



(An answer to)
Documentation and analysis in
Social Sciences and Humanities

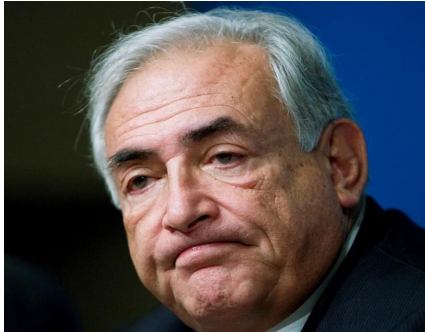
Christian Herzog, CEO Dimensions

Name of the track: “Also humanities” ...



“Are we are now going to be also be measured by metrics which are below our dignity and intellectual capabilities?”

Name of the track: “Also humanities” ...



“Ok, if it is what it is, let’s do it with as little efforts as possible!”

Name of the track: “Also humanities” ...



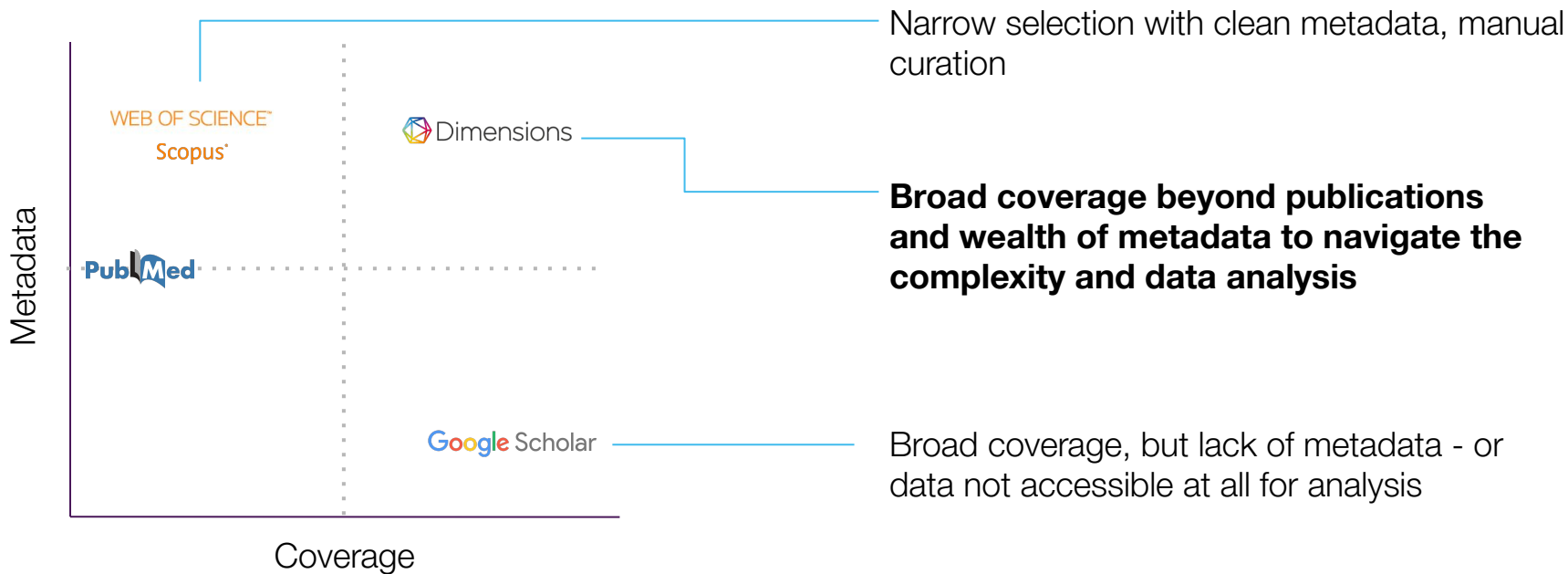
“Yes, we finally can articulate the value of our work better!”

... superficial characteristics of Social Sciences and Humanities

- Publishing patterns are different and heterogenous
- Comprehensive publications rather than articles
- ‘The distance between ‘basic research’ and ‘applied research’ is bigger - meaning how research results are ‘applied’ or how they create ‘tangible’ impact is less obvious, e.g.
 - E.g. it is clear what can be done with CRISPR
 - It is less obvious what the real world impact of studying Rwandan languages (example to follow)

What and where are the
outputs?

Broader scope with Dimensions - also for the benefit of SSH



Indication of coverage - using the University of Cambridge as an example

University of Cambridge, journal articles only, all time	With ERA filter
2-digit FOR code	Publications
01 Mathematical Sciences	13,953
02 Physical Sciences	28,008
03 Chemical Sciences	17,366
04 Earth Sciences	8,105
05 Environmental Sciences	2,792
06 Biological Sciences	35,676
07 Agricultural and Veterinary Sciences	4,456
08 Information and Computing Sciences	4,268
09 Engineering	26,941
10 Technology	2,636
11 Medical and Health Sciences	50,762
12 Built Environment and Design	1,082
13 Education	1,918
14 Economics	3,681
15 Commerce, Management, Tourism and Se	2,438
16 Studies in Human Society	6,466
17 Psychology and Cognitive Sciences	9,967
18 Law and Legal Studies	1,254
19 Studies in Creative Arts and Writing	542
20 Language, Communication and Culture	3,889
21 History and Archaeology	9,361
22 Philosophy and Religious Studies	6,289

- All journal articles in Dimensions assigned to Cambridge, categorised by FOR codes on 2 digit level
- Not a publication count, multiple code assignments possible
- Green/red color: highlighting broadly STEM and SSH
- ERA filter: considered to be a rough, 'on the back of an envelope' filter to the coverage of WoS - due to lack of access to the WoS for a proper analysis

Indication of coverage - using the University of Cambridge as an example

University of Cambridge, journal articles only, all time	With ERA filter		Without ERA filter	
	Publications	Publications	Publications	Increase compared to ERA filter
2-digit FOR code				
01 Mathematical Sciences	13,953	15,457	10.78%	
02 Physical Sciences	28,008	30,772	9.87%	
03 Chemical Sciences	17,366	19,231	10.74%	
04 Earth Sciences	8,105	8,808	8.67%	
05 Environmental Sciences	2,792	2,994	7.23%	
06 Biological Sciences	35,676	37,628	5.47%	
07 Agricultural and Veterinary Sciences	4,456	4,603	3.30%	
08 Information and Computing Sciences	4,268	7,127	66.99%	
09 Engineering	26,941	31,398	16.54%	
10 Technology	2,636	3,470	31.64%	
11 Medical and Health Sciences	50,762	54,787	7.93%	
12 Built Environment and Design	1,082	1,180	9.06%	
13 Education	1,918	2,060	7.40%	
14 Economics	3,681	4,023	9.29%	
15 Commerce, Management, Tourism and Services	2,438	2,669	9.47%	
16 Studies in Human Society	6,466	7,226	11.75%	
17 Psychology and Cognitive Sciences	9,967	11,001	10.37%	
18 Law and Legal Studies	1,254	1,440	14.83%	
19 Studies in Creative Arts and Writing	542	615	13.47%	
20 Language, Communication and Culture	3,889	4,901	26.02%	
21 History and Archaeology	9,361	13,385	42.99%	
22 Philosophy and Religious Studies	6,289	7,040	11.94%	

- By removing the ERA filter, the full coverage of Dimensions and the impact of a more inclusive indexing policy in the different FOR categories becomes obvious
- Significant percentage increases in SSH
- Again, we are only looking at journal articles

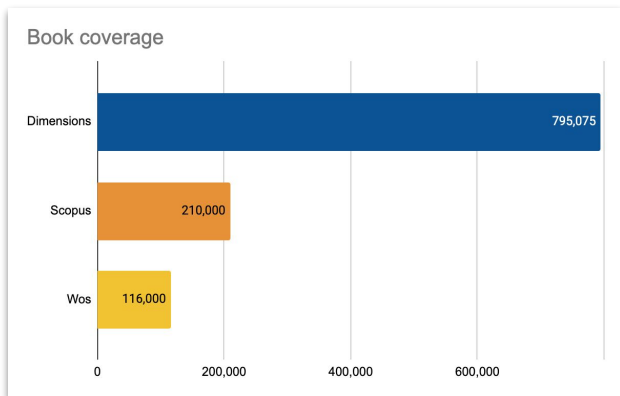
Indication of coverage - using the University of Cambridge as an example

University of Cambridge, journal articles only, all time	With ERA filter		Without ERA filter		Preprints, monographs, chapters and edited books	
	Publications	Publications	Increase compared to ERA filter	Count	Increase compared to ERA filter	
01 Mathematical Sciences	13,953	15,457	10.78%	1,299	20.09%	
02 Physical Sciences	28,008	30,772	9.87%	2,306	18.10%	
03 Chemical Sciences	17,366	19,231	10.74%	1,132	17.26%	
04 Earth Sciences	8,105	8,808	8.67%	315	12.56%	
05 Environmental Sciences	2,792	2,994	7.23%	193	14.15%	
06 Biological Sciences	35,676	37,628	5.47%	3,496	15.27%	
07 Agricultural and Veterinary Sciences	4,456	4,603	3.30%	76	5.00%	
08 Information and Computing Sciences	4,268	7,127	66.99%	1,737	107.69%	
09 Engineering	26,941	31,398	16.54%	1,697	22.84%	
10 Technology	2,636	3,470	31.64%	164	37.86%	
11 Medical and Health Sciences	50,762	54,787	7.93%	3,028	13.89%	
12 Built Environment and Design	1,082	1,180	9.06%	29	11.74%	
13 Education	1,918	2,060	7.40%	188	17.21%	
14 Economics	3,681	4,023	9.29%	1,018	36.95%	
15 Commerce, Management, Tourism and Se	2,438	2,669	9.47%	585	33.47%	
16 Studies in Human Society	6,466	7,226	11.75%	745	23.28%	
17 Psychology and Cognitive Sciences	9,967	11,001	10.37%	955	19.96%	
18 Law and Legal Studies	1,254	1,440	14.83%	596	62.36%	
19 Studies in Creative Arts and Writing	542	615	13.47%	23	17.71%	
20 Language, Communication and Culture	3,889	4,901	26.02%	337	34.69%	
21 History and Archaeology	9,361	13,385	42.99%	513	48.47%	
22 Philosophy and Religious Studies	6,289	7,040	11.94%	233	15.65%	

- With other content types (just research outputs, not even grants etc.) further increases are realised - up to 62% for categories in SSH

Books in Dimensions

- ~800,000 monographs, 296,891 edited books (10m chapters)
- From the 795k monographs, 242k are Open Access



Dimensions e.g. plastic AND instrument

FILTERS FAVORITES

GROUPS

PUBLICATION YEAR

RESEARCHER

FUNDER

COUNTRY OF FUNDER

RESEARCH ORGANIZATION

LOCATION - RESEARCH ORGANIZATION

RESEARCH CATEGORIES

PUBLICATION TYPE

- Article 92,840,209
- Chapter 9,786,664
- Proceeding 6,224,527
- Preprint 2,450,781
- Monograph 795,464
- Edited Book 296,891

SOURCE TITLE

PUBLISHER

JOURNAL LIST

OPEN ACCESS

PUBLICATIONS 112,394,564 DATASETS 1,566,004 GRANTS 5,588,930 PATENTS 40,559,786 CLINICAL TRIALS 583,310

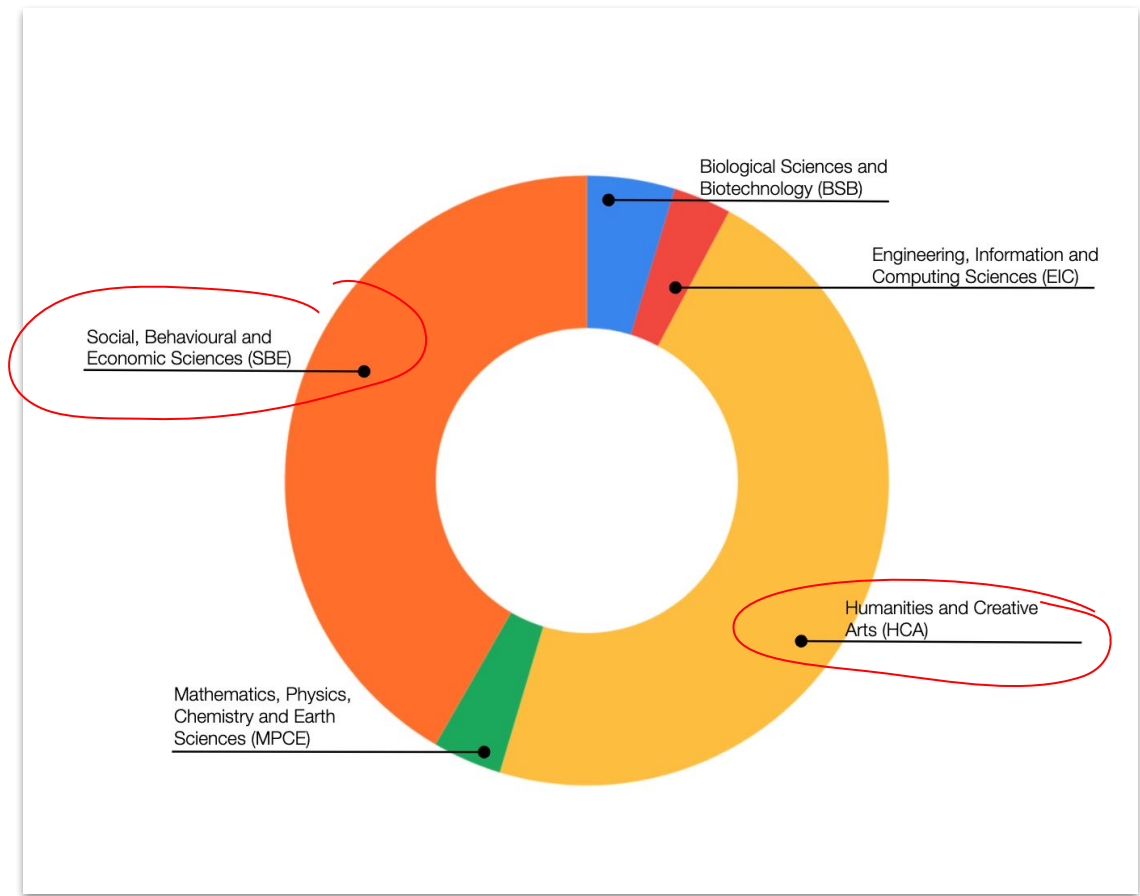
Title, Author(s), Bibliographic reference - [About the metrics](#)

[Protein measurement with the Folin phenol reagent.](#)
O H LOWRY, N J ROSEBROUGH, A L FARR, R J RANDALL
1951, Journal of Biological Chemistry - Article
Citations 232k Altmetric 155 Add to Library Add to ORCID

[Cleavage of Structural Proteins during the Assembly of the Head of Bacteriophage T4.](#)
U. K. LAEMMLI
1970, Nature - Article
Using an improved method of gel electrophoresis, many hitherto unknown proteins have been identified with specific gene products. Four major components of the...
Citations 198k Altmetric 82 Add to Library Add to ORCID

[A rapid and sensitive method for the quantitation of microgram quantities of protein-dye binding](#)
Marion M. Bradford
1976, Analytical Biochemistry - Article
A protein determination method which involves the binding of Coomassie Brilliant Blue G250 to protein causes a shift in the absorption maximum of the dye... more
Citations 181k Altmetric 56 Add to Library Add to ORCID

[Analysis of Relative Gene Expression Data Using Real-Time Quantitative PCR](#)
Kenneth J. Livak, Thomas D. Schmittgen
2001, Methods - Article
The two most commonly used methods to analyze data from real-time, quantitative PCR experiments are the relative expression method and the absolute quantification method. Absolute quantification determines the input copy number of a gene or sequence...



Distribution of the
appr. 800,000
monographs across
disciplines

Getting perspectives

... on Social Science and Humanities in Dimensions

Different kinds of perspectives

Defining the scope and boundaries

- What is the right scope to start quantifying activities and results in SSH?
 - A firm 'grid' once established
- Journal lists creating a permanent (perhaps authoritative) scope, tailored to the use case

Perspectives to enable insights

- Which SSH outputs in which subfield? Or at the intersection of two fields?
 - Indicative 'signals' to identify clusters and patents
- Machine learning based classification, based on content of research outputs

Journal lists in Dimensions relevant to Social Sciences and Humanities

- Journal lists filters in every Dimensions instance available
- Available as a baseline for review / assessment activities



VABB-SHW Database

The Flemish Academic Bibliographic Database for the Social Sciences and Humanities (VABB-SHW) is a database of academic publications from the social sciences and humanities authored by researchers affiliated to Flemish universities.

▼ PUBLICATION TYPE

<input type="radio"/>	Article	38,276,026
<input type="radio"/>	Chapter	589,928
<input type="radio"/>	Proceeding	45,777
<input type="radio"/>	Edited Book	17,155
<input type="radio"/>	Monograph	Limit to

FILTERS

FAVORITES

▼ PUBLICATION YEAR

- 2020 261,879
- 2019 292,186
- 2018 286,171
- 2017 279,492
- 2016 272,406
- 2015 262,235
- 2014 246,848

- 240,322
- 222,661
- 200,704

► JOURNAL LIST

► OPEN ACCESS

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PUBLICATIONS

8,069,676

Show abstract Sort by: Publication Date ▼

Title, Author(s), Bibliographic reference - [About the metrics](#)

[Out-of-pocket spending for contraceptives in Latin America](#)

Lucas Godoy Garraza, Federico Tobar, Iván Rodríguez Bernate

2020, Sexual and Reproductive Health Matters - Article

Despite progress in increasing the use of modern contraceptives in most Latin American countries over the last few decades, important challenges remain, including the heavy reliance on out-of-pocket s... [more](#)

 4  View PDF  Add to Library

[Adolescent sexual and reproductive health and universal health coverage: a comparative policy and legal analysis of Ethiopia, Malawi and Zambia](#)

Godfrey Kangaude, Ernestina Coast, Tamara Fetters

2020, Sexual and Reproductive Health Matters - Article

Universal Health Coverage (UHC) forces governments to consider not only how services will be provided - but which services - and to whom, when, where, how and at what cost. This paper considers the im... [more](#)

 25  View PDF  Add to Library

[Foreign ideology vs. national priority: impacts of the US Global Gag Rule on Nepal's sexual and reproductive healthcare system](#)

Jyotsna Tamang, Aagya Khanal, Anand Tamang, Naomi Gaspard, Maggie Magee, Marta Schaaf, Terry McGo...

2020, Sexual and Reproductive Health Matters - Article

In recent decades, bold steps taken by the government of Nepal to liberalise its abortion law and increase the affordability and accessibility of safe abortion and family planning have contributed to ... [more](#)

 6  View PDF  Add to Library

[From bad to worse: global governance of abortion and the Global Gag Rule](#)

Terry McGovern, Marta Schaaf, Emily Battistini, Emily Maistrellis, Kathryn Gibb, Sara E Casey

2020, Sexual and Reproductive Health Matters - Article

The Drumpf Administration's *Protecting Life in Global Health Assistance* (PLGHA) significantly expands the "Global Gag Rule" - and, in so doing, weakens the global governance of abortion. By chil... [more](#)

 1  26  View PDF  Add to Library

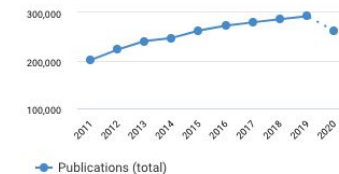
← ANALYTICAL VIEWS

 RESEARCH CATEGORIES

17 Psychology and Cognitive Sciences	1,466,979
21 History and Archaeology	1,312,539
11 Medical and Health Sciences	1,174,906
1701 Psychology	1,113,336
2103 Historical Studies	1,047,548

 OVERVIEW

Citations **134.0 M** Citations (Mean) **16.60**



 RESEARCHERS

Robin Macgregor Murray King's College London, United Kingdom	934
No Authorship Indicated	789
Patrick Madigan Heythrop College, University of London, United Kingdom	740
Kenneth Seedman Kendler Virginia Commonwealth University, United States	679
Stephen V Faraone SUNY Upstate Medical University, United States	671



Different kinds of perspectives

Defining the scope and boundaries

- What is the right scope to start quantifying activities and results in SSH?
 - A firm 'grid' once established
- Journal lists creating a permanent (perhaps authoritative) scope, tailored to the use case

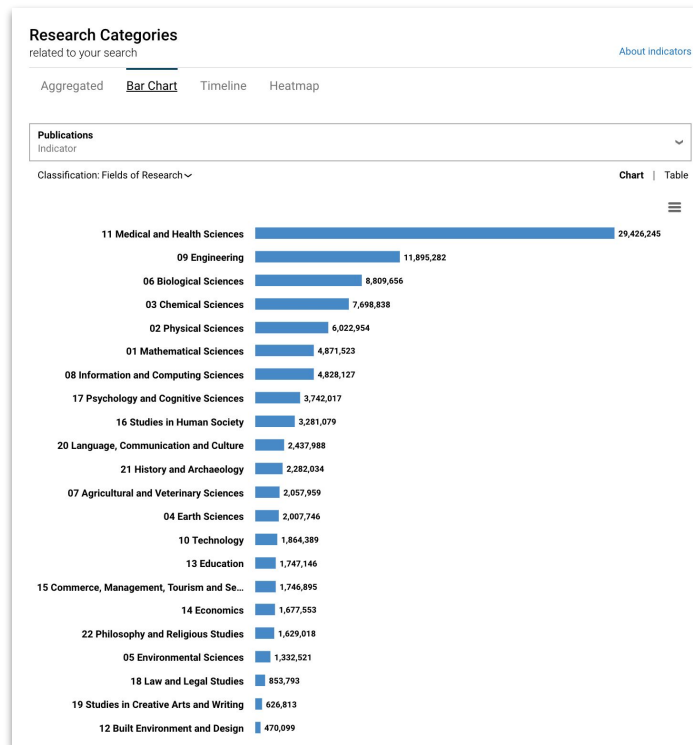
Perspectives to enable insights

- Which SSH outputs in which subfield? Or at the intersection of two fields?
 - Indicative 'signals' to identify clusters and patterns
- Machine learning based classification, based on content of research outputs

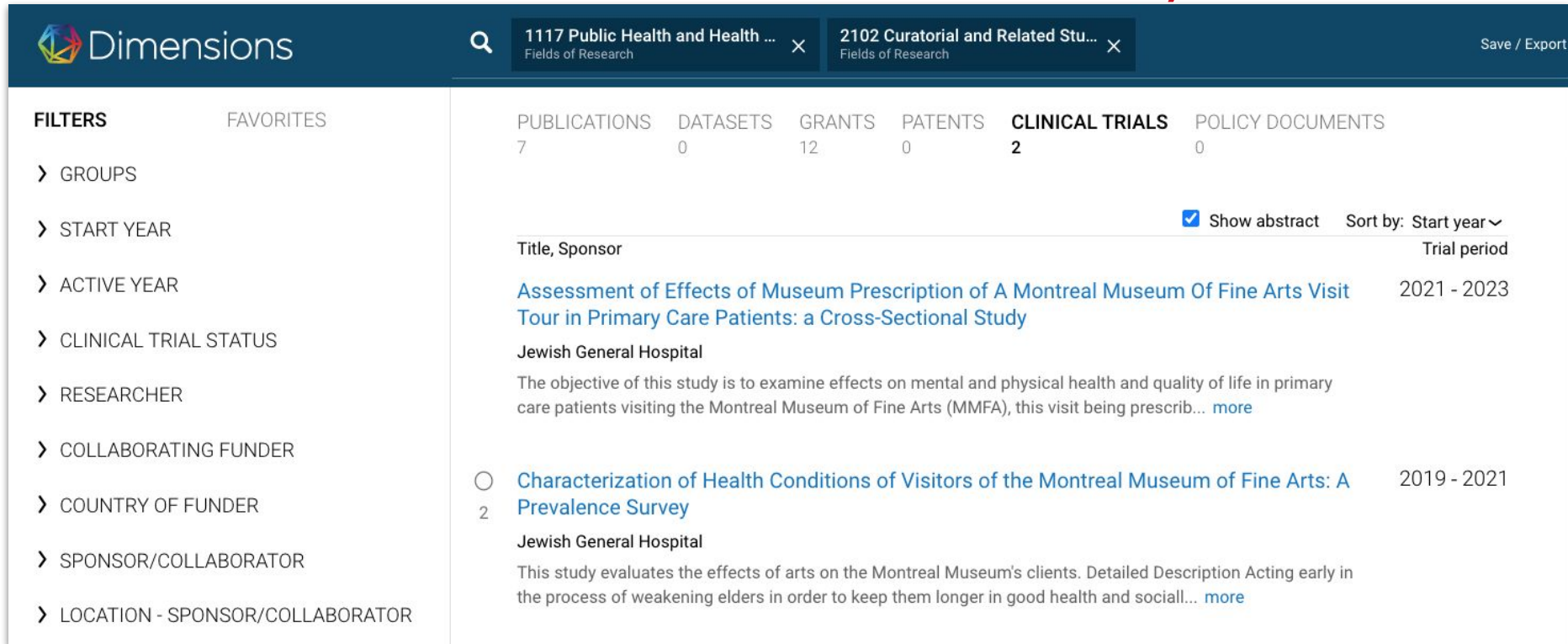
Different machine learning based classifications in Dimensions

Fields of Research

- General classification covering all areas of research
- Multiple assignments possible
- 2-digits and 4-digits level realised in Dimensions
- Provides a general view on disciplines



'2102 Curatorial and Related Studies' and '1117 Public Health and Health Services' - two clinical trials underway!



The screenshot shows the Dimensions database interface. At the top, there are two search filters: '1117 Public Health and Health ...' and '2102 Curatorial and Related Stu...'. The main content area displays a list of clinical trials. The first trial is 'Assessment of Effects of Museum Prescription of A Montreal Museum Of Fine Arts Visit Tour in Primary Care Patients: a Cross-Sectional Study' by Jewish General Hospital, with a trial period of 2021-2023. The second trial is 'Characterization of Health Conditions of Visitors of the Montreal Museum of Fine Arts: A Prevalence Survey' by Jewish General Hospital, with a trial period of 2019-2021. The interface includes a sidebar with filters, a top navigation bar, and a table of results.

PUBLICATIONS	DATASETS	GRANTS	PATENTS	CLINICAL TRIALS	POLICY DOCUMENTS
7	0	12	0	2	0

Title, Sponsor	Trial period
Assessment of Effects of Museum Prescription of A Montreal Museum Of Fine Arts Visit Tour in Primary Care Patients: a Cross-Sectional Study Jewish General Hospital The objective of this study is to examine effects on mental and physical health and quality of life in primary care patients visiting the Montreal Museum of Fine Arts (MMFA), this visit being prescrib... more	2021 - 2023
Characterization of Health Conditions of Visitors of the Montreal Museum of Fine Arts: A Prevalence Survey Jewish General Hospital This study evaluates the effects of arts on the Montreal Museum's clients. Detailed Description Acting early in the process of weakening elders in order to keep them longer in good health and social... more	2019 - 2021

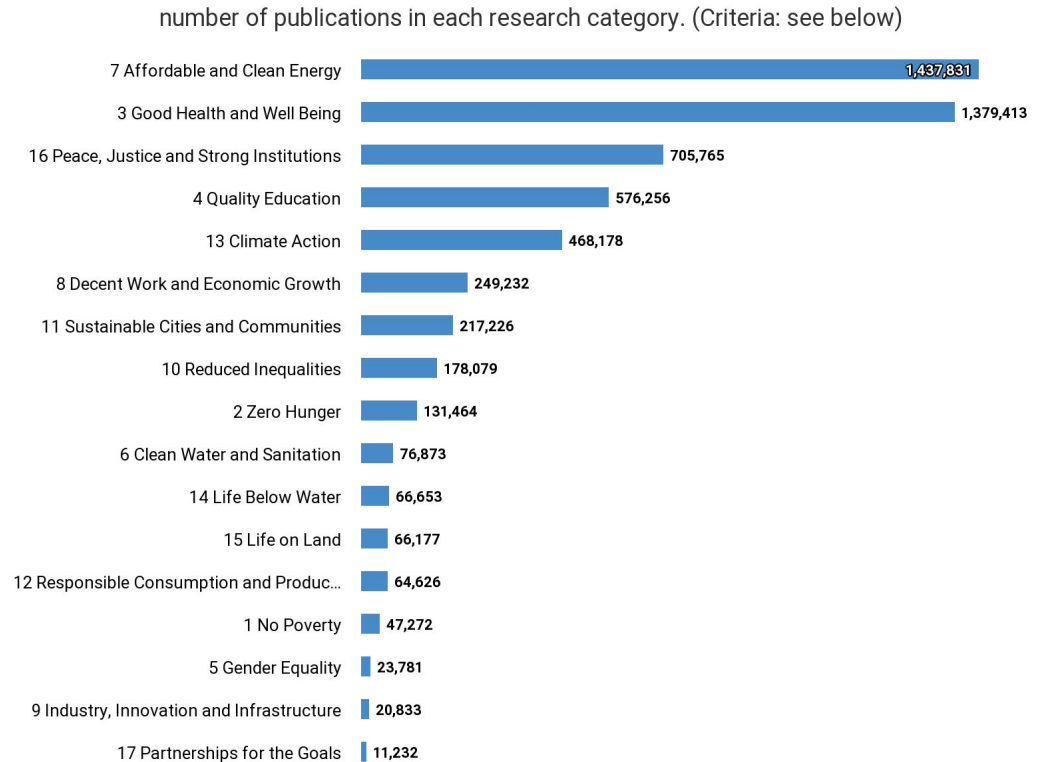
Different machine learning based classifications in Dimensions

17 Sustainable Development Goals General classification covering all areas of research(SDGs)

- Designed to focus on specific impacts of policy, community, behavioural or research activities
- Machine learning based implementation with harsh thresholds 'since it is complicated'
- In the research context, SDGs hint at impact
- Out of 113M, 5,433,745 research outputs have one or several SDGs assigned



Distribution of SDGs assigned to research outputs in Dimensions



Source: <https://app.dimensions.ai>
 Exported: November 15, 2020
 Criteria: none.

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Intersection of FORs and SDGs

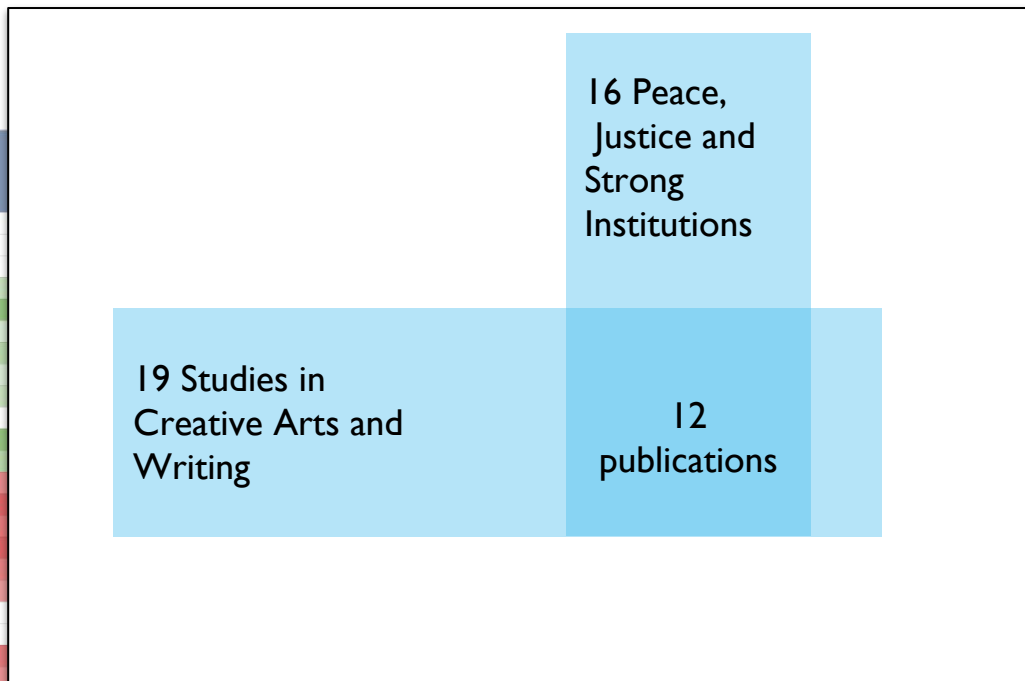


UNIVERSITY OF CAMBRIDGE	SDGs																
	01 No Poverty	02 Zero Hunger	03 Good Health and Well Being	04 Quality Education	05 Gender Equality	06 Clean Water and Sanitation	07 Affordable and Clean Energy	08 Decent Work and Economic Growth	09 Industry, Innovation and Infrastructure	10 Reduced Inequalities	11 Sustainable Cities and Communities	12 Responsible Consumption and Production	13 Climate Action	14 Life Below Water	15 Life on Land	16 Peace, Justice and Strong Institutions	17 Partnerships for the Goals
01 Mathematical Sciences		2	33	2			114	4		37	7	3	19		3	10	
02 Physical Sciences			15	1	1		422	4		13	7	1	37		1	4	
03 Chemical Sciences		2	36	1		1	729	1		1	18	11	81	1			
04 Earth Sciences	2	3	10	3	1	4	36	1		2	25	1	783	36	13	5	
05 Environmental Sciences	8	18	38	4		10	78	6	1	3	56	8	263	45	383	23	2
06 Biological Sciences	1	51	502	14		14	166	7		6	16	16	331	73	264	30	
07 Agricultural and Veterinary Sciences	3	26	93		1	7	11	2		1	6	11	44	4	52	9	
08 Information and Computing Sciences	1	4	66	28		1	172	11	14	11	22	21	19		2	37	1
09 Engineering	2	10	35	20		10	1543	12	23	6	110	51	366	1	10	14	
10 Technology		1	8	3			139	3		1	4	4	10			2	
11 Medical and Health Sciences	13	128	2336	164	5	26	99	35	5	153	58	10	39	3	12	190	1
12 Built Environment and Design	3	3	5	7		1	85	9	6	3	87	2	45	1	2	8	1
13 Education	3	3	6	378	5	1	6	11		25	2		2		1	36	2
14 Economics	40	15	28	8	6	6	181	284	18	126	40	10	147	2	36	76	3
15 Commerce, Management, Tourism and Services	5	1	11	7	5	2	46	99	13	25	20	51	35		1	57	4
16 Studies in Human Society	40	22	57	85	28	7	85	119	8	178	122	10	86	6	29	722	18
17 Psychology and Cognitive Sciences	4	9	106	90	1	1	7	10	1	19	5	2	16	1	3	138	1
18 Law and Legal Studies	1	2	10	3	3	1	11	23	1	19	1	1	23	6	3	620	3
19 Studies in Creative Arts and Writing				7			2	2			2		2		1	12	
20 Language, Communication and Culture		1	6	52	4			6		11	6		6		1	69	1
21 History and Archaeology	5	5	18	17	1	5	6	24		26	14	1	36	3	4	303	
22 Philosophy and Religious Studies	2	2	13	22	1		2	10		19	1		7	1		127	1

FORs

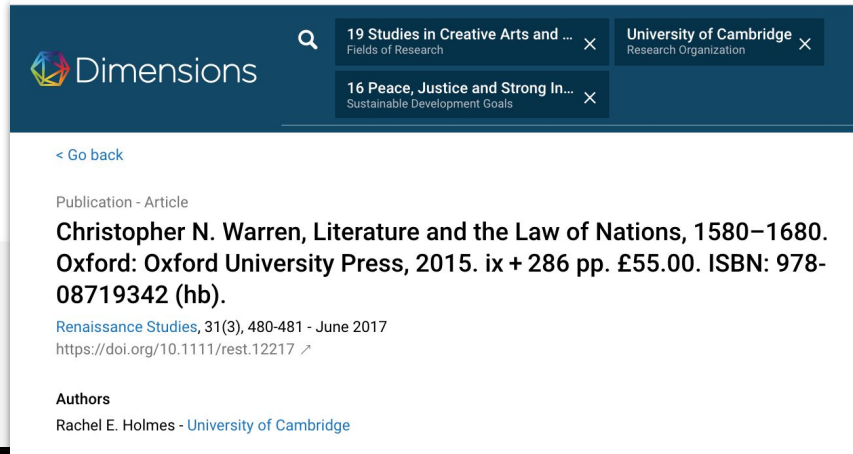
Intersection of FORs and SDGs

UNIVERSITY OF CAMBRIDGE	01 No Poverty
01 Mathematical Sciences	
02 Physical Sciences	
03 Chemical Sciences	
04 Earth Sciences	2
05 Environmental Sciences	8
06 Biological Sciences	1
07 Agricultural and Veterinary Sciences	3
08 Information and Computing Sciences	1
09 Engineering	2
10 Technology	
11 Medical and Health Sciences	13
12 Built Environment and Design	3
13 Education	3
14 Economics	40
15 Commerce, Management, Tourism and Services	5
16 Studies in Human Society	40
17 Psychology and Cognitive Sciences	4
18 Law and Legal Studies	1
19 Studies in Creative Arts and Writing	
20 Language, Communication and Culture	
21 History and Archaeology	5
22 Philosophy and Religious Studies	2



01 No Poverty	13 Climate Action	14 Life Below Water	15 Life on Land	16 Peace, Justice and Strong Institutions	17 Partnerships for the Goals
19			3	10	
37			1	4	
81	1				
783	36	13	5		
263	45	383	23		2
331	73	264	30		
44	4	52	9		
19		2	37	1	
366	1	10	14		
10			2		
39	3	12	190	1	
45	1	2	8	1	
2		1	36	2	
147	2	36	76	3	
35		1	57	4	
86	6	29	722	18	
16	1	3	138	1	
23	6	3	620	3	
2		1	12		
6		1	69	1	
36	3	4	303		
7	1		127	1	

Bringing literature research and international law together



Dimensions

19 Studies in Creative Arts and ...
Fields of Research

University of Cambridge
Research Organization

16 Peace, Justice and Strong In...
Sustainable Development Goals

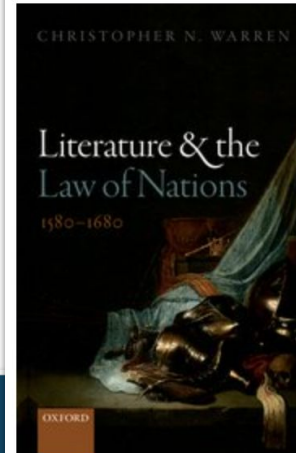
[Go back](#)

Publication - Article

Christopher N. Warren, Literature and the Law of Nations, 1580-1680.
Oxford: Oxford University Press, 2015. ix + 286 pp. £55.00. ISBN: 978-08719342 (hb).

[Renaissance Studies](#), 31(3), 480-481 - June 2017
<https://doi.org/10.1111/rest.12217>

Authors
Rachel E. Holmes - [University of Cambridge](#)



Literature and the Law of Nations, 1580-1680

Christopher N. Warren

- Develops a rich interdisciplinary argument by drawing from literary scholarship, legal scholarship, the history of reading, and the history of international political thought
- Places literary form at the center of early modern debates over global legalities
- Charts a new literary history of international law in the age of Shakespeare, Milton, Grotius, and Hobbes
- Argues that the field of law and literature has tacitly accepted tendentious but politically consequential assumptions about whether international law is "real" law
- Offers powerful revisionist readings of texts including Sidney's *New Arcadia*, Shakespeare's *The Winter's Tale*, Bacon's *Aphorismi de Jure Gentium*, Hobbes's *Thucydides*, Milton's *Paradise Lost* and *Samson Agonistes*, and Grotius' *Sophompaneas*.

Music education and social justice...

The screenshot shows the Dimensions research platform interface. At the top, there is a navigation bar with the Dimensions logo, a search icon, and several filters: '19 Studies in Creative Arts and ... Fields of Research', 'University of Cambridge Research Organization', and '16 Peace, Justice and Strong In... Sustainable Development Goals'. Below the navigation bar, there is a '< Go back' link. The main content area displays the publication title 'Justifying music in the national curriculum: The habit concept and the question of social justice and academic rigour' in bold. Below the title, it shows the journal 'British Journal of Music Education, 37(1), 3-15 - March 2020' and the DOI 'https://doi.org/10.1017/s0265051718000098'. The authors section lists 'Elizabeth Bate - University of Cambridge'. The abstract section is titled 'Abstract' and contains the text: 'Abstract In June 2015, the British government presented 'the social justice case for an academic curriculum' as the justification for recent radical changes to educational policy. However, this justification failed to account for both the key changes in the newly-revised National Curriculum for Music and the place of music in the National Curriculum as a whole. Through a critical evaluation of the National Curriculum for Music, this study will propose how the place of music could successfully be justified within an education system wholly committed to'. There is a 'More' link below the abstract. On the right side, there are several action buttons: 'Open Access', 'Add to Library', 'Add to ORCID', 'Share', and 'Export citation'. Below these buttons, there is a 'Research Categories' section with sub-sections: 'Fields of Research' (listing 13 Education, 19 Studies in Creative Arts and Writing, 1302 Curriculum and Pedagogy, 1303 Specialist Studies In Education, 1904 Performing Arts and Creative W), 'Units of Assessment' (listing C23 Education), and 'Sustainable Development Goals' (listing 16 Peace, Justice and Strong Institutions). At the bottom right, there is an 'External sources' section with a link 'Full text at publisher site'. The bottom of the page features a 'Publication references - 18' section with a 'Show all' link and 'Sorted by: Date'. The first reference is 'The Evolution of Music Education Philosophy from Utilitarian to Aesthetic' by Michael L. Mark, published in 2017 in 'Critical Essays in Music Education - Chapter'. Below the reference, there is a 'Citations' section showing '1' citation and an 'Add to Library' button. The page also features a 'Philosophy of Music Education' link at the bottom.

Intersection of FORs and SDGs

 UNIVERSITY OF OXFORD	01 No Poverty	02 Zero Hunger	03 Good Health and Well Being	04 Quality Education	05 Gender Equality	06 Clean Water and Sanitation	07 Affordable and Clean Energy	08 Decent Work and Economic Growth	09 Industry, Innovation and Infrastructure	10 Reduced Inequalities	11 Sustainable Cities and Communities	12 Responsible Consumption and Production	13 Climate Action	14 Life Below Water	15 Life on Land	16 Peace, Justice and Strong Institutions	17 Partnerships for the Goals
01 Mathematical Sciences	2		48	2	1	2	99	3	1	51	10	3	43	3		23	
02 Physical Sciences			32	7			364	1	1	23	1		34			5	
03 Chemical Sciences		4	65	6		4	452			8	5	4	63	6	1	1	
04 Earth Sciences	1	9	20	1		25	57	3		7	13	2	915	58	17	6	1
05 Environmental Sciences	14	32	54	4		35	42	11	1	6	23	9	408	71	404	42	2
06 Biological Sciences	7	54	811	17	1	16	130	7		10	13	9	449	101	323	39	1
07 Agricultural and Veterinary Sciences	7	34	75	2		5	20	5	1	6	5	9	77	12	56	9	
08 Information and Computing Sciences	4	1	129	28	1	1	104	7	12	14	17	7	31	2	2	41	
09 Engineering	5	60	48	14		31	893	6	8	9	37	18	301	4	5	8	1
10 Technology	2		27	3			67		2	1	1		2		1	4	1
11 Medical and Health Sciences	59	307	6291	223	17	52	73	103	3	234	83	12	119	3	14	356	10
12 Built Environment and Design	4	3	11	2		7	49	6		8	58	3	38		4	12	
13 Education	6	48	6	328	4	1	1	8		24	4	1	4	1		26	1
14 Economics	95	25	77	29	6	27	145	382	8	278	32	16	162	4	22	183	6
15 Commerce, Management, Tourism and Services	3	4	13	10	5	1	28	110	3	48	44	22	56		4	88	2
16 Studies in Human Society	98	37	116	112	61	20	118	242	3	342	111	16	192	2	22	999	13
17 Psychology and Cognitive Sciences	12	11	118	126	3		6	18		29	13	1	14		3	168	
18 Law and Legal Studies	3	3	15	6	10	3	11	25	2	23	6		27	11	5	753	
19 Studies in Creative Arts and Writing			3	4				3		1	1	1	3		1	11	
20 Language, Communication and Culture	1	2	12	49	6	3		17		16	3	4	4		4	139	
21 History and Archaeology	2	6	17	8	5	3	10	18		22	8		45	1	5	338	
22 Philosophy and Religious Studies	11	3	35	19	6	2	3	16	1	51	6	1	12		1	307	

Intersection of FORs and SDGs

 <small>LUDWIG-MAXIMILIANS-UNIVERSITÄT MÜNCHEN</small>	01 No Poverty	02 Zero Hunger	03 Good Health and Well Being	04 Quality Education	05 Gender Equality	06 Clean Water and Sanitation	07 Affordable and Clean Energy	08 Decent Work and Economic Growth	09 Industry, Innovation and Infrastructure	10 Reduced Inequalities	11 Sustainable Cities and Communities	12 Responsible Consumption and Production	13 Climate Action	14 Life Below Water	15 Life on Land	16 Peace, Justice and Strong Institutions	17 Partnerships for the Goals
01 Mathematical Sciences		3	18	3			24	1		12	4	1	9			4	
02 Physical Sciences		2	14	2			305	1		3	5	1	17		1	4	
03 Chemical Sciences	1		21	1		1	161	2		1	8	2	11				
04 Earth Sciences		2	3	2		12	29	1			11		168	14	3		
05 Environmental Sciences		8	6	1		6	13	1		1	10	1	47	9	22	1	
06 Biological Sciences		18	186	5		2	97	4		3	10	3	73	18	22	7	
07 Agricultural and Veterinary Sciences		13	76	1		2	7					2	10	1	4		
08 Information and Computing Sciences	1	1	20	18			33	5	13	3	5	3	11			7	2
09 Engineering	1	5	23	3		7	111		3		12	2	34	1	5	1	
10 Technology			6	1			24						3		1	2	
11 Medical and Health Sciences	2	64	1461	104	6	9	44	15	1	20	29	4	13			72	
12 Built Environment and Design		1		1			5		1	3	3		3				
13 Education			1	132			1			3	1		1				
14 Economics	7	7	22	9	2	2	21	114	4	62	5		16		1	46	
15 Commerce, Management, Tourism and Services			5	2	1		5	34		6	1	3	4			20	
16 Studies in Human Society	4	4	14	14	9		8	21	1	27	8	1	17	2	1	122	
17 Psychology and Cognitive Sciences	1	3	42	57			4	11		6	3		6			55	
18 Law and Legal Studies			5					3		1	1		1	2		84	
19 Studies in Creative Arts and Writing			1	1				1		1	1				1	14	
20 Language, Communication and Culture			3	9				2		2		2				32	
21 History and Archaeology		1	3	3			1	1		4	1		2			29	
22 Philosophy and Religious Studies			5	3	1					1						24	

Primary or/and secondary outputs?

Would publications on publications and their impact solve some of the challenges of the SSH disciplines?

Explicit expression of impact instead of metrics as a proxy?

- Social Sciences and Humanities are resisting the urge for simple indicators
- While not possible as a broad stroke approach - the explicit communication of the impact of SSH research activities provides the opportunity to connect the dots
- Used in different places already
 - Grant funding schemes where different reports reflecting on the research activities are required
 - Impact case studies in REF exercise in the UK

Project with UKRI, King's College and Digital Science

<https://impact.ref.ac.uk/casestudies/>

Search REF Impact Case Studies

Browse the index below or search all Case Studies using keywords [e.g. "NHS"].

Learn about [advanced search options](#) and read our [Terms of Use](#).

Browse the index

[Submitting Institution](#) [Unit of Assessment](#) [Summary Impact Type](#) [Research Subject Area](#) [Impact UK Location](#) [Impact Global Location](#)

Research Subject Area

Mathematical Sciences (404)	Physical Sciences (248)	Chemical Sciences (345)
Pure Mathematics (29)	Astronomical and Space Sciences (45)	Analytical Chemistry (82)
Applied Mathematics (142)	Atomic, Molecular, Nuclear, Particle and Plasma Physics (97)	Inorganic Chemistry (66)
Numerical and Computational Mathematics (42)	Classical Physics (1)	Macromolecular and Materials Chemistry (89)
Statistics (255)	Condensed Matter Physics (5)	Medicinal and Biomolecular Chemistry (1)
Mathematical Physics (1)	Optical Physics (27)	Organic Chemistry (49)
	Quantum Physics (2)	Physical Chemistry (incl. Structural) (162)
	Other Physical Sciences (177)	Theoretical and Computational Chemistry (30)
		Other Chemical Sciences (58)
Earth Sciences (212)	Environmental Sciences (220)	Biological Sciences (460)
Atmospheric Sciences (41)	Ecological Applications (39)	Biochemistry and Cell Biology (184)
Geochemistry (35)	Environmental Science and Management (201)	Ecology (117)
Geology (62)	Soil Sciences (28)	Evolutionary Biology (6)
Geophysics (31)		Genetics (181)
Oceanography (54)		Microbiology (25)
Physical Geography and Environmental Geoscience (85)		Physiology (3)
Other Earth Sciences (1)		Plant Biology (27)
		Zoology (8)
		Other Biological Sciences (21)
Agricultural and Veterinary Sciences (123)	Information and Computing Sciences (630)	Engineering (695)
Agriculture, Land and Farm Management (12)	Artificial Intelligence and Image Processing (380)	Aerospace Engineering (25)
Animal Production (20)	Computation Theory and Mathematics (146)	Automotive Engineering (10)
Crop and Pasture Production (31)	Computer Software (99)	Biomedical Engineering (66)
Fisheries Sciences (25)	Data Science (18)	Chemical Engineering (52)

Quite a few case studies amongst the 6,637 falls into SSH categories

Studies In Human Society (1291)

Anthropology	(32)
Criminology	(130)
Demography	(52)
Human Geography	(57)
Policy and Administration	(734)
Political Science	(270)
Social Work	(47)
Sociology	(360)
Other Studies In Human Society	(40)

Studies In Creative Arts and Writing (398)

Art Theory and Criticism	(26)
Film, Television and Digital Media	(267)
Journalism and Professional Writing	(31)
Performing Arts and Creative Writing	(117)
Visual Arts and Crafts	(37)
Other Studies In Creative Arts and Writing	(12)

Philosophy and Religious Studies (260)

Applied Ethics	(38)
History and Philosophy of Specific Fields	(38)
Philosophy	(85)
Religion and Religious Studies	(129)
Other Philosophy and Religious Studies	(5)

Language, Communication and Culture (1095)

Communication and Media Studies	(7)
Cultural Studies	(797)
Language Studies	(36)
Linguistics	(108)
Literary Studies	(613)
Other Language, Communication and Culture	(9)

History and Archaeology (970)

Archaeology	(102)
Curatorial and Related Studies	(150)
Historical Studies	(867)

A Contribution to Commemorating and Learning From the 1994 Rwanda Genocide

Submitting Institution University of Nottingham	Unit of Assessment Modern Languages and Linguistics	Summary Impact Type Societal
Research Subject Area(s) Language, Communication and Culture: Cultural Studies, Literary Studies History and Archaeology: Historical Studies		Download original Download PDF
View similar case studies		

Summary of the impact

Hitchcott's research on the relation between textual and material commemorations of the 1994 Rwanda genocide has benefited survivors and rescuers whose experiences form the basis of the Francophone African novels on which she publishes. As a result of her leadership of a research collaboration between The University of Nottingham and The Aegis Trust, a leading Nottinghamshire-based NGO dedicated to the prevention of genocide through education, an AHRC Collaborative Doctoral Award has ensured that:

- the stories of Rwandan survivors and rescuers are more accurately preserved in Genocide Archive Rwanda in Kigali
- their stories are digitally available worldwide through the new Rwanda Archive and Education Programme of The Shoah Foundation (the American partner of Aegis), following the selection, translation and editing by Hitchcott's CDA-holder of 50 Rwanda genocide testimonies
- authentic survivor testimonies can be accessed by school teachers for use in teaching about crimes against humanity
- the quality of evidence available to historians of the 1994 Rwanda genocide has improved
- the quality of materials available to the general public, within Rwanda and worldwide, for understanding and learning from the genocide has been enhanced.

Underpinning research

The research underpinning the impact was carried out between 2006 and 2013 by Dr Nicki Hitchcott, Associate Professor and Reader in African Francophone Studies. Since appointment in 1993, Hitchcott's research has centred on Sub-Saharan Francophone Africa; she has published two monographs on Francophone African women's writing and supervised seven PhD students on Francophone African topics. Her post-2006 research on the 1994 Rwanda genocide (*Rwanda genocide stories: fictional responses and survivor testimonies* [5.1]) has emerged from this context; it has been enriched by on-going dialogue with two doctoral students currently working under her supervision on Rwandan women's testimonies of the genocide, as well as by collaboration with a wider interdisciplinary network of Nottingham-based Rwanda specialists.

In 1994, in 100 days, around a million Rwandans were systematically killed. In 2006, Hitchcott began a project on commemorative responses to this genocide. Her research on the way it has been documented and remembered inside Rwanda has focused on fictional writing produced after 1994, in particular nine texts by a group of ten African authors who travelled in 1998 to Kigali, the Rwandan capital, to reflect on and write about the still recent genocide. This collective literary mission was known as 'Rwanda: Writing with a Duty to Remember' [3.1]. Hitchcott's research has led to a series of articles concentrating in turn on different commemorative texts published in response to the 1994 genocide [3.2-3.5]. In particular she has uncovered a marked preoccupation in the commemorative fictional works with the memorial museums (Murambi, Nyamata and Ntarama) that have been constructed by the Rwandan government in commemoration of the genocide. For example, 'Writing on Bones: Commemorating Genocide In Bouabac Boris Diop's *Murambi*' [3.2] analyses the relationship between a fictional text that commemorates the massacre at Murambi and the Murambi genocide memorial in Rwanda that is managed by The Aegis Trust [5.1; 5.2].

Key findings of Hitchcott's research include:

- The centrality of memorial museums as the subject matter of fictional commemorations [3.2]
- The importance of fictional writing as a medium for capturing, working through, and communicating memories of genocide [3.1-3.5]
- The importance of testimonial narratives (both oral and written) in preserving memories of genocide and educating the world about what happened in Rwanda in 1994 [3.4]
- The importance of witnesses, both real and fictional [3.2; 3.3; 3.4; 3.5]
- The crucial role of oral and written texts by Rwandan people in challenging official narratives on the genocide [3.4; 3.5]

References to the research

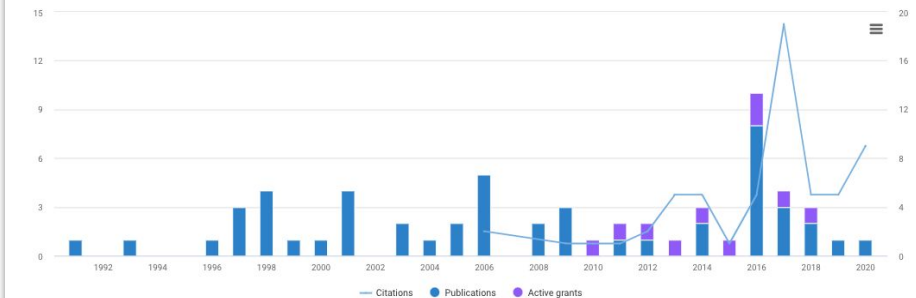
3.1 HITCHCOTT, N., 2009a. 'A Global African Commemoration — Rwanda: *écrire par devoir de mémoire*', *Forum for Modern Language Studies* 45:2, 151-161. (doi: 10.1093/fmls/cap003)

[< Go back](#)

Nicki Hitchcott

University of St Andrews - St Andrews, United Kingdom

Publications 50 Citations 61	Datasets 0	Grants 3 Funding amount USD 964 K	Patents 0 Clinical Trials 0
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About

Fields of Research

- 20 Language, Communication and Culture
 - 2005 Literary Studies
 - 2002 Cultural Studies
 - 2003 Language Studies
 - 2004 Linguistics
- [More](#)

Concepts

- genocide
 - Rwanda
 - fiction
 - chapter
 - survivor
- [More](#)

Experience

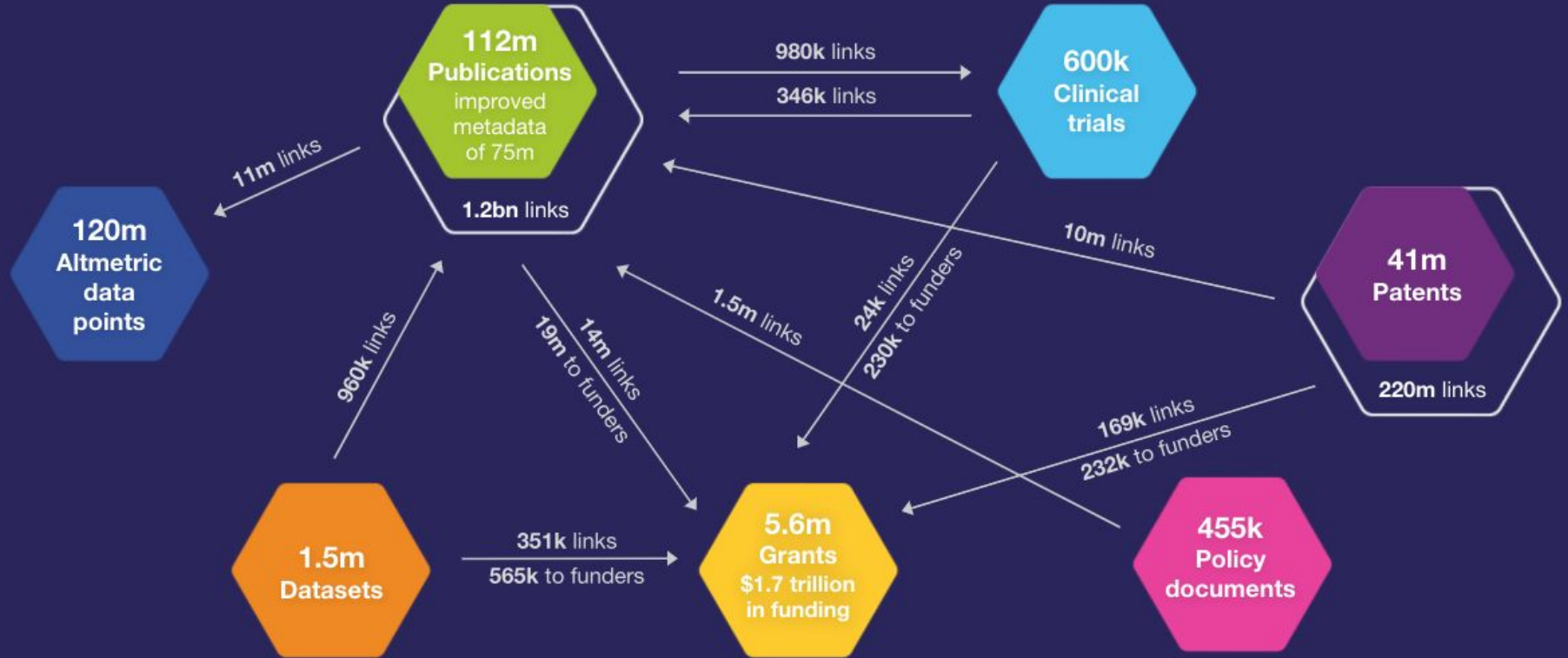
- 2016-09-01 - present
University of Saint Andrews-Saint Andrews, GB
Professor, Modern Languages
- 1993 - 2016
University of Nottingham-Nottingham, GB
Professor/Associate Professor/Lecturer, French and Francophone Studies
- 1992 - 1993
University of Leeds-Leeds, GB
Lecturer, French

Lifting technical barriers - an opportunity?

Dimensions on Google BigQuery provides access to all the underlying data - a playground for creativity

 Dimensions +  Google Big Query

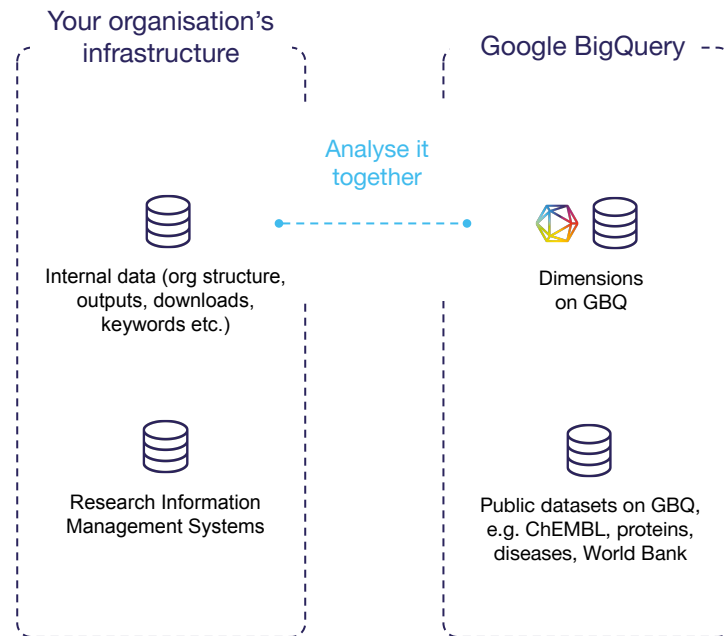
Direct access to all the underlying data



Create broader context:

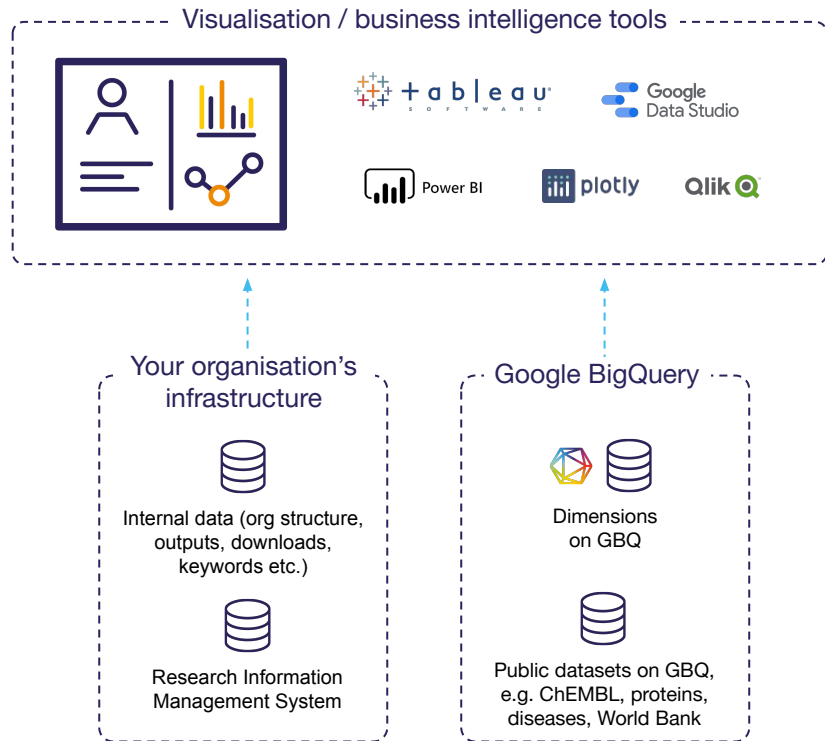
Add your own data

- Join with your own internal datasets securely
- Expand to other public & private datasets, possibly specific for Social Science and Arts and Humanities



Do all this with the tools you already use

- Direct connectors to BI & data viz tools.
- Programmatic access via client libraries.



Example of a dynamic dashboard build on top of Dimensions on GBQ and Google Data Studio

Organization report for National Autonomous University of Mexico

Contents

Overview of your organization

Sustainable Development Goals

Funding report

Key records

Dimensions includes all of the research activity from your organization, and worldwide, not just with publications and citations, but grants, patents, clinical trials, datasets and much more. In this short overview report we wanted to give you a taste of what is possible in three different areas - your organization as a whole, your publication activity across the United Nations Sustainable Development Goals, and an overview of current grant funding held at your organization. For more information on any area, please do not hesitate to [contact us](#).

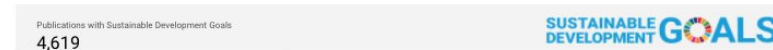
Overview - National Autonomous University of Mexico

Publications and records from 2009-2020. Does not include related institutes - may be lower than the actual figure for the complete organization.

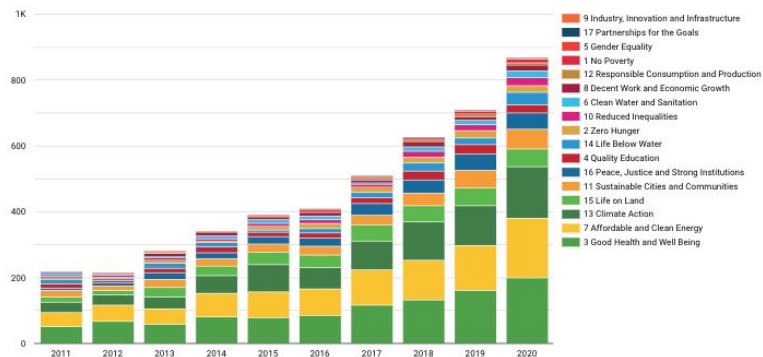


Sustainable Development Goals

Publications from 2009-2020 in Dimensions.



Number of publications per year and SDG



What does that mean for looking at impact assessment and indicators for Social Science and Arts and Humanities?

The data is available - and not only publications, also grant funding from more than 500 funders globally

The data is ready to be wrangled - e.g. with GBQ, it is possible to scope out discipline specific citation graphs

The data waits for indicator inventions - the infrastructure to implement and disseminate them is available

The data is ready for quick, topic and discipline specific dashboards - using standard BI tools like Tableau to bring down barriers

Back to questions and
answers....

What did I cover with all of these slides...

01	Improved coverage, also benefiting the Social Sciences and Arts&Humanities	<ul style="list-style-type: none">• With Dimensions, we did a first step to improve it, but it is an ongoing effort
02	Getting perspectives on the content available and achievements	<ul style="list-style-type: none">• Journal lists as 'authoritative filters'• Article level classifications (FOR for fields, SDGs for impact) as an example what is possible• Identification of relevant SSH outputs
03	Secondary publications on impact for specific cases	<ul style="list-style-type: none">• Suitable approach for 'lighthouse' outputs
04	Lowering access barriers to the raw data to unleash academic creativity	<ul style="list-style-type: none">• Available for indicator development and dissemination• Allows even the construction of discipline specific citation graphs easily

Thank you!

Christian Herzog, MD, c.herzog@digital-science.com

Co-founder Dimensions