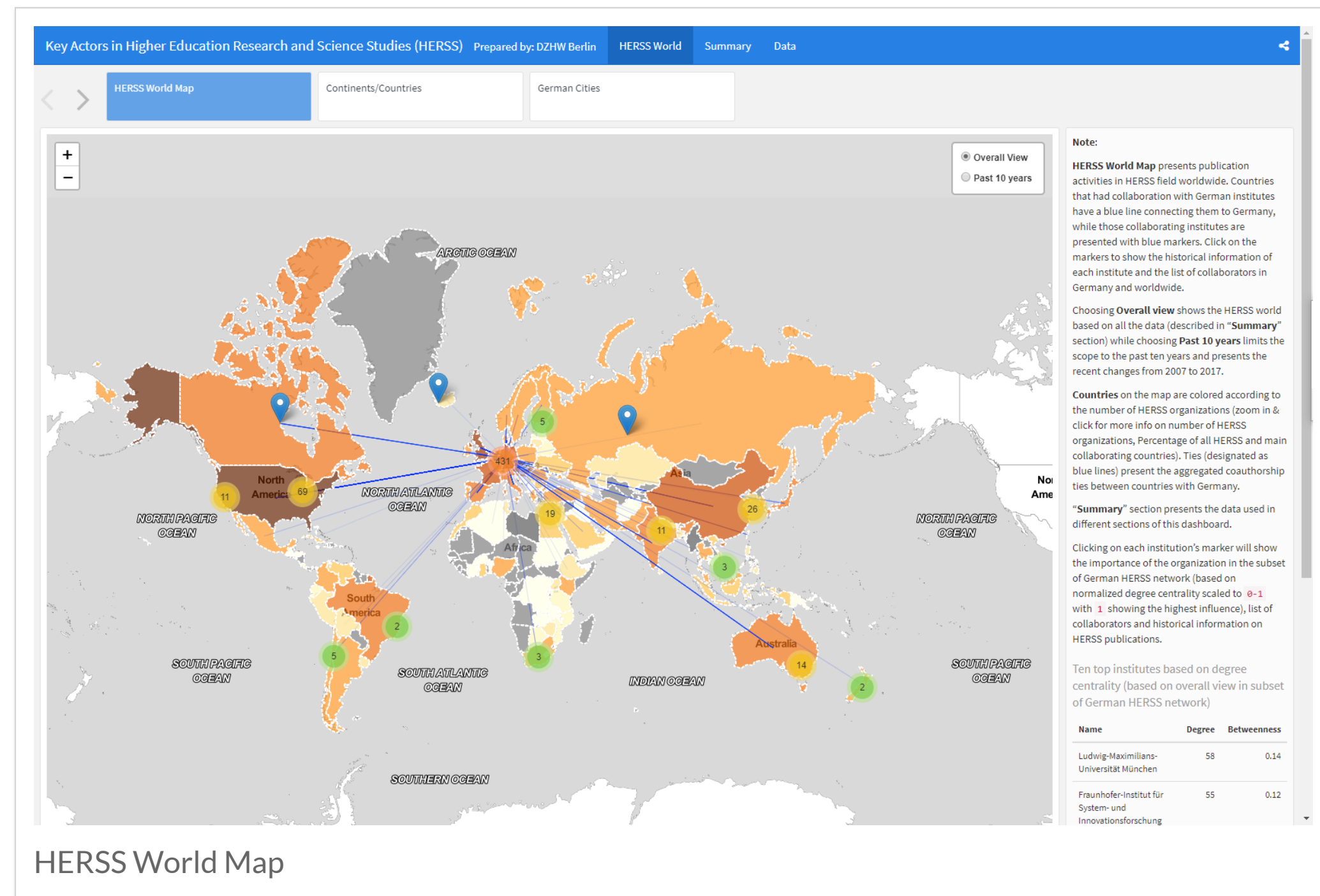


Why?

DZHW

Deutsches Zentrum für
Hochschul- und Wissenschaftsforschung

1. To explore and present the world of *Higher Education Research and Science Studies* (HERSS)
2. To provide an overview to the key actors in the field
3. To focus on **German** research centers and organizations
4. To cover their local and international collaborations
5. To find **unrealized** potential for collaborations
6. To do contextualized scientometrics (Waltman & Van Eck, 2016)
 - **Contextual** information on publications analyzed
 - **Simplicity** of indicators
 - **Diverse** set of indicators



keywords: Science Studies, Higher Education Research, WOS, Germany, DZHW

HIGHER EDUCATION RESEARCH and SCIENCE STUDIES (HERSS) DASHBOARD

Developed by: Aliakbar Akbaritabar (Akbaritabar@dzhw.eu), DZHW, Department 2, Berlin

Where?

We had multiple goals to address and a target audience of experts who are active in HERSS field.

Best way to observe the results is to scan these QR codes or visit the links.



Static
Flexdashboard developed in R
<https://bit.ly/2HNF51H>



Dynamic
Shiny Dashboard developed in R
<https://bit.ly/2kg3b5C>

Scan QR codes with phone. You need to have an active Internet connection

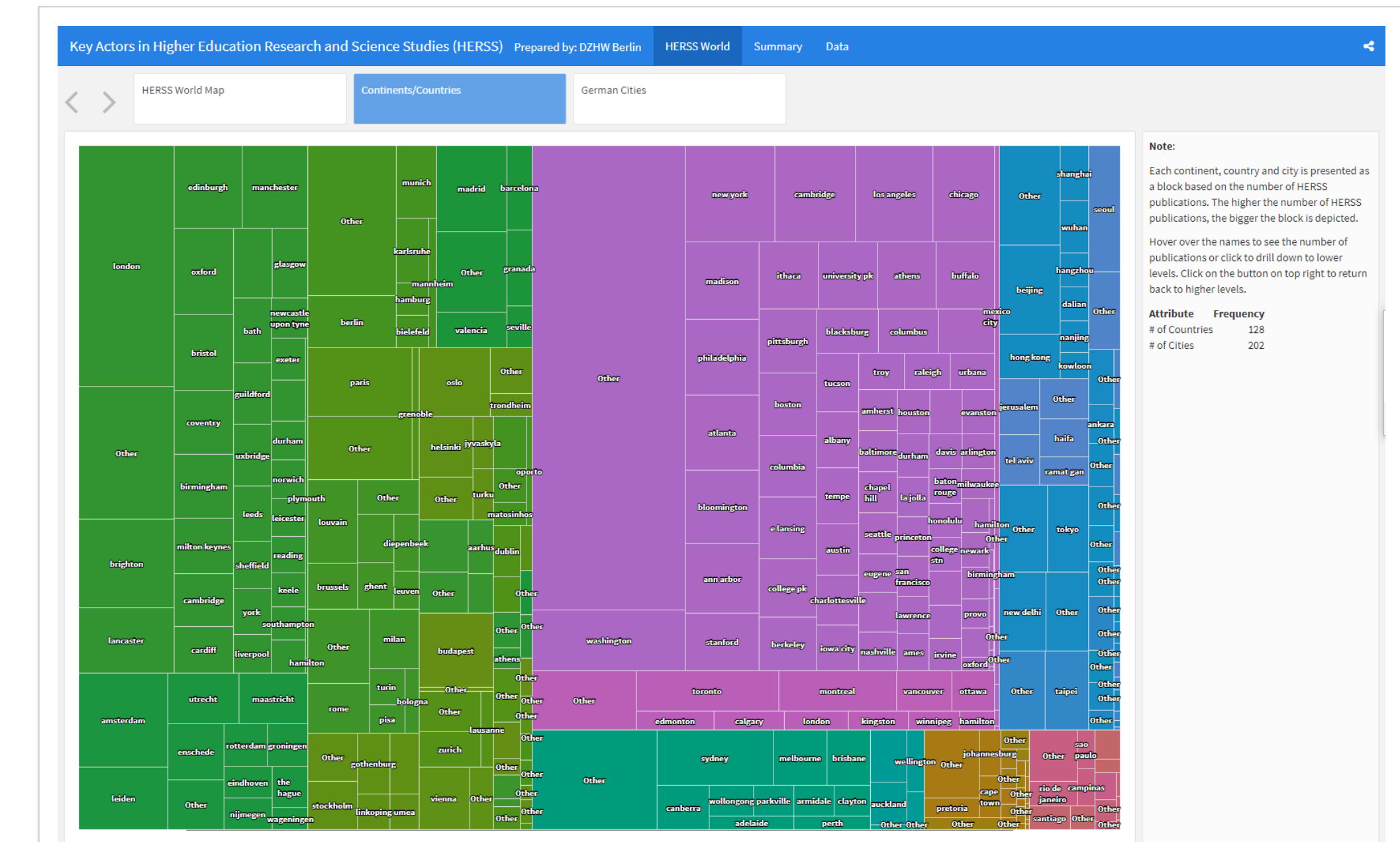
What?

