## Impact of Social Sciences & Humanities

4-5 October 2018, Copenhagen

Gemyse 1, 13.45-15.00

# Measurement tools

Vera Hazelwood (Chair) Mogens Sandfær Christina Lohr



## Impact of Social Sciences & Humanities

4-5 October 2018, Copenhagen

**Measurement Tools** 

# Vera Hazelwood

Chief Strategy Officer Researchfish Cambridge, UK





## Impact measurement tools

A data story by Dr Vera Hazelwood, Chief Strategy Officer

AESIS Impact of social sciences & humanities

October 2018





# What is Researchfish?

## Funders community





# What Information is Collected?

#### New knowledge

- Publications
- Research Tools and Methods
- Research Databases and Models

#### Knowledge Transfer and Exchange

- IP & Licensing
- New products (medical, software, artistic etc)
- Spin Outs

#### **Wider engagement**

- Influence on policy, practice and the public
- Engagement activities

#### **Developing human capacity and skills**

- Next destination and skills
- Awards and recognition
- Use of facilities and resources

#### **Further research and collaborations**

- Further funding
- Collaboration and partnerships

#### **Other output**

• E.g. animal use, non-academic publications, secondments, events



# Policy outcomes

# Let's focus on difficult to measure impacts: policy outcomes

In 2018, 5484 outcomes have been reported across 116 UK universities across 1032 awards of total value of £661M. Policy outcomes have been reported by around 13% awards in Social Sciences and Humanities.

How can we understand what impact these awards really have?



# Outcomes vs impact



Health, economic, educational, societal, not known, no impact



## High level data: awards level









# Outcomes vs impact

43% of all **policy outcomes** have a known **impact** at the time of submission.











# How can information inform strategy?

# Example questions

#### Can I accelerate impact?

#### Can I increase the scale of impact?

Can I improve translation of outcomes into impacts?

Can I focus on a specific sector or a geography?

Can I collect further information to help me see more patterns?



## Discussion





# Data sharing

Medical research story <u>www.researchmedia.com/amrc/ making-a-difference-impact-</u> report-2017



#### Making a difference: Impact report 2017

Chapters Website

recently that government runders have looked to assess and reward broader forms of output and impact. This report highlights that although publications accounted for the most outputs, sizeable numbers of different outputs were reported by all funders across all categories.

#### The 5 areas of impact





Combining data from different sources University databases

### Research publications databases

Open data sources

Economic and socio-economic data bases

Industrial databases



## Discussion

Would data sharing between funders, especially at the international scale, allow for better measuring and landscaping?

How can we go about combining datasets from different sources to get a fuller picture of impact?

With more research and impact data becoming available, can we use data science methods and AI to gain deeper understanding of drivers and barriers for impact? What impacts should we focus on, as applied to social sciences and humanities?



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**Measurement Tools** 

# Mogens Sandfær Head of Research Analytics, Technical University Denmark.















### SCIENTIFIC AMERICAN<sub>®</sub>

POLICY & ETHICS

## Can Humans Live Well without Pillaging the Planet?

June 1, 2018 Mark Fischetti, Federica Fragapane

## We need Science (Science = Research)

# We need Science Good Science

# We need Science Good Science

## Open Science = Science done right



#### **Carlos Moedas, EU:**

"Making our science and innovation more open and international will help Europe respond to the challenges of globalisation and social sustainability that the Commission has recently highlighted.

We should stand up in science and innovation to shape a truly inclusive globalisation."



#### Europe's Future: Open Open Science Open to the World



# EU Open Science Agenda

- 1. FAIR and open data
- 2. European Open Science Cloud
- 3. Next Generation Metrics
- 4. Open Access & Future of Scholarly Communication
- 5. Open Science Skills
- 6. Open Science Rewards
- 7. Research Integrity
- 8. Citizen Science

As presented by JC Burgelman, DG RTD, at EARMA Leadership Event, April 18-20, 2018

# + EU Open Science Agenda

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# Open Access to publications

- Clearly the simplest requirement to fulfill
- Publications are relatively well understood objects
- We have decades of experience in documenting and analyzing publications and their contexts
- But the concept of Open Access needs a bit clearing-up
  - Any form of electronic access without payment?
    - Even transient forms, lasting only for weeks, months?
  - Only sustainable/permanent forms of Open Access?
    - Trusted repositories
  - Any post peer-review version, or only (a) certain version(s)


