

OS NOVOSS
ANOS 20
DESAFIOS | INCERTEZAS | RESISTÊNCIAS

apa
associação
portuguesa de
antropologia

Genealogies and Research Networks in Forensic Anthropology

Hidden biases and Ethical Concerns

Francisca Alves Cardoso



CRIA

Centro em Rede
de Investigação
em Antropologia

ISCTE
NOVA FCSH
UC
UMinho

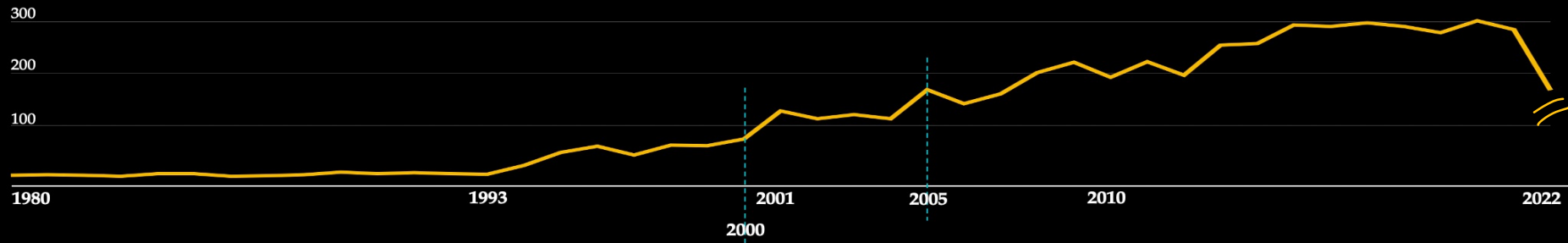


LABOH—Laboratório de Antropologia Biológica e Osteologia Humana, CRIA—Centro em Rede de Investigação em Antropologia, Faculdade de Ciências Sociais e Humanas, Universidade NOVA de Lisboa, Portugal.

Genealogies and Research Networks in Forensic Anthropology

Hidden biases and Ethical Concerns

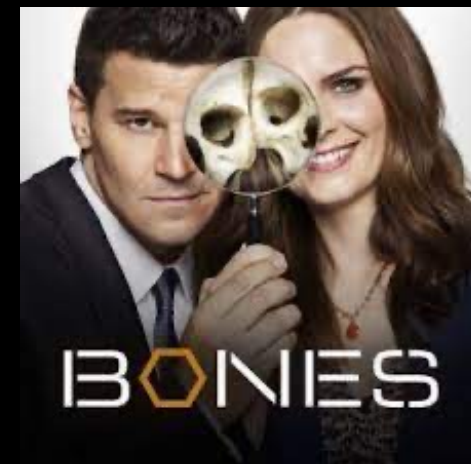
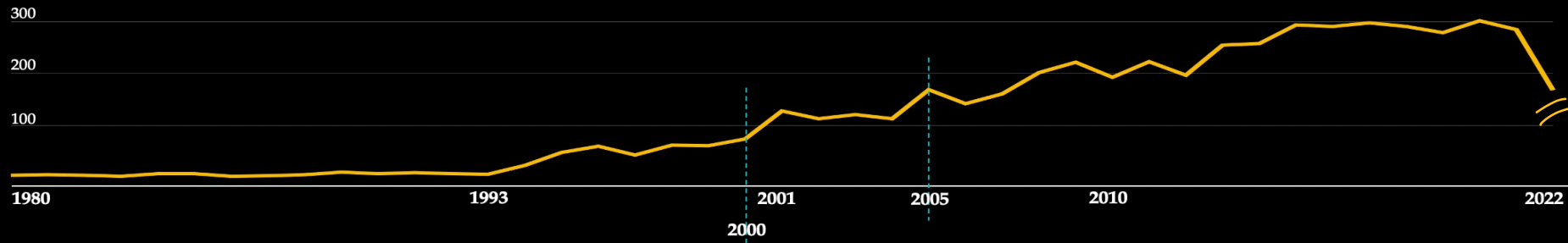
- Scientific publications based on forensic anthropology have increased significantly in the last 15 years, testifying to the **growing landscape of research agendas, scholarly research, methodological increments, and teaching developments...**



Genealogies and Research Networks in Forensic Anthropology

Hidden biases and Ethical Concerns

- Scientific publications based on forensic anthropology have increased significantly in the last 15 years, testifying to the growing landscape of research agendas, scholarly research, methodological increments, and teaching developments...
- Forensic Anthropology (FA) has become a buzzword in higher education institutes, and amongst undergraduate and postgraduate students, with its impact expanding beyond academia...



Genealogies and Research Networks in Forensic Anthropology

Profiling:



1) identify who is
publishing in
Forensic
Anthropology (FA)



2) identify research
agendas/topics and
reviews



3) identify major
funding bodies.

WHOM ?

WHAT ?

*By WHOM
€€€ ?*

Genealogies and Research Networks in Forensic Anthropology

Methodological approach:



1) identify who is publishing in Forensic Anthropology (FA)



2) identify research agendas/topics and reviews



3) identify major funding bodies.

Dimensions Database

- “Forensic Anthropology” OR “forensic anthropologists”
- Title and Abstracts
- Years 2020 – 2022 (September, 6th)

Descriptive Analysis

- Frequencies and geo-distribution

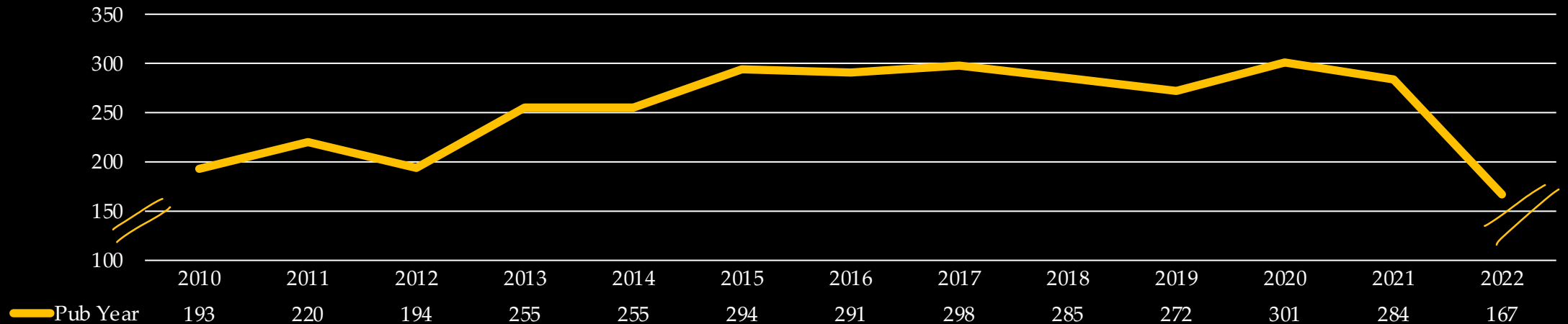
VOSviewer

- Research networks: Funding, Co-Authorships & Genealogies, research topics

Genealogies and Research Networks in Forensic Anthropology

Results:

→ 3.309 publications



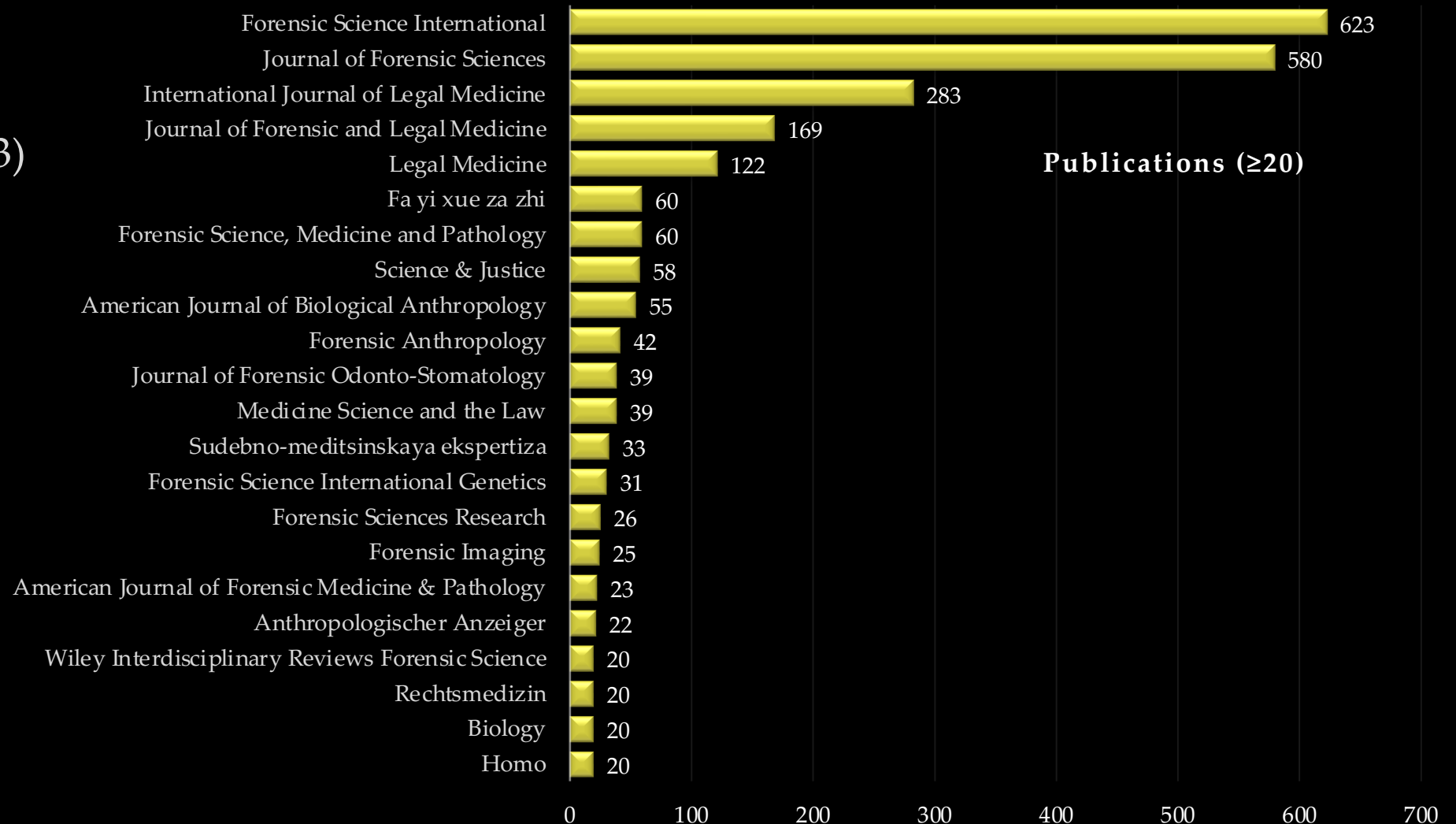
- ❖ Lack of references on grey publications, edited books, books, others (...)
- ❖ Limited to the chronology
- ❖ Limited to the English language
- ❖ Cases of false positives

Genealogies and Research Networks in Forensic Anthropology

Results:

→ 3.309 publications

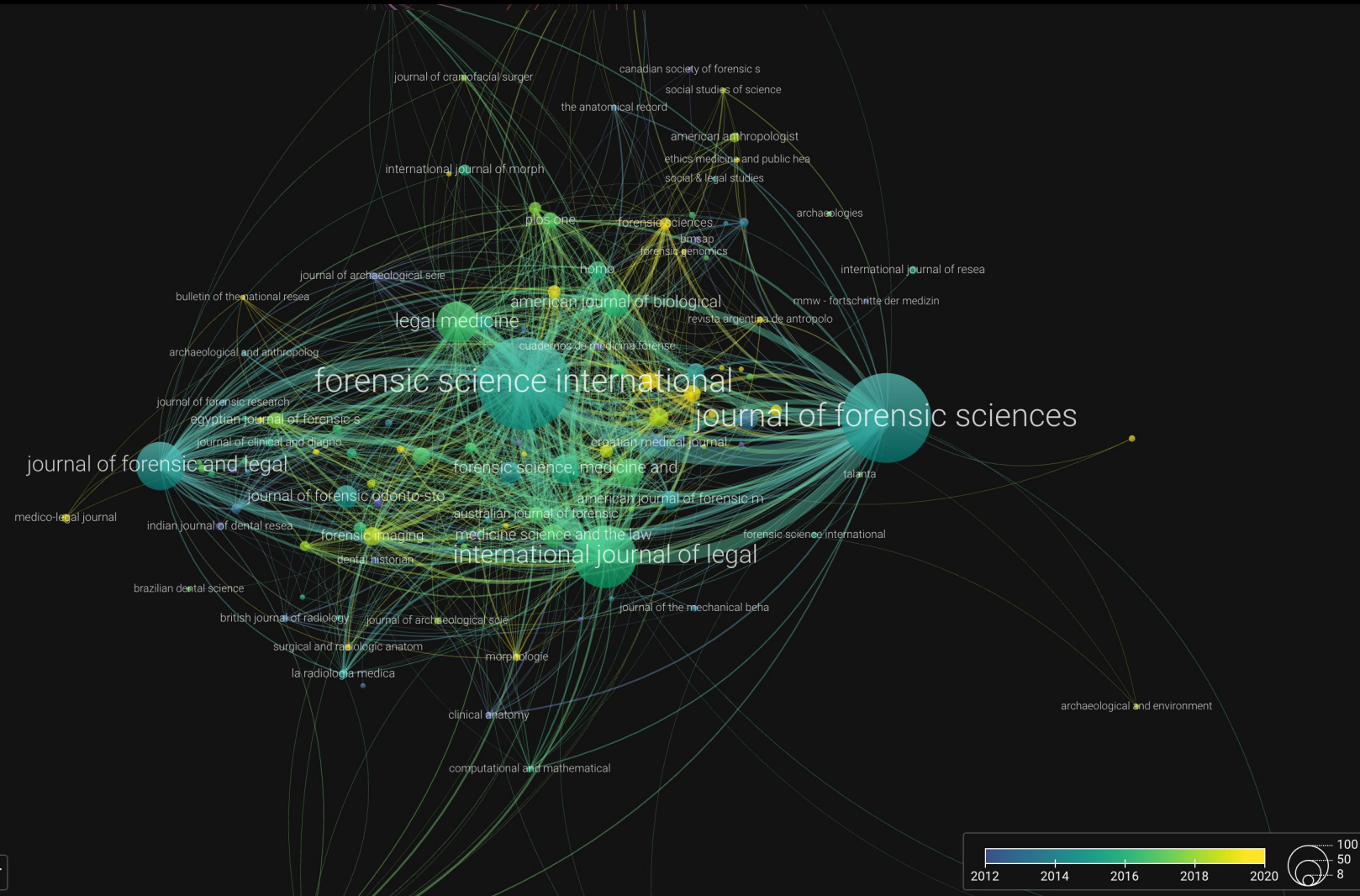
→ Main Journals (n=473)



Genealogies and Research Networks in Forensic Anthropology

Results:

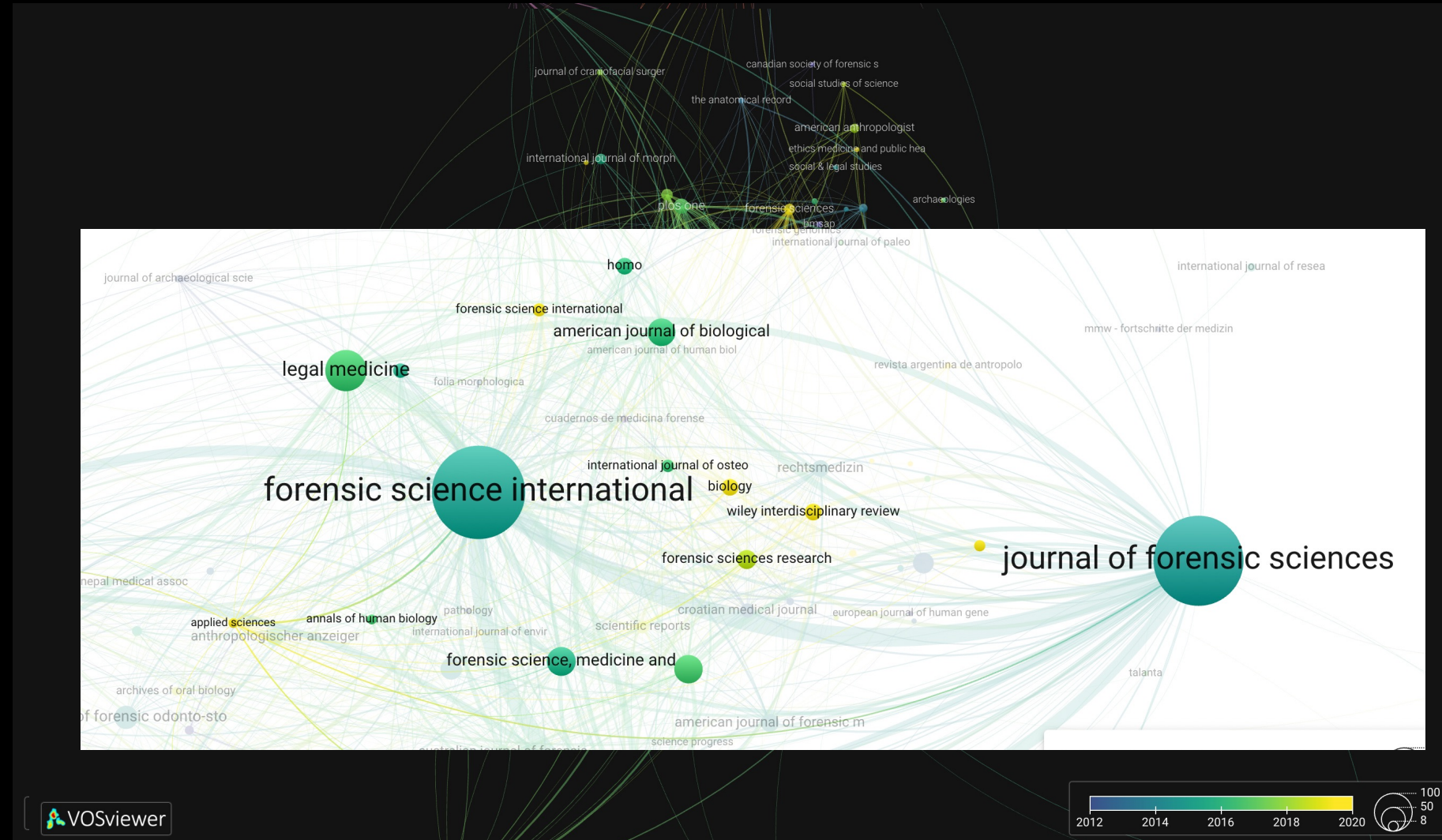
- 3.309 publications
- Main Journals (n=473)



Genealogies and Research Networks in Forensic Anthropology

Results:

- 3.309 publications
- Main Journals (n=473)



Genealogies and Research Networks in Forensic Anthropology

Results:

- 3.309 publications
- Main Journals (n=473)
- Various fields of research

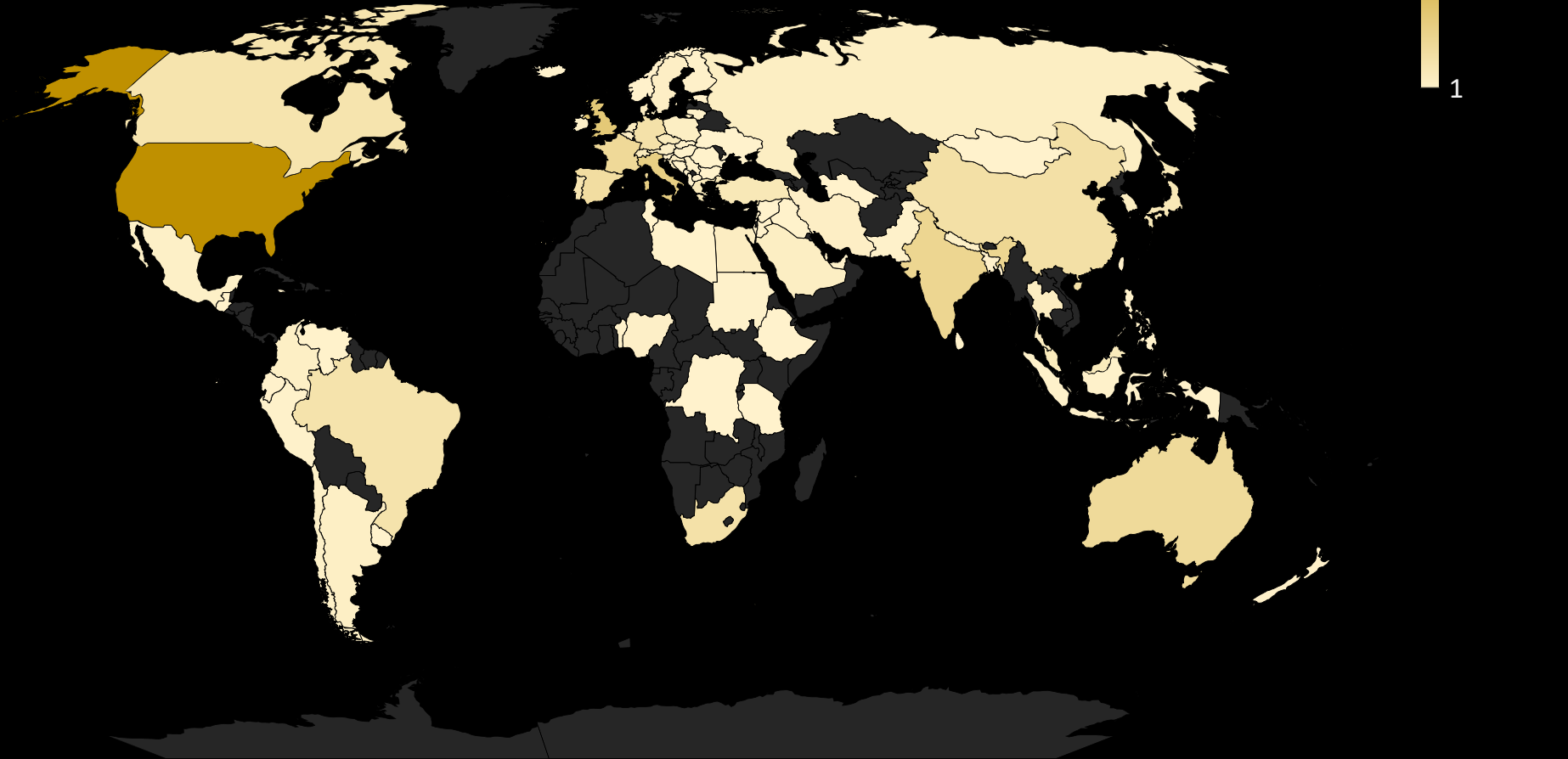


Medical and Health Sciences
Clinical Sciences
Biological Sciences
Chemical Sciences
Other Biological Sciences

Genealogies and Research Networks in Forensic Anthropology

Results – dataset:

→ 3.309 publications
worldwide (n=89 countries)



Genealogies and Research Networks in Forensic Anthropology

Results – dataset:

→ Countries > 50 publication

Country	Publications
United States of America	746
United Kingdom	313
Italy	265
India	215
France	192
Australia	184
Spain	158
China	141
South Africa	134
Germany	128
Brazil	118
Canada	111
Portugal	104
Turkey	78
Japan	77
Greece	67
Switzerland	61
Czech Republic	58
Malaysia	58



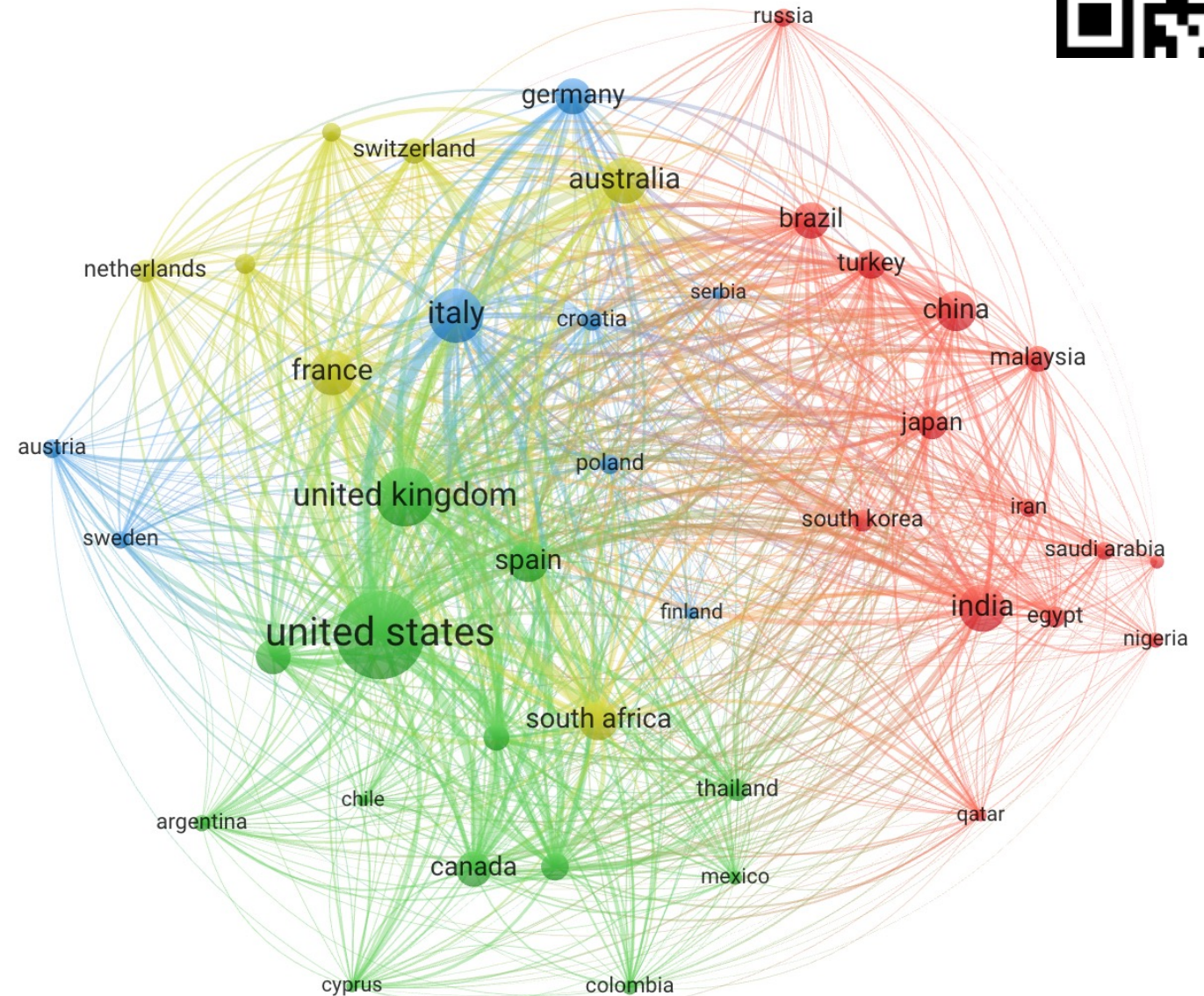
Genealogies and Research Networks in Forensic Anthropology

Results – dataset:



→ Countries > 50 publications

Country	Publications
United States of America	746
United Kingdom	313
Italy	265
India	215
France	192
Australia	184
Spain	158
China	141
South Africa	134
Germany	128
Brazil	118
Canada	111
Portugal	104
Turkey	78
Japan	77
Greece	67
Switzerland	61
Czech Republic	58
Malaysia	58

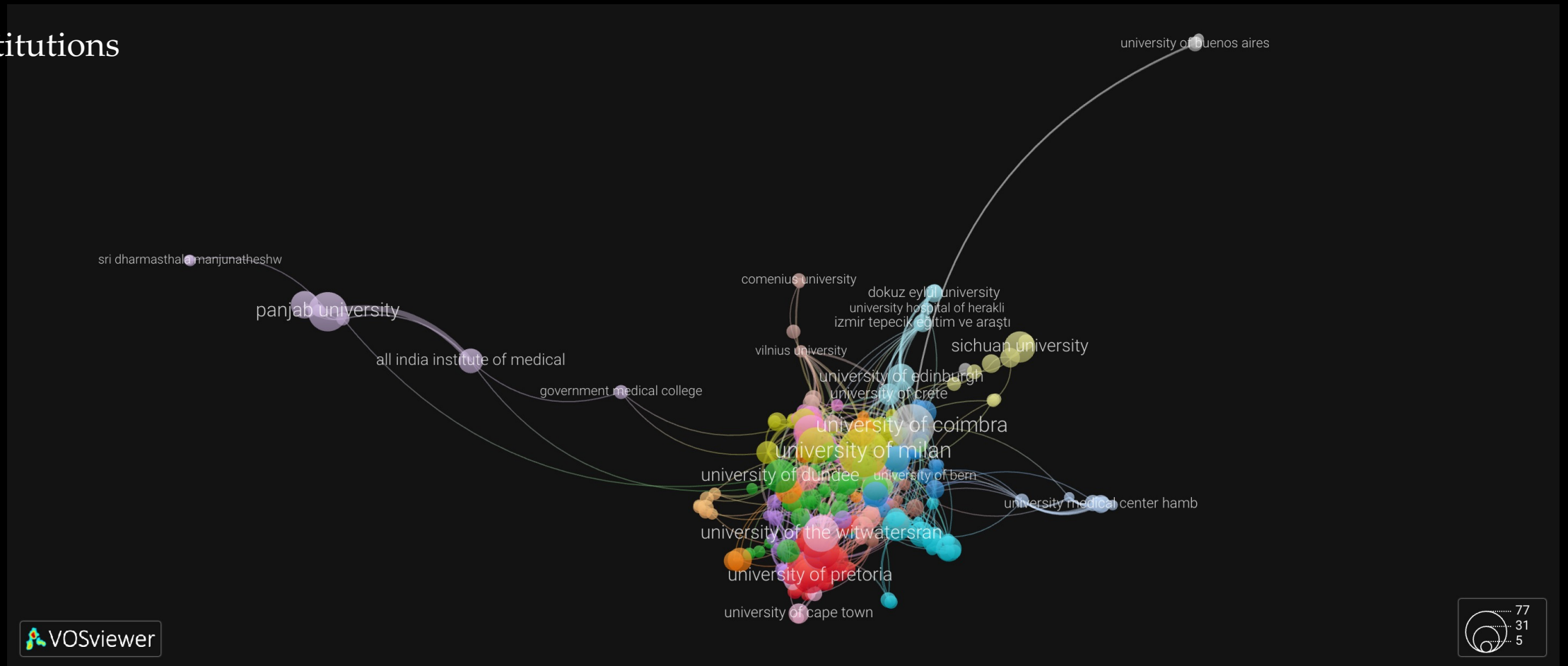


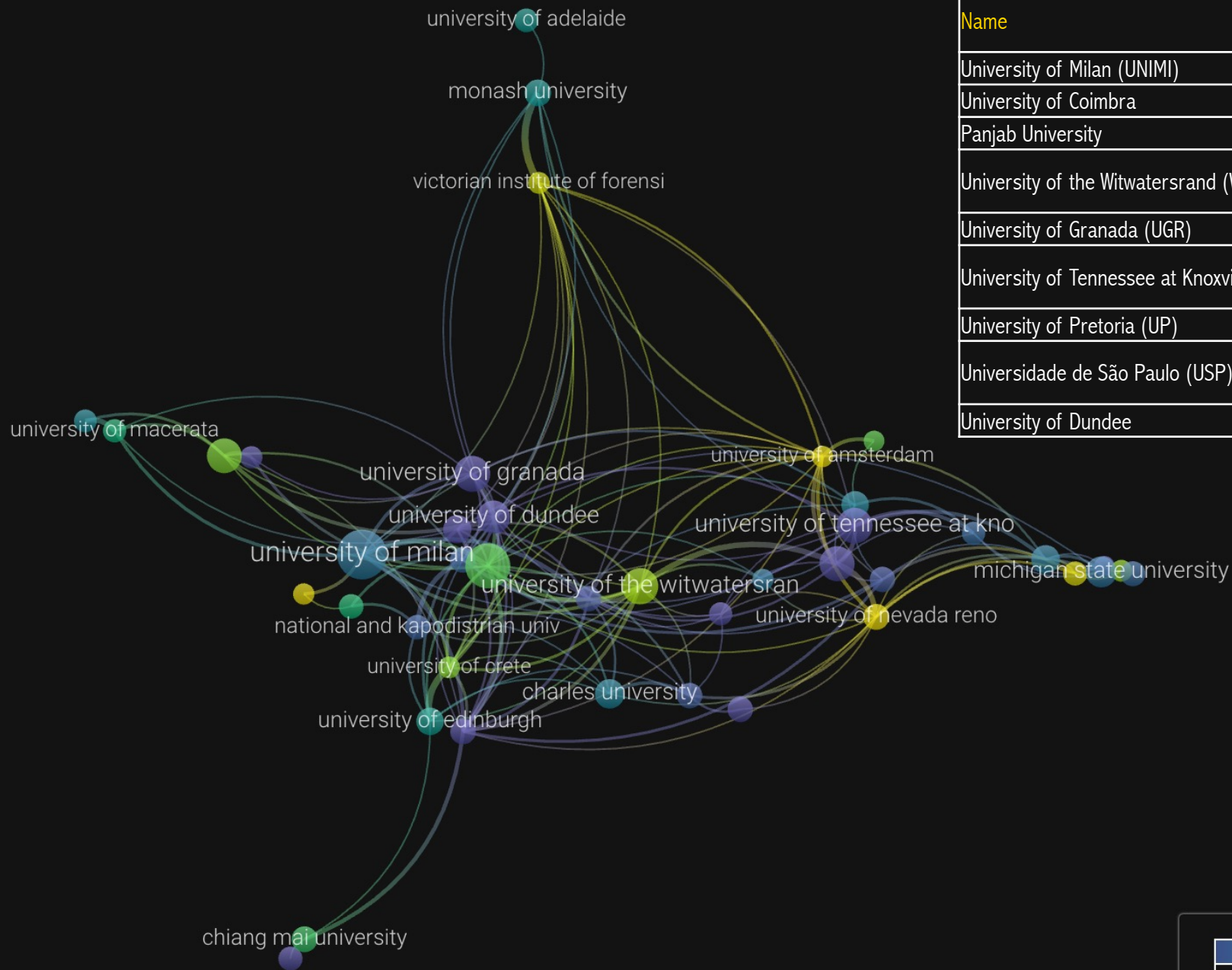
Genealogies and Research Networks in Forensic Anthropology

Results:

→ Research Networks – Who is published in Forensic Anthropology

500 institutions





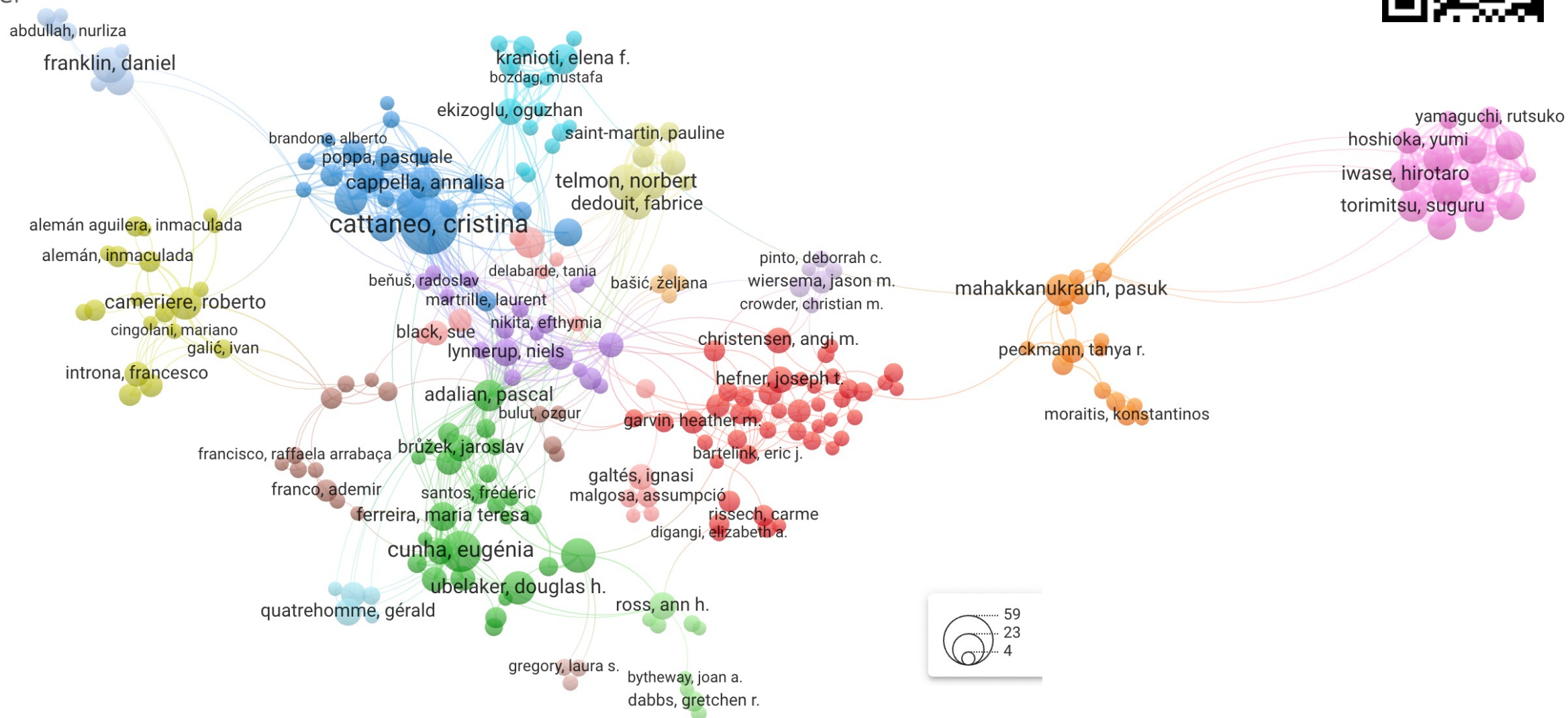
Name	Country	N
University of Milan (UNIMI)	Italy	115
University of Coimbra	Portugal	94
Panjab University	India	71
University of the Witwatersrand (Wits)	South Africa	61
University of Granada (UGR)	Spain	60
University of Tennessee at Knoxville (UTK)	United States	59
University of Pretoria (UP)	South Africa	57
Universidade de São Paulo (USP)	Brazil	56
University of Dundee	United Kingdom	51

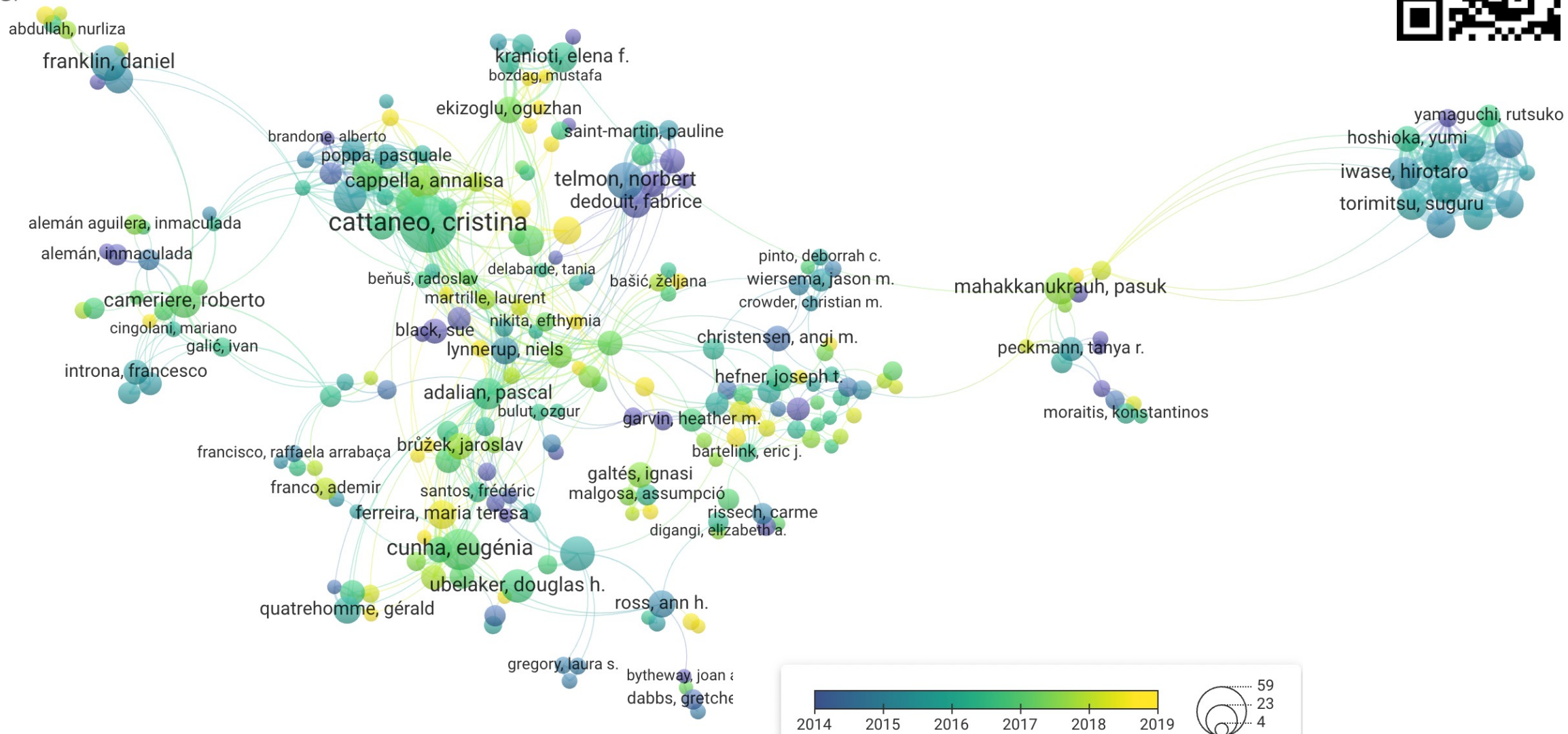


Genealogies and Research Networks in Forensic Anthropology

Results:

→ Research Networks – Who is published in Forensic Anthropology

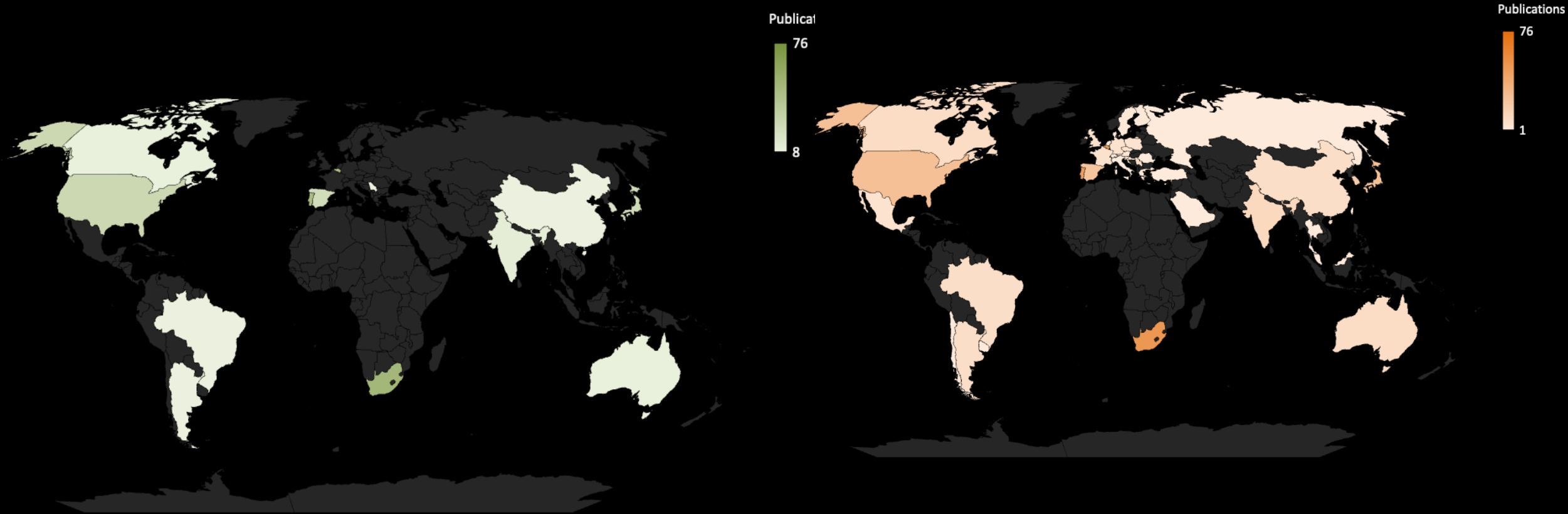


 VOSviewer

Genealogies and Research Networks in Forensic Anthropology

Results:

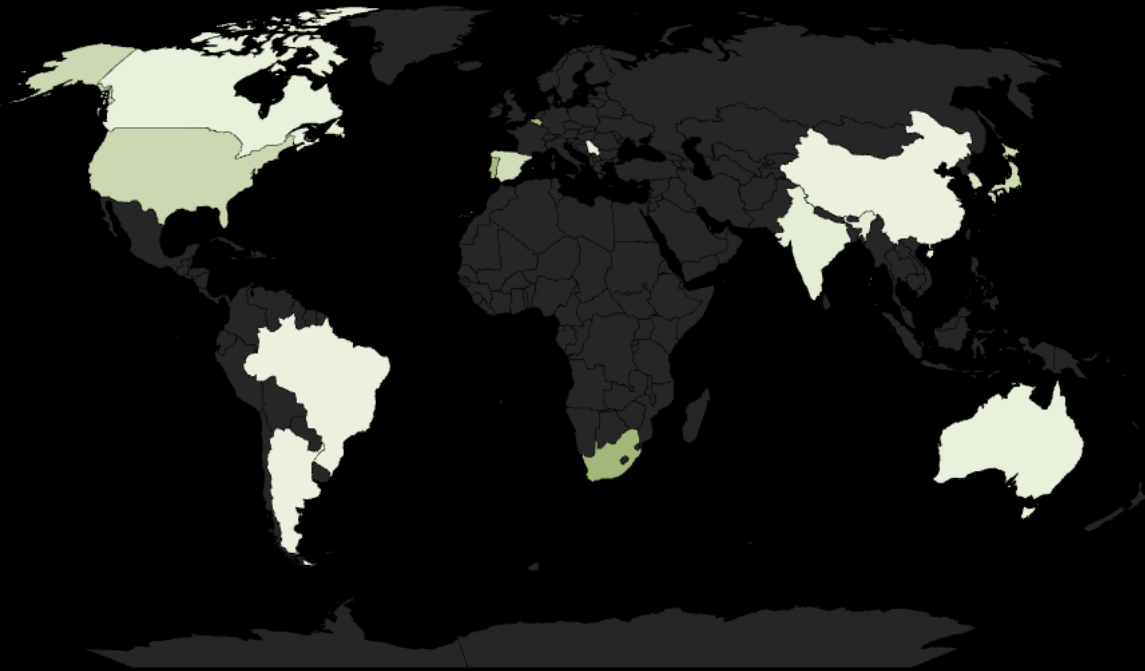
→ The funding bodies (n=219)



Genealogies and Research Networks in Forensic Anthropology

Results:

→ The funding bodies (>7 Pub)



Publications

76

8

Name	Country	Publications	Citations
National Scientific and Technical Research Council (CONICET)	Argentina	8	44
Department of Education, Skills and Employment (DET-Au)	Australia	9	58
Australian Research Council (ARC)	Australia	18	715
European Commission (EC)	Belgium	47	777
São Paulo Research Foundation (FAPESP)	Brazil	8	76
National Council for Scientific and Technological Development (CNPq)	Brazil	15	162
Coordenação de Aperfeiçoamento de Pessoal de Nível Superior (CAPES)	Brazil	23	221
Social Sciences and Humanities Research Council (SSHRC)	Canada	9	137
State Council of the People's Republic of China	China	8	54
National Natural Science Foundation of China (NSFC)	China	40	418
Ministry of Science and Technology of the People's Republic of China (MOST)	China	11	132
Department of Science and Technology (DST)	India	11	209
Japan Society for the Promotion of Science (JSPS)	Japan	25	322
Fundação para a Ciência e Tecnologia (FCT)	Portugal	46	496
Ministry of Education, Science and Technological Development	Serbia	8	29
National Research Foundation (NRF)	South Africa	50	615
National Research Foundation of Korea (NRF)	South Korea	18	309
Ministry of Economy, Industry and Competitiveness (MINECO)	Spain	23	497
Government of Catalonia	Spain	9	227
United States Department of Justice (DOJ)	United States	26	346
United States Department of Energy (DOE)	United States	31	392
Oak Ridge Associated Universities (ORAU)	United States	11	89
National Institute of Justice (NIJ)	United States	76	1106
Directorate for Social, Behavioral & Economic Sciences (NSF SBE)	United States	8	99

Genealogies and Research Networks in Forensic Anthropology

Results:

→ What is published?

An overview of age estimation in forensic anthropology: perspectives and practical considerations

Nicholas Márquez-Grant

2015, Annals of Human Biology - Article

Pedagogical Access and Ethical Considerations in Forensic Anthropology and Bioarchaeology

Micayla C. Spiros, Amber M. Plemons, Jack A. Biggs

2022, Science & Justice - Article

The (Mis)appropriation of Biological Anthropology in Race Science and the Implications for Forensic Anthropology

Donovan Adams, Marin Pilloud

2021, Forensic Anthropology - Article

Age estimation for forensic purposes in Italy: ethical issues

Martina Focardi, Vilma Pinchi, Federica De Luca, Gian-Aristide Norelli

2014, International Journal of Legal Medicine - Article

Ancestry Studies in Forensic Anthropology: Back on the Frontier of Racism

Overview of attention for article published in *Biology*, June 2021



About this Attention Score

In the top 5% of all research outputs scored by Altmetric

MORE...

- Mentioned by
- 13 news outlets
 - 1 blog
 - 29 tweeters
 - 1 Facebook page

Citations

10 Dimensions

SUMMARY

News

Blogs

Twitter

Facebook

Dimensions citations

So far, Altmetric has seen 13 news stories from 13 outlets.

bdnews24.com

Can skeletons have a racial identity?

bdnews24, 19 Oct 2021

Racial reckonings were happening everywhere in the summer of 2020, after George Floyd was killed by the Minneapolis police.

DNYUZ

Can Skeletons Have a Racial Identity?

DNYUZ, 19 Oct 2021

Racial reckonings were happening everywhere in the summer of 2020, after George Floyd was killed in Minneapolis by the police.

FUTURITY

The terms 'ancestry' and 'race' get muddled in forensics - Futurity

Futurity, 16 Jul 2021

A new study finds forensics researchers use terms related to ancestry and race in inconsistent ways.

Lab Manager

The Term 'Ancestry' Needs to Be Replaced with Something More Accurate

Lab Manager, 15 Jul 2021

Skulls in the lab of Ann Ross at NC State University. Ross is a biological anthropologist and forensic science researcher.

AZO LIFE SCIENCES

Researchers propose replacing ancestry in forensics with a population structure approach

AZO Life Sciences, 15 Jul 2021

A new study finds forensics researchers use terms related to ancestry and race in inconsistent ways, and calls for the...

TECHNOLOGY NETWORKS

News Replacement Needed for "Ancestry" in Forensics A study has found that forensics researchers are inconsistent in using terms related to ancestry and race. The researchers have called for the discipline to adopt a new approach to better account for bot

Technology Networks, 15 Jul 2021

A new study finds forensics researchers use terms related to ancestry and race in inconsistent ways, and calls for the...

Ross, A. H., & Williams, S. E. (2021). Ancestry studies in forensic anthropology: Back on the frontier of racism. *Biology*, 10(7), 602.

Ancestry Studies in Forensic Anthropology: Back on the Frontier of Racism

Overview of attention for article published in Biology, June 2021



SUMMARY

News

Blogs

Twitter

Facebook

Dimensions citations



So far, Altmetric has seen **13** news stories from **13** outlets.

Uncloaking a Lost Cause: Decolonizing ancestry estimation in the United States

Overview of attention for article published in American Journal of Physical Anthropology, January 2021



? About this Attention Score

In the top 5% of all research outputs scored by Altmetric

Mentioned by

- 13 news outlets
- 1 blog
- 29 tweeters
- 1 Facebook page

Citations

- 10 Dimensions

? About this Attention Score

In the top 5% of all research outputs scored by Altmetric

MORE...

Mentioned by

- 11 news outlets
- 3 blogs
- 110 tweeters
- 4 Facebook pages
- 1 Redditor

SUMMARY

News

Blogs

Twitter

Facebook

Reddit

Dimensions citations



So far, Altmetric has seen **12** news stories from **11** outlets.

EPOCH TIMES

Whatever Happened to Anthropology?

The Epoch Times, 24 Jul 2022

Commentary Once a field of serious academic research and study, anthropology has devolved into a virtue-signaling celebration...

newsmax

Report: Activists Push to End Classifying Ancient Human Remains by Gender

newsmax.com, 20 Jul 2022

Some activists are attempting to end the archaeological practice of classifying the gender of ancient human remains, calling it ...

ZeroHedge

Gender Activists Urge Anthropologists To Stop Labeling Human Remains 'Male' Or 'Female'

Zero Hedge, 18 Jul 2022

Authored by Jonathan Turley, There is an interesting controversy brewing in anthropology departments where professors have...

bdnews24.com

Can skeletons have a racial identity?

bdnews24, 19 Oct 2021

Racial reckonings were happening everywhere in the summer of 2020, after George Floyd was killed by the Minneapolis police.

DNYUZ

Can Skeletons Have a Racial Identity?

DNYUZ, 19 Oct 2021

Racial reckonings were happening everywhere in the summer of 2020, after George Floyd was killed in Minneapolis by the police.

Psychology Today

Do You Know the Early Warning Signs of Racism?

Psychology Today, 13 Mar 2021

Ever since Charles Darwin — in fact, since well before the publication of his instantly notorious book On The Origin of Species...

DiGangi, E. A., & Bethard, J. D. (2021). Uncloaking a lost cause: Decolonizing ancestry estimation in the United States. *American journal of physical anthropology*, 175(2), 422-436.

Genealogies and Research Networks in Forensic Anthropology

Commentaries and conclusions:

Hidden biases and Ethical Concerns

- Results will highlight singular scholars, research networks, and institutions – mostly USA and European based – although research is becoming worldwide. BUT – it is important to include research based on non-represented countries, research institutions
- There is a significant level of co-authorship, although there continues to cluster around major institutions and people – but new *names* may highlight future trends
- Consistency on research topics - overall: which raises the question related with population based studies and/or research designs repetition (different populations, methods = topic)
- Necessary to dive deep into the articles' content to flesh out issues related to ethical concerns, and studies repetitions, and methodological accuracy – which may dictate future research agendas and funding policies.

OS NOVOS ANOS 20

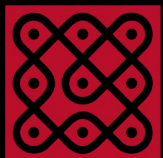
DESAFIOS | INCERTEZAS | RESISTÊNCIAS

apa
associação
portuguesa de
antropologia

Funding:

Francisca Alves Cardoso is supported by Fundação para a Ciência e Tecnologia (FCT) within the scope of CRIA - Centro em Rede de Investigação em Antropologia (UIDB/04038/2020) Strategic Development Plan & Research project *Life After Death: Rethinking Human Remains and Human Osteological Collections as Cultural Heritage and Biobanks* (2020.01014.CEECIND / funded by FCT/Portugal).

© 2022 by the authors. This article is an open access paper presentation distributed under the terms and conditions of the Creative Commons Attribution ([CC BY NC ND](#)) license.



CRIA
Centro em Rede
de Investigação
em Antropologia

ISCTE
NOVA FCSH
UC
UMinho



VOSviewer
Visualizing scientific landscapes





Genealogies and Research Networks in Forensic Anthropology

Hidden biases and Ethical Concerns

Francisca Alves Cardoso

LABOH—Laboratório de Antropologia Biológica e Osteologia Humana, CRIA—Centro em Rede de Investigação em Antropologia, Faculdade de Ciências Sociais e Humanas, Universidade NOVA de Lisboa, Portugal.