DZHW

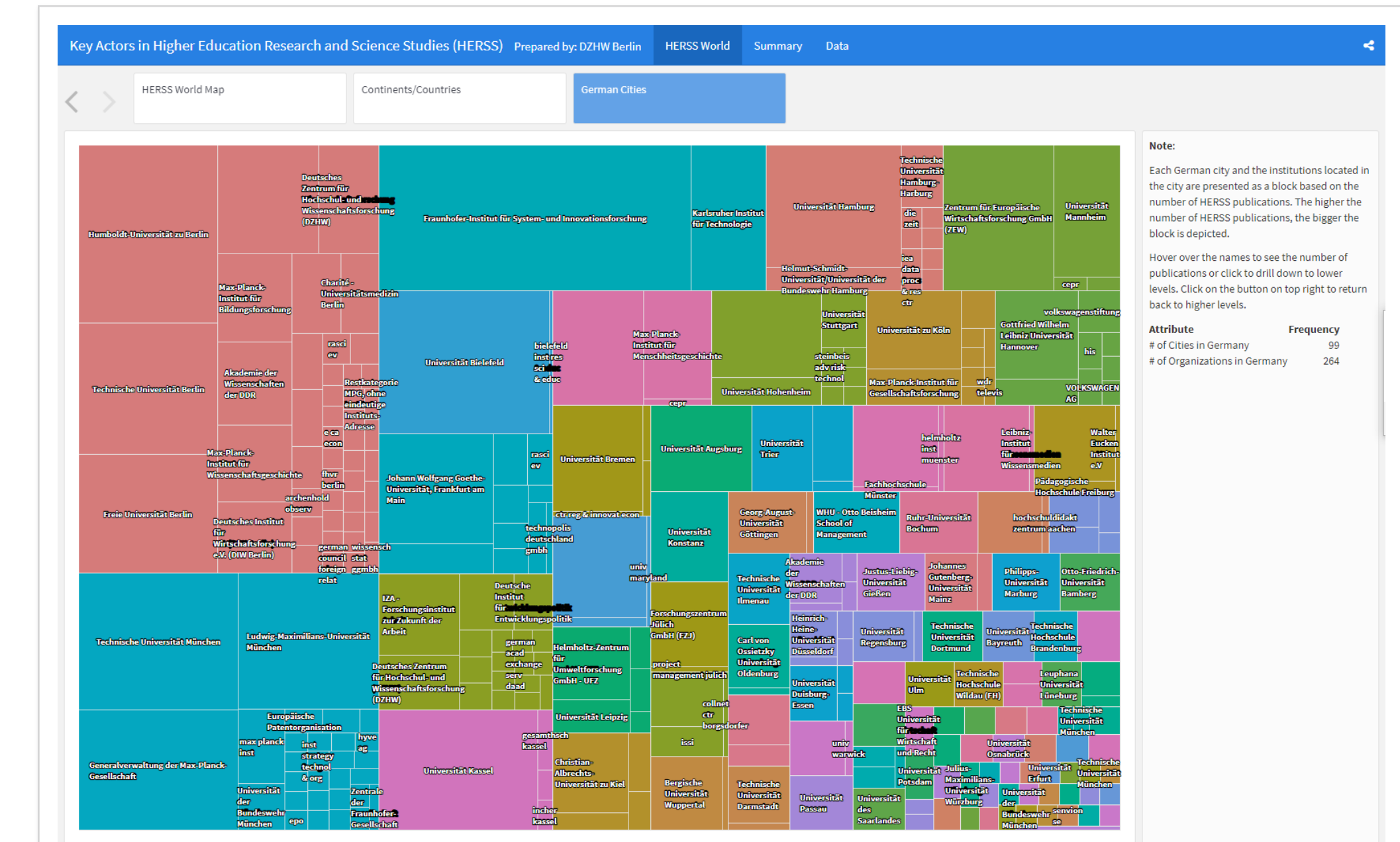
Deutsches Zentrum für
Hochschul- und Wissenschaftsforschung

1. An interactive dashboard
2. Explore the results
3. Ask questions
4. Find answers

Continents/Countries



German Cities



In the interactive version online you can click and drill up/down to different levels and see number of publications. Look at “Where?” section!

How?

By

1. Querying all publications in **23** HERSS journals (list from [BMBF ministry of Germany](#))
2. Extracting **29,898** pubs ranging from 1971 to 2017 from WoS
3. Organization *name disambiguation* using *Jaro-Winkler distance*, address *geocoding* using Google map API
4. *Network analysis* of collaborations
5. Looking at different levels: Continents, cities, country of affiliation, HE institutes
6. Identifying 6,260 organizations (264 in Germany)
7. Including 128 countries and 202 cities (99 in Germany)

Dashboard sections:

1. HERSS World Map:

- Number of HERSS Organizations in a country
- Percentage of all HERSS orgs
- Number of HERSS pubs
- First and last HERSS pub year
- Country's collaborators worldwide
- Importance of each institution in the collaboration network
- Choosing **Past 10 years** will adopt the view to 2007 - 2017

2. Continents/Countries:

- Distribution of HERSS organizations in each continent, country and city
- Sized based on the count of HERSS publications

3. German Cities:

- Distribution of HERSS organizations in German cities
- Sized based on the count of HERSS publications

4. Data:

- **Journals:**
 - Number of publications in each of 23 HERSS journals
 - Earliest and latest HERSS publication
- **Organizations:**
 - All HERSS organizations
 - Earliest and latest HERSS publication
 - Total number of HERSS publications
 - Main organizations active in the past 10 years

Journal Name	Frequency	Percent	Earliest article	Latest article	Year
1. Research & Practice	1000	3.33	1971	2017	2017
2. Higher Education	200	0.67	1971	2017	2017
3. Research in Science Education	100	0.33	1971	2017	2017
4. Studies in Higher Education	100	0.33	1971	2017	2017
5. Journal of Higher Education	100	0.33	1971	2017	2017
6. Journal of Management Education	100	0.33	1971	2017	2017
7. Journal of Management Inquiry	100	0.33	1971	2017	2017
8. Journal of Management Education	100	0.33	1971	2017	2017
9. Journal of Management Education	100	0.33	1971	2017	2017
10. Journal of Management Education	100	0.33	1971	2017	2017
11. Journal of Management Education	100	0.33	1971	2017	2017
12. Journal of Management Education	100	0.33	1971	2017	2017
13. Journal of Management Education	100	0.33	1971	2017	2017
14. Journal of Management Education	100	0.33	1971	2017	2017
15. Journal of Management Education	100	0.33	1971	2017	2017
16. Journal of Management Education	100	0.33	1971	2017	2017
17. Journal of Management Education	100	0.33	1971	2017	2017
18. Journal of Management Education	100	0.33	1971	2017	2017
19. Journal of Management Education	100	0.33	1971	2017	2017
20. Journal of Management Education	100	0.33	1971	2017	2017
21. Journal of Management Education	100	0.33	1971	2017	2017
22. Journal of Management Education	100	0.33	1971	2017	2017
23. Journal of Management Education	100	0.33	1971	2017	2017

HERSS Journals

Organization	Country	Total Papers	Earliest Paper	Latest Paper	Year
1. University of Berlin	Germany	100	1971	2017	2017
2. University of Berlin	Germany	100	1971	2017	2017
3. University of Berlin	Germany	100	1971	2017	2017
4. University of Berlin	Germany	100	1971	2017	2017
5. University of Berlin	Germany	100	1971	2017	2017
6. University of Berlin	Germany	100	1971	2017	2017
7. University of Berlin	Germany	100	1971	2017	2017
8. University of Berlin	Germany	100	1971	2017	2017
9. University of Berlin	Germany	100	1971	2017	2017
10. University of Berlin	Germany	100	1971	2017	2017
11. University of Berlin	Germany	100	1971	2017	2017
12. University of Berlin	Germany	100	1971	2017	2017
13. University of Berlin	Germany	100	1971	2017	2017
14. University of Berlin	Germany	100	1971	2017	2017
15. University of Berlin	Germany	100	1971	2017	2017
16. University of Berlin	Germany	100	1971	2017	2017
17. University of Berlin	Germany	100	1971	2017	2017
18. University of Berlin	Germany	100	1971	2017	2017
19. University of Berlin	Germany	100	1971	2017	2017
20. University of Berlin	Germany	100	1971	2017	2017
21. University of Berlin	Germany	100	1971	2017	2017
22. University of Berlin	Germany	100	1971	2017	2017
23. University of Berlin	Germany	100	1971	2017	2017

HERSS Organizations

And?

Limitations:

- Disambiguation of research institutes' name
- Geocoding addresses of research institutes

- **No ranking implied.** We are only presenting the current picture, a comprehensive and reliable ranking needs much more work
- Still a work in progress in need of further improvements