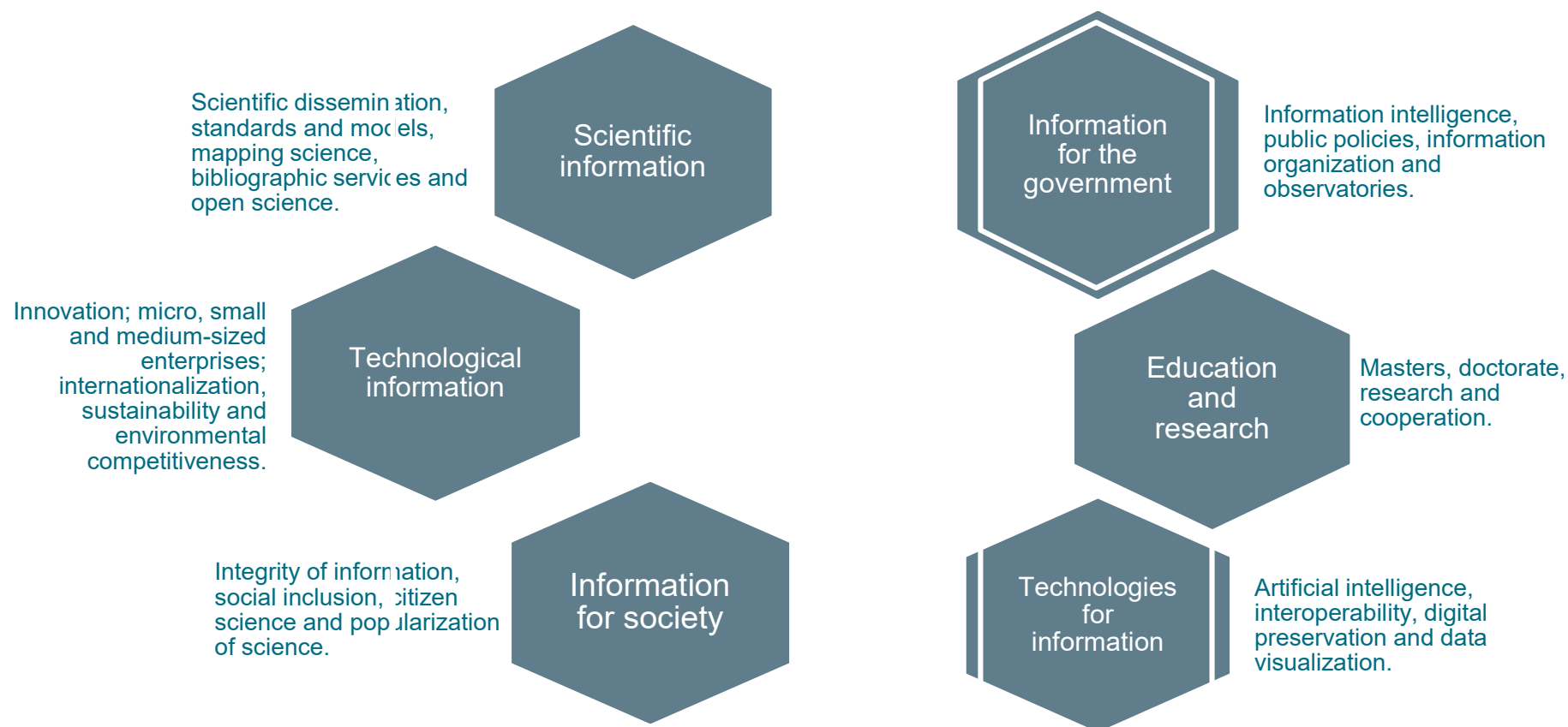


The house of (open) information.



Brazilian Institute of Information in Science and Technology- IBICT

An overview

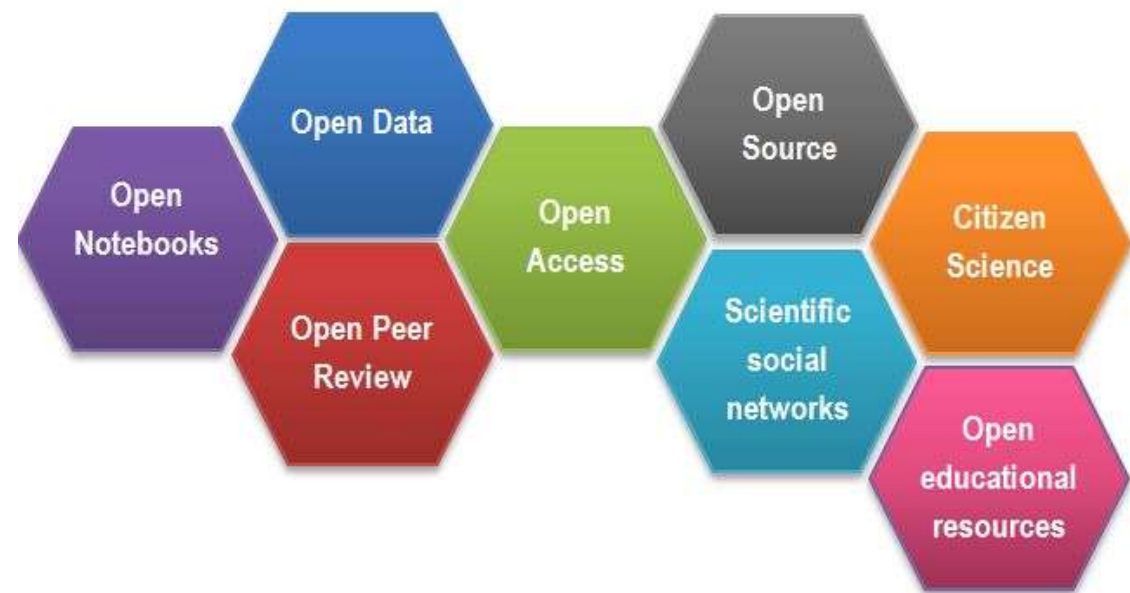




- What is BrCris?
- Where did it come from?
- What is its purpose?



The adoption of Open Science practices promotes a culture of **transparency, collaboration and innovation** in scientific research, contributing to the advancement of knowledge and to the benefit of society as a whole.



Open Science

Challenges and barriers of open science

- Cultural and institutional resistance
- Financing and sustainability
- Intellectual property and ethics issues

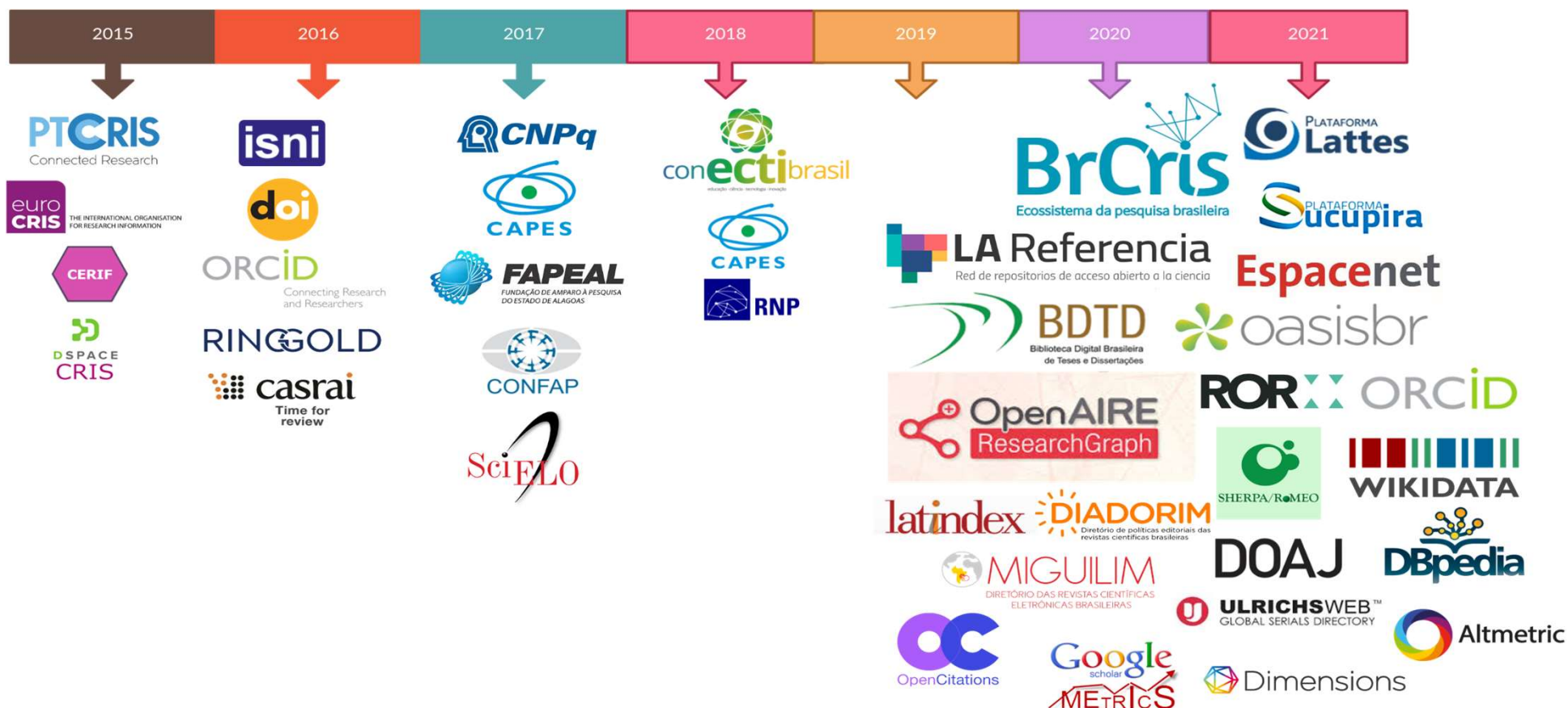


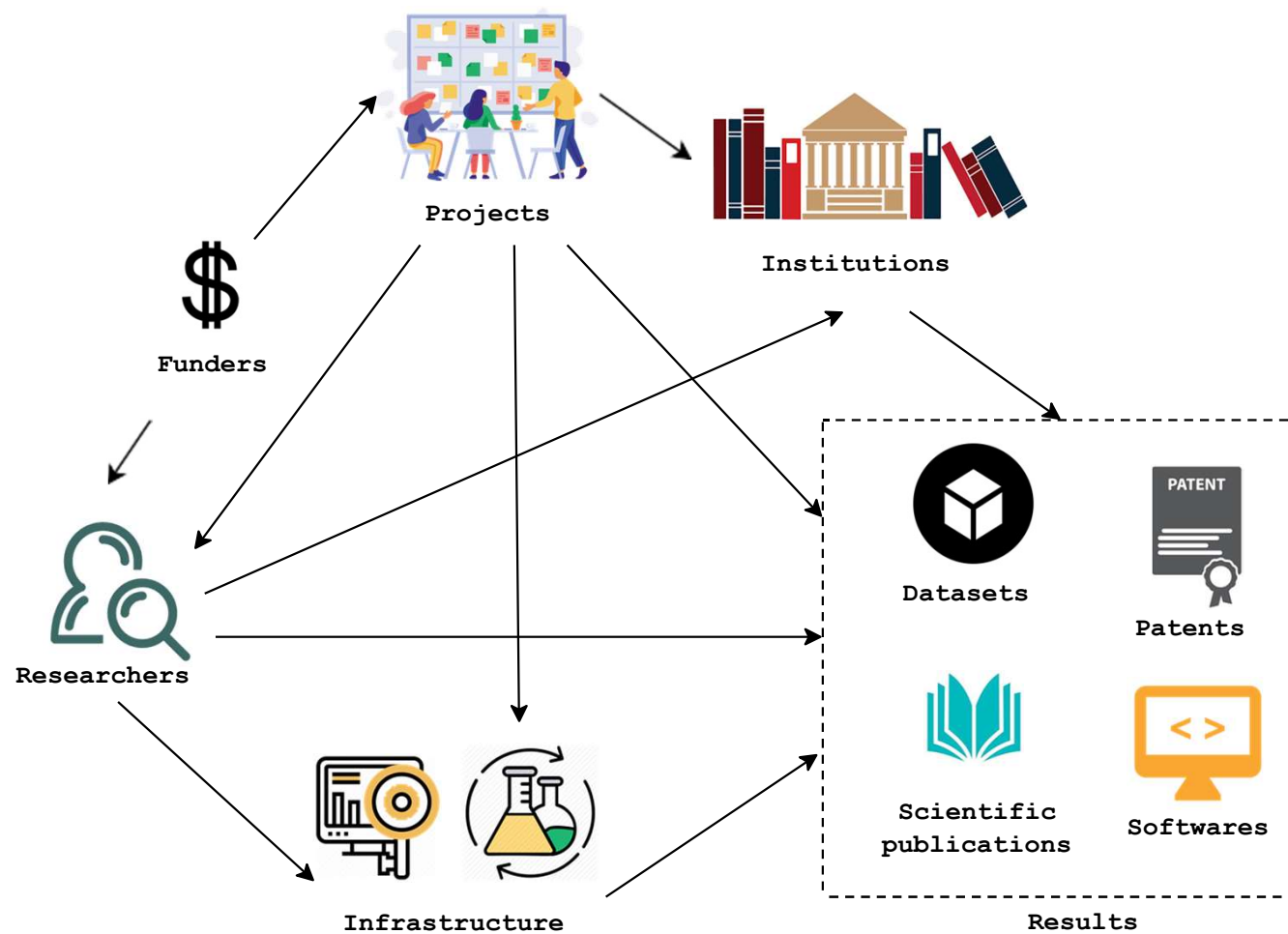
BrCris – Brazilian Scientific Research Information Ecosystem

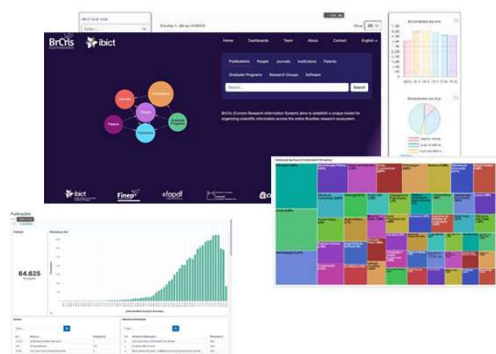
The aim of BrCris is to collect, integrate and make available information on the universe of scientific research in Brazil.



TIMELINE- BRCRIS







Espacenet

ORCID ROR

ISSN DOAJ latindex

WIKIDATA



OpenAlex

[Publications](#)[People](#)[Journals](#)[Institutions](#)[Patents](#)[Graduate Programs](#)[Research Groups](#)[Software](#)[Search](#)

The Brazilian Scientific Research Information Ecosystem, BrCris, is an aggregator platform that allows retrieving, certifying and visualizing data and information related to the various actors who work in scientific research in the Brazilian context.

DATA SOURCES

Journals

- Diadorim
- Latindex
- DOAJ
- ISSN Portal
- Wikidata
- Open Citations
- CrossRef
- Open Alex
- OpenAIRE
- SherpaRomeu
- Google Scholar Metrics
- ...

Institutions

- ROR
- SherpaRomeu
- ISSN Portal
- Wikidata
- ...

Researchers

- Lattes platform
- Orcid
- Google Profile
- ...



DATA SOURCES



Publishing

- Oasisbr
- BDTD
- Lattes platform
- Open Data Platform of Capes
- OpenAIRE
- ...

Projects

- Lattes platform
- Carlos Chagas Platform
- Open Data Platform of Capes
- ...

Patents

- Espacenet
- Inpi
- Lattes Platform
- Open Data Platform of Capes
- ...

Data sets

- Oasisbr
- Lattes Platform
- OpenAIRE
- ...

Publications



Articles or documents published in scientific vehicles (Journals or Events)

Theses and Dissertations



Academic monographs defended in Brazil at the master's or doctoral levels

People



People dedicated to the scientific research activity and who participated in at least one scientific production

Journals



Scientific journals used for the publication of articles

Patents



Legal rights granted to people who own intellectual properties

Research Groups



Teams made up of researchers and students

Softwares



Set of computer programs registered by the researchers

Institutions



Institutions

Graduate Programs



Graduate Programs

People dashboard

☰ + Add filter

Pesquisadores

1.365.014

Pessoas

Áreas de Conhecimento

72.288

Educação - Pessoas

21.937

Administração - Pessoas

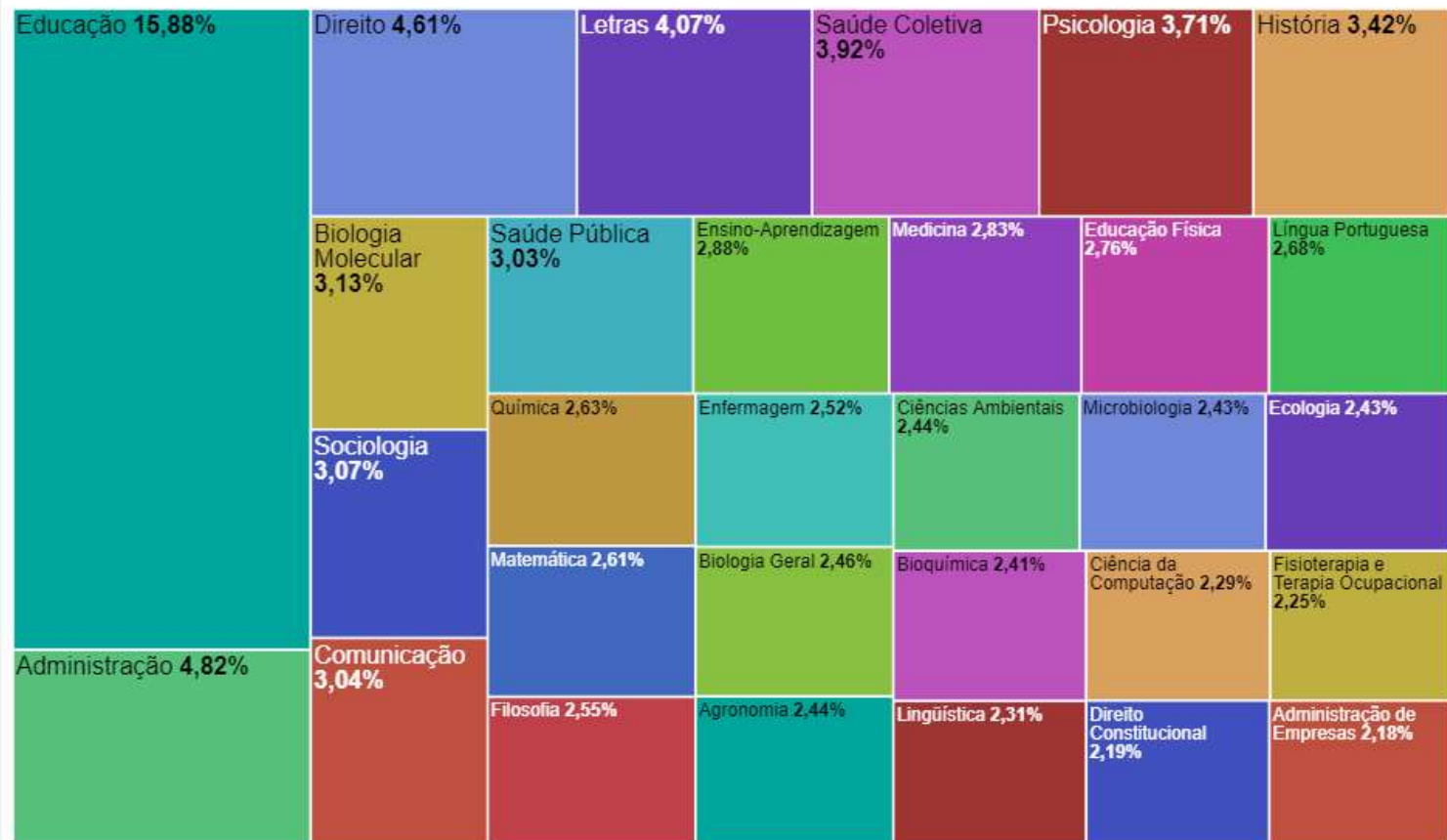
20.972

Direito - Pessoas

18.514

Letras - Pessoas

Distribuição das Áreas de Conhecimento (30 maiores)



People dashboard

Washington Luís Ribeiro de Carvalho Segundo

He holds a Doctor and Master's degree in Informatics from the University of Brasília, with a Sandwich Doctoral Internship at King's College London. He holds a degree in Mathematics (Bachelor and Licentiate) also from the University of Brasília. He is Technical Coordinator of the Area of Treatment, Analysis and Dissemination of Scientific Information at the Brazilian Institute of Information in Science and Technology (Ibict / MCTI). He is a member and coordinates projects, committees in th (... [more](#)) É Doutor e Mestre em Informática pela Universidade de Brasília, com Estágio de Doutorado Sanduíche no King's College London. Possui graduação em Matemática (Bacharelado e Licenciatura) também pela Universidade de Brasília. É Coordenador Técnico da Área de Tratamento, Análise e Disseminação da Informação Científica no Instituto Brasileiro de Informação em Ciência e Tecnologia (Ibict / MCTI). É membro e coordena projetos, comitês nas áreas de Ciência Aberta e Ciência de Dados. É líder do G (... [more](#))

Research Areas

Análise de Dados | Ciência da Computação | Ciência da Informação | Sistemas de Informação | Teoria da Computação |

Publications in VIVO

12 in the last 10 full

years

 [Publications Full Stats](#)

 [Co-author Network](#)

 [Production Areas](#)

 [Production Tag Cloud](#)

[Overview](#) [Affiliation](#) [Publications](#) [Identity](#) [View All](#)

Overview

member of

https://brcris.ibict.br/individual/comm_ee459614-d3fc-461b-b7eb-f628e356a377

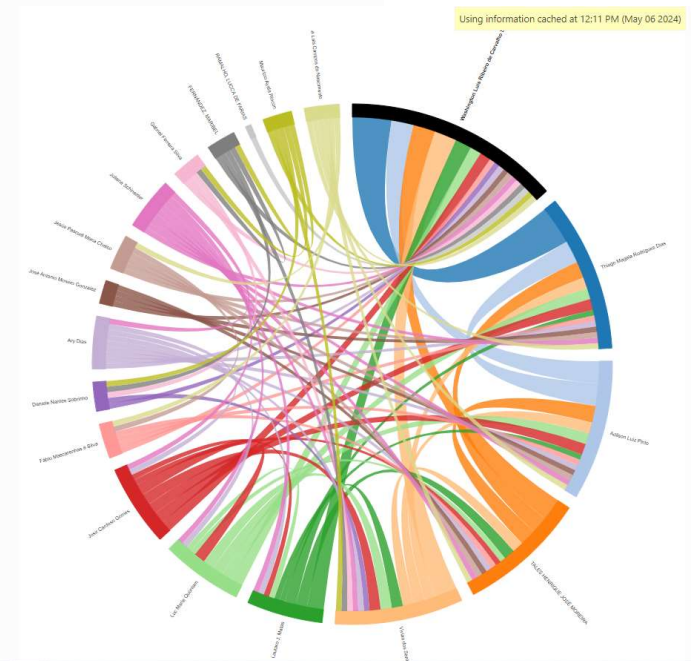
Ciência Aberta e Acesso Aberto à Informação Científica Research Group

Gestão do conhecimento em Ciências Nucleares Research Group

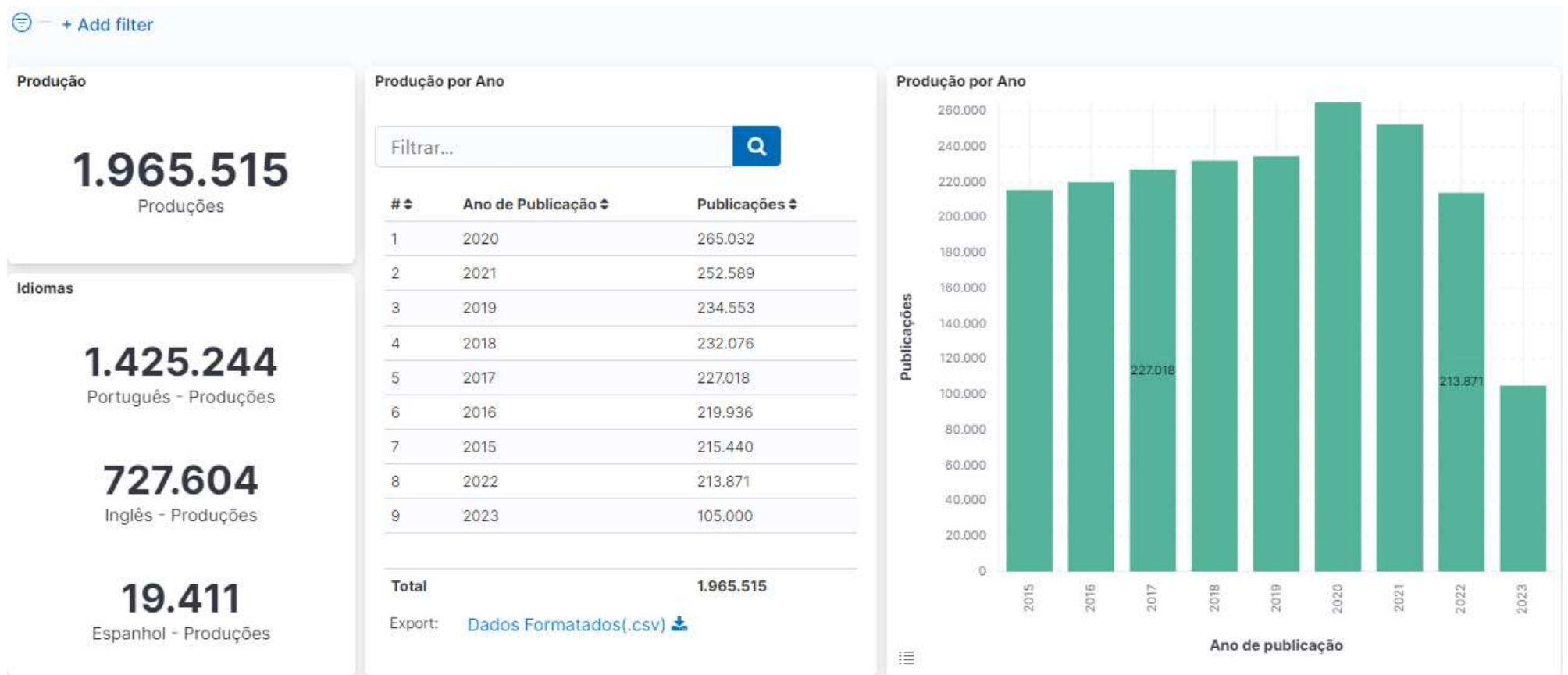
Teoria da Computação Research Group

Affiliation

member of



Publications dashboard



Theses and Dissertations dashboard

☰ + Add filter

Produção

3.227.467

Teses e Dissertações

Publicações por Instituição

161.025

USP (ESCOLA SUPERIOR DE AGRICULTURA
LUIZ DE QUEIROZ) - Produções

68.941

UNIVERSIDADE ESTADUAL DE CAMPINAS (
PIRACICABA) - Produções

64.693

Universidade Federal de Rio Grande Do Sul -
Produções

Produção por ano

Filtrar...

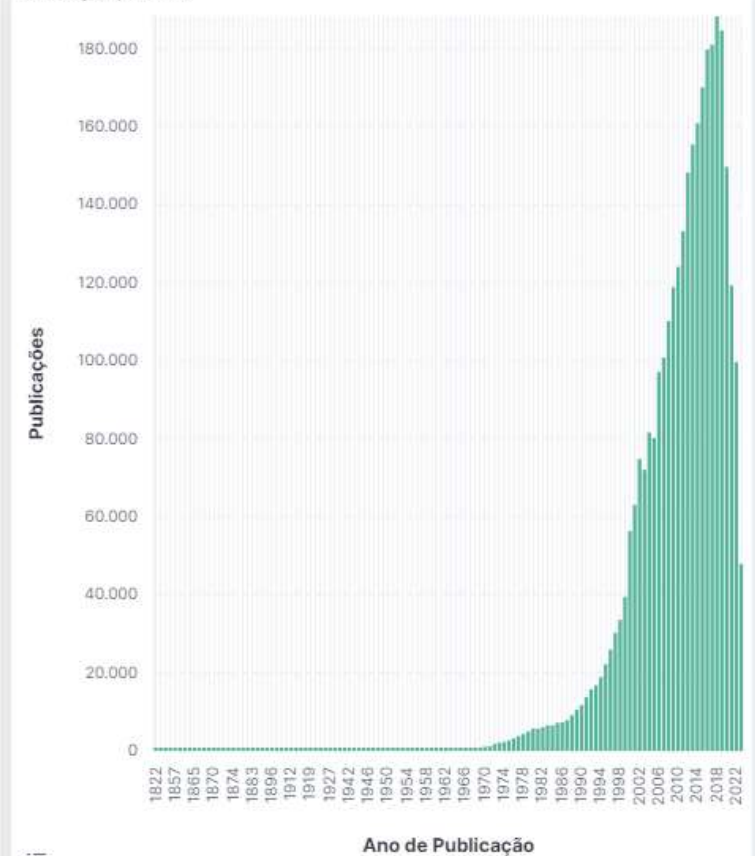


#	Publicações	Teses e Dissertações
1	2023	47.908
2	2022	99.617
3	2021	119.258
4	2020	149.671
5	2019	184.641
6	2018	188.357
7	2017	180.983
8	2016	179.778
9	2015	170.056
10	2014	160.905
Total		3.227.467

Export: [Dados Formatados\(.csv\)](#)

[1](#) [2](#) [3](#) [4](#) [5](#) ... [13](#) »

Produção por Ano



Journals dashboard

Quantidade

152.391

Periódicos

Classificação do Qualis

Filtrar...



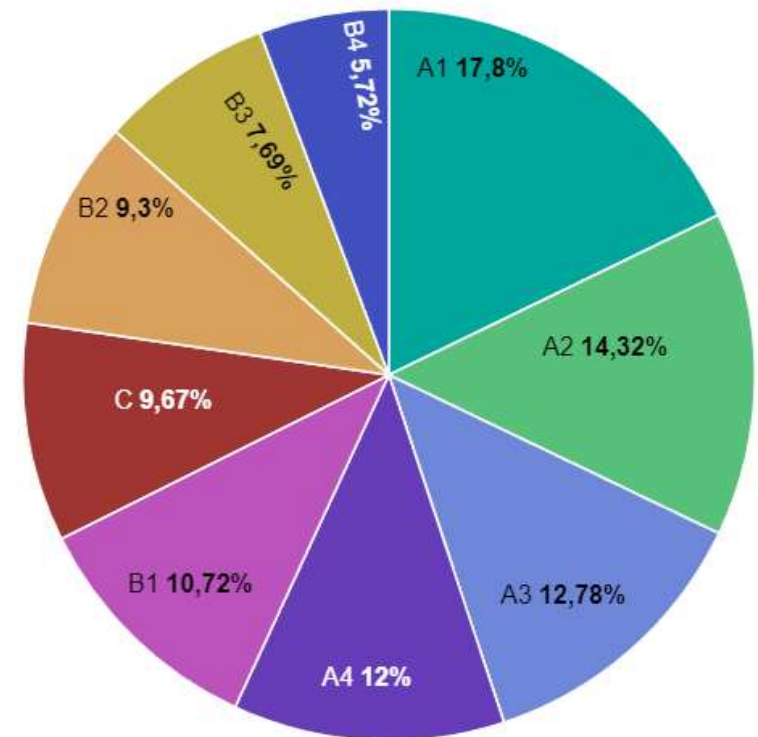
#	Classificação do Qualis	Periódicos
---	-------------------------	------------

1	A1	3.780
2	A2	3.041
3	A3	2.713
4	A4	2.547
5	B1	2.276
6	C	2.053
7	B2	1.975
8	B3	1.632
9	B4	1.215

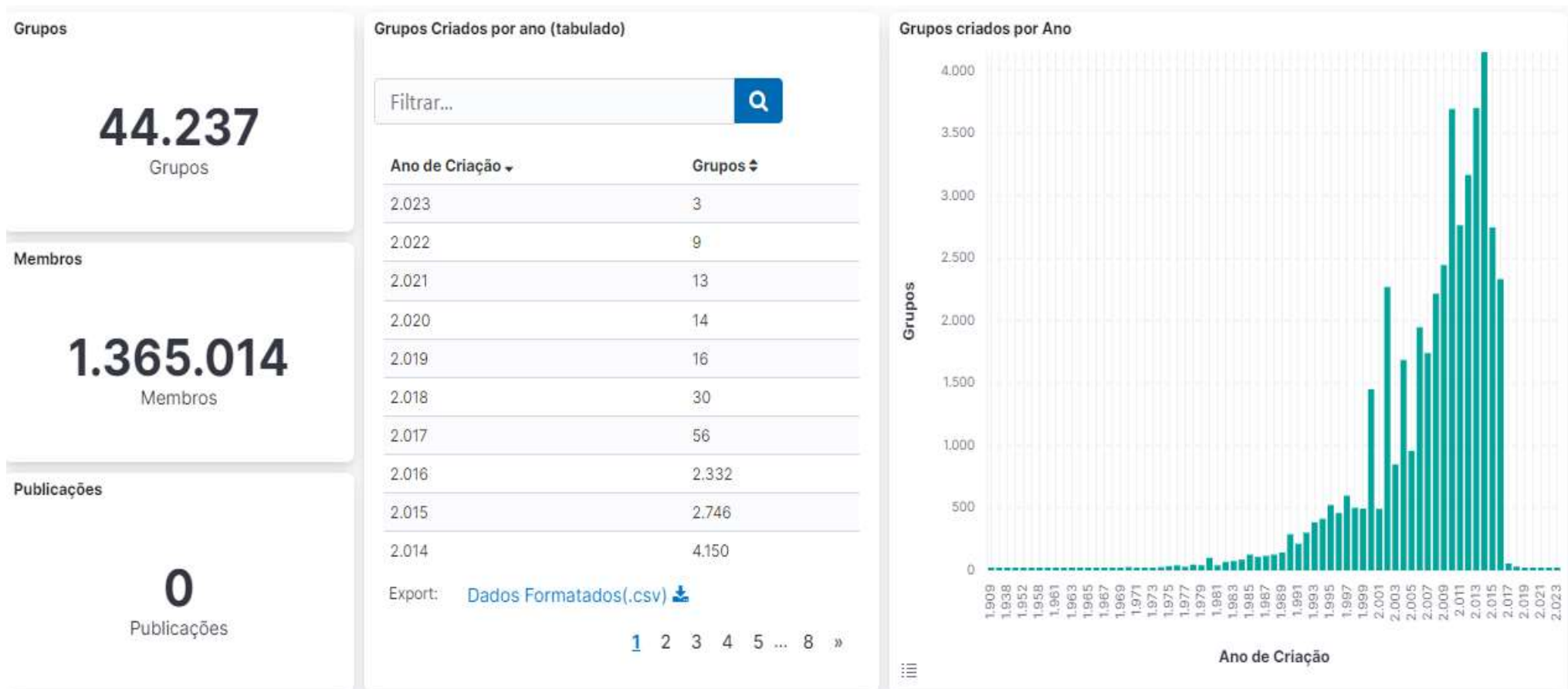
Total 21.232

Export: [Dados Formatados\(.csv\)](#)

Qualis



Research groups dashboard



Softwares dashboard

Registros de Softwares

12.225

Registros de Software

Principais Plataformas Utilizad...

1.094

Java - Tecnologia

702

JAVA - Tecnologia

572

C++ - Tecnologia

507

Python - Tecnologia

Produção por Ano (tabulado)

Filtrar...

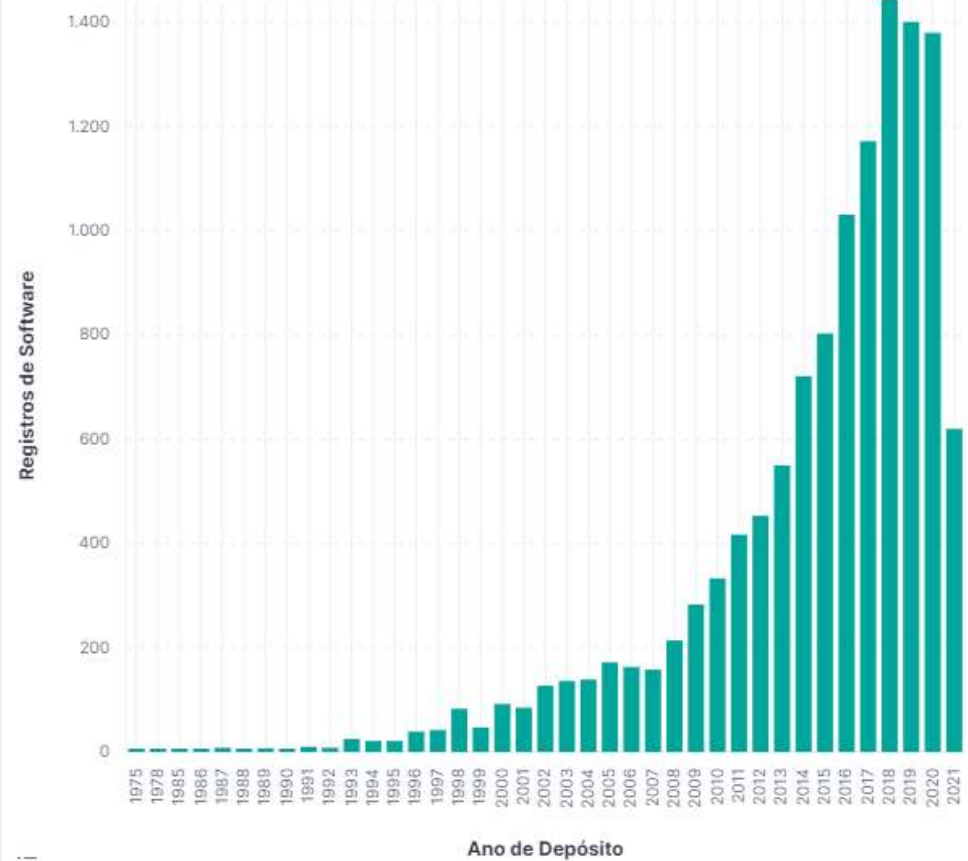


#	Ano de Produção	Softwares
1	2018	1.444
2	2019	1.401
3	2020	1.380
4	2017	1.172
5	2016	1.031
6	2015	803
7	2014	721
8	2021	620
9	2013	550
10	2012	453
Total		12.225

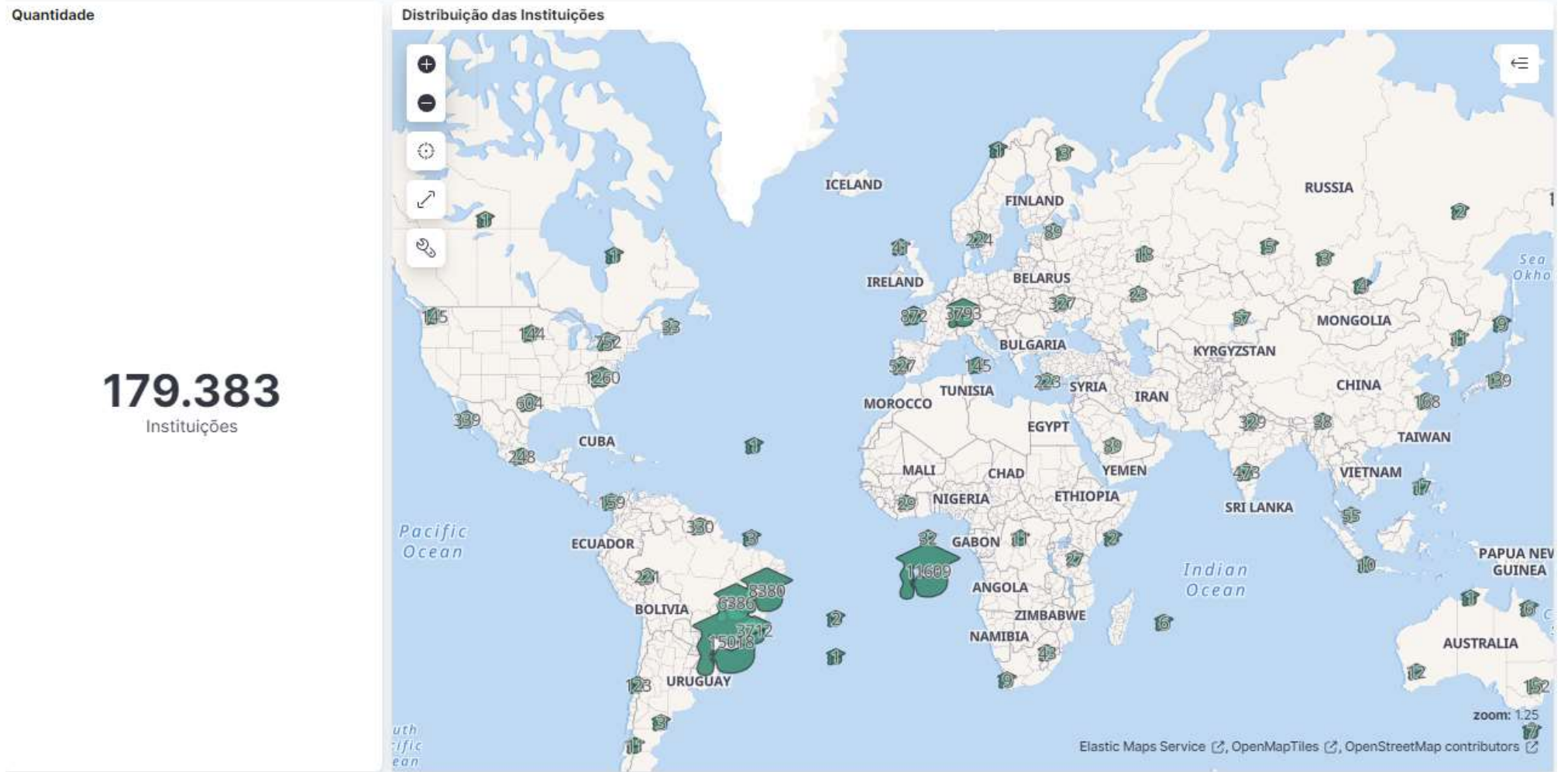
Export: [Dados Formatados\(.csv\)](#)

1 2 3 4 »

Produção por Ano



Institutions dashboard



Programs dashboard

Quantidade

5.752
Programas

Instituições

Filtrar...



#	Instituição	Programas
1	USP (ESCOLA SUPERIOR DE AGRICULTURA LUIZ DE QUEIROZ)	319
2	UNIVERSIDADE DE SÃO PAULO	219
3	Universidade Federal do Rio de Janeiro	148
4	UNIVERSIDADE ESTADUAL PAULISTA JÚLIO DE MESQUITA FILHO (INSTITUTO DE FÍSICA TEÓRICA)	147
5	UNIVERSIDADE FEDERAL DO RIO DE JANEIRO	145
6	UNIVERSIDADE FEDERAL DO AMAZONAS	132
7	UNIVERSIDADE FEDERAL DA PARAÍBA (JOÃO PESSOA)	125
8	UNIVERSIDADE FEDERAL DO RIO GRANDE DO NORTE	125
9	UNIVERSIDADE FEDERAL DE MINAS GERAIS	118
10	UNIVERSIDADE DE BRASÍLIA	111
Total		10.546

Export: [Dados Formatados\(.csv\)](#)

[1](#) [2](#) [3](#) [4](#) [5](#) ... [145](#) »

Patents dashboard

☰ + Add filter

Patentes

830.777

Patentes

Evolução Temporal

Filtrar...



# ^	Ano de Requerimento ⇅	Patentes ⇅
1	2017	65.058
2	2016	47.499
3	2018	40.722
4	2015	33.329
5	2020	33.067
6	2019	29.534
7	2000	27.035
8	2022	24.939
9	2021	22.899
10	2004	21.752

Total **823.819**

Export: [Dados Formatados\(.csv\)](#)

[1](#) [2](#) [3](#) [4](#) [5](#) »

Evolução Temporal