# FAIR Data & Reproducibility

## A substantial challenge

- **Findable** Documented with rich metadata and unique identifier
- Accessible Data and metadata must be easily retrieved
- Interoperable Understandable language & common vocabularies
- **Reusable** Clear license to reuse & even richer metadata to enable this

### **Reproducibility:**

- + FAIR Software code
- + FAIR Research protocols

# FAIR Data & Reproducibility

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### **Reproducibility:**

- + FAIR Software code
- + FAIR Research protocols

Substantial effort. Involving many actors. Requiring standards, collaboration, resources, and incentives



# + Publication centric approach ?



# But for rewarding researchers (affecting careers) a high level of precision is needed

- An AUTHOR is not an AUTHOR is not an AUTHOR
  - At least not in many cases
- And some are not credited as AUTHORS at all
- There is quite some

+

- Fog Inflation Omission in authorship attribution
- To reward Open Science efforts correctly
  - We need to understand where credit is due

# **•** Fog, Inflation, Omission

# Fog



## nature International weekly journal of science

Home News & Comment Research Careers & Jobs Current Issue Archive Audio & Video For Au

### Physics paper sets record with more than 5,000 authors

Detector teams at the Large Hadron Collider collaborated for a more precise estimate of the size of the Higgs boson.

#### Davide Castelvecchi

#### 15 May 2015



Thousands of scientists and engineers have worked on the Large Hadron Collider at CERN.

CERN

## Fog, Inflation, Omission

A Fermilab approach described by Biagoli in Scientific Authorship, 2003

- Standard author list, updated twice a year:
  - 1. **Researchers** with a PhD are included if they devote 50% of their time to an experiment
  - 2. Graduate students are included if they work full time on an experiment
  - **3. Technicians** are included if they make major contributions to the experiment.
- Those who leave an experiment remain authors of resulting papers for a year after they leave.
- Authorship = "credits for accumulated labor"

# Fog

## **Unlocking Research**

CAMBRIDGE

University of Cambridge Office of Scholarly Communication

## The case for Open Research: the authorship problem

This is the second in a blog series about why we need to move towards Open Research. The first post about the mis-measurement problem considered issues with assessment. We now turn our attention to problems with authorship. Note that as before this is a topic of research in itself – and there is a rich vein of literature to be mined here for the interested observer.

Sugimoto asked: What does 'authorship' mean when there are more authors than words in a document? This type of mass authorship raises concerns about fraud and attribution. Who is responsible if something goes wrong?

#### The authorship 'proxy for credit' problem

Of course not all of those 5,000 people actually contributed to the *writing* of the article – the activity we would normally associate with the word 'authorship'. **Scientific authorship does not follow the logic of literary authorship because of the nature of what is being** written about.

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COMMENT

Credit where credit is due

Liz Allen, Amy Brand, Jo Scott, Micah Altman and Marjorie Hlava are trialling digital taxonomies to help researchers to identify their contributions to collaborative projects.

R esearch today is rarely a one-person job. Original research papers with a single author are — particularly in the life sciences — a vanishing breed. Partly, the inflation of author numbers on papers has Through the endorsement of individuals' contributions, researchers can start to move beyond 'authorship' as the dominant measure of esteem. For funding agencies, better information about the contributions of grant applicants would aid the decision-making journal articles could be classified using a 14-role taxonomy (see 'Who did what?'). The survey was sent to 1,200 corresponding authors of work published in PLOS journals, Nature Publishing Group journals, Elsevier journals, Science and eLife. Corresponding authors were asked to indicate the contribu-

Nature 508, 312–313 (17 April 2014) doi:10.1038/508312a



## CRediT

CRediT is high-level taxonomy, including 14 roles, that can be used to represent the roles typically played by contributors to scientific scholarly output. The roles describe each contributor's specific contribution to the scholarly output.

## Background

CRediT grew from a practical realization that bibliographic conventions for describing and listing authors on scholarly outputs are increasingly outdated and fail to represent the range of contributions that researchers make to published output. Furthermore, there is growing interest among researchers, funding agencies, academic institutions, editors, and publishers in increasing both the transparency and accessibility of research contributions.

https://casrai.org/credit/



- 1. Conceptualization
- 2. Data curation 🚔
- 3. Formal analysis
- 4. Funding acquisition
- 5. Investigation
- 6. Methodology
- 7. Project administration

- 8. Resources
- 9. Software
- 10. Supervision
- 11. Validation
- 12. Visualization
- 13. Writing original draft
- 14. Writing review & editing



Clip from mailing list of:

 Danish Forum for Research Data Managers CASRAI

CRT

Home Dur Work Our Community 🔽 Subscribe

## CRediT

CRediT is high-level taxonomy, including 14 roles, that can be used to represent the roles typically played by contributors to scientific scholarly output. The roles describe each contributor's specific contribution to the scholarly output.

#16	ROLE	DEFINITION	11
1	Conceptualization	Ideas: formulation or evolution of overarching research goals and aims.	
2	Data curation	Management activities to annotate (produce metadata), scrub data and maintain research data (including software co where it is necessary for interpreting the data itself) for initial use and later re-use.	se.
3	Fermal analysis	Application of statistical, mathematical, nal, or other formal techniques to analyse or synthesize ta	é.
4	Funding acquisition	Acquisition of the financial support for the adding to this publication.	
5	Investigation	Conducting a research and investigation	
6	Methodology	Development or design of methodology; creat	
7	Project administration	Management and coordination responsibility for the mean has	
8	Resources	Provision of study materials, reagents, materials, paresources, or other analysis tools.	
9	Software	Programming, software development: designing supporting algorithms: testing of existing code a	/
10	Supervision	Oversight and leadership responsibility for the P Data Curation Ing ment of the ore team.	8
71	Validation	Verification, whether as a part of the activity or separate, of the control of the control of the previous of the control of t	ts
12	Visualization	Preparation, creation and/or presentation of the published work.	
13	Writing - original draft	Preparation, creation and/or presentation of the published way and a substantive translation).	
14	Writing - review & editing	Preparation, creation and/or presentation of the purpose work by those from the original research group, specifically critical review, commentary or revision - including or post-publication stages.	

+ So











A systemic and a cultural change

But Open Science is just science done right

- A bit of a journey
  - Challenging, doable and rewarding
  - The sooner we start ....
- Report from the EU expert group on Open Science indicators expected end of 2018



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# Impact of Social Sciences & Humanities

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# Christina Lohr

Product Manager, SciVal at Elsevier, Netherlands



# How much momentum do bicycles have in Denmark?

AESIS - The Impact Agenda for Social Sciences & Humanities Christina Lohr – Product Manager SciVal – c.lohr@elsevier.com



## Agenda

- What is research impact?
- What tools do we have to measure societal impact?
- Making granular discoveries easier: Breaking away from subject classifications with Topic Prominence in Science for more structured insights
- Practical application on Danish research



# What could research metrics help demonstrate?



# Two Golden Rules for using research metrics

Always use both qualitative and quantitative input into your decisions

Benefit from the strengths of both approaches. Don't replace one with the other

Combining both approaches = **closer to the whole story** 

Valuable intelligence comes when these approaches **show different messages** 

Always use more than one research metric as the quantitative input

One metric's strengths can **complement** the weaknesses of others

There are many different ways of being excellent

**Using multiple metrics** drives desirable changes in behaviour (harder to game)



# SciVal in a nutshell

SciVal offers quick, easy access to the research performance of 230 nations and over 10,000 research institutions worldwide, and groups of institutions



Ready-made-at a glance snapshots of any selected entity



Flexibility to create and compare any research groups



Identify and analyze existing and potential collaboration opportunities



Analyze research trends to discover the top performers and rising stars











# Let's get granular!

- When not looking at a physical entity (e.g. an institution), users want to look at areas of research
- You either have to:
  - define your own research area (which is very unstructured), or
  - rely on journal classifications to segment papers in Scopus 334 categories
- But what if we could help the user find their topics of interest at a much more granular level?







## Introducing Topic Prominence in Science We have identified ~ 96,000 global research topics by clustering all of Scopus using direct citation linking and ranked them by **Prominence.** NEUP DENT **Prominence** is a new indicator that shows the **current** NURS **momentum** of a topic by looking at **very recent citations**, **views** HEAL PHAR **Prominence = momentum (not the same as importance!). Prominence can predict funding** – helps researchers and research managers identify topics which are likely to be well



•

•

funded.

and CiteScore values.

# First of its kind

The first truly global detailed research portfolio analysis – this has never been done before – we use all of Scopus to form topics.

• Who's leading the way – We can identify emergent topics with high momentum to understand who is currently leading the way.

CENG

MATE

- What's related We can tell you how the topics are related to your research portfolio.
- A better reflection of reality Topics are an excellent reflection of reality since they are based on citation patterns and not journal categories and are therefore truly multidisciplinary.

# What can we do with this new level of aggregation?

- Look at an institution or country
- Identify topics where they are a key contributor
- Learn more about the topics
- See who's doing what and with whom
- Identify the key researcher(s)





# Let's take a look at Denmark...



# ...and the Social Sciences in particular



# Bicycles have a lot of momentum in Denmark



# Learn more about the Topic

Bicycles; bicycle; bicycle infrastructure T.5724			
2013 to 2018 no subject area filter selected	ASJC	Data sources	
Summary Institutions Countries Authors	Scopus Sources Keyphrases Related Topics		
Overall research performance		<ul> <li>+ Add Summary to Reporting Export ∨</li> <li>+ Add to Reporting</li> </ul>	
Scholarly Output 🕸 1,521	Field-Weighted Citation Impact 🕸	International Collaboration 🕸 256	
View list of publications			
Views Count 48,992	Citation Count 鎍 6,765	Topic Prominence percentile ① 98.686	



# **Topic character**

#### Topic character

Keyphrase analysis
 Representative publications

Top 50 keyphrases by relevance, based on 1,521 publications | Learn about keyphrase calculations  $\pi$ 



What is this Topic about?

Keyphrases are derived from the article data using natural language processing.

AAA relevance of keyphrase | declining AAA growing (2013-2017)



Bicycles; bicycle infrastructure T.5724         2013 to 2018       ✓         no subject area filter selected       ✓         ASJC			Denmark is #9	
Summary Institutions Countries Authors Scopus Sources Keyphrases Relat	ed Topics		п піть торіс	
Top countries & regions				
Worldwide 🗸				
⑦ Map		+ Add to Report	ing Export 🗸	
Top 100 countries & regions in this Topic, by Scholarly Output				
✓ View on Chart				
Countries & territories	cholarly Output ↓ Collaboration ☎ [	Field-Weighte V Citation	Count 🕸 🗸	
1. 🗌 💻 United States	431 23.	0.95	1,828	
2. 🔄 🎇 United Kingdom	179 37.	4% 1.75	1,346	
3. 🔄 🛃 Australia	141 33.	3% 1.67	880	
4. 🔄 🔲 China	131 35.	0.88	388	
5. 🔄 时 Canada	119 30.	3% 1.10	669	
6. 📃 💳 Spain	69 34.	3% 1.55	522	
7. 🗌 🚍 Netherlands	66 40.	9% 1.52	598	
8. 🗌 🔚 Sweden	45 44.	4% 1.81	383	
9. Denmark	44 38.	5% 2.05	387	
10. 🔲 💵 Italy	40 32.	5% 2.27	126	

ELSEVIER

#### Publications in Denmark

AuthorsAll authors

Within: Bicycles; bicycle infrastructure T.5724 | Year range: 2013 to 2018

44 publications

Title

# Year ↑ Scopus Source Scopus Source Scopus Source 2013

	_					
Nielsen, T.A.S.	12	Mapping bicyclists' experiences in Copenhagen	Snizek, B., Sick Nielsen, T.A.,	<b>2</b> 013	Journal of Transport Geography	33
Prato, C.G.	10	> View abstract View in Scopus >	Skov-Petersen, H.			
Kaplan, S.	9	Economic impact of reduced mortality due to	Rutter, H., Cavill, N., Racioppi, F.	2013	American Journal of Preventive Medicine	16
Skov-Petersen, H.	8	increased cycling	and 3 more			
Carstensen, T.A.	6	View abstract View in Scopus 7				
Show more		Safety effects of permanent running lights for	Madsen, J.C.O., Andersen, T.,	2013	Accident Analysis and Prevention	14
> Author numbers		<ul> <li>View abstract View in Scopus n</li> </ul>	Lahrmann, H.S.			
✓ Institutions		Urban planning practices for bikeable cities - the	Nielsen, T.A.S., Skov-Petersen, H.,	2013	Urban Research and Practice	16
All institutions		case of Copenhagen	Agervig Carstensen, T.			
Technical University of Denmark	20	➤ View abstract View in Scopus A				
University of Copenhagen	14	Environmental correlates of cycling: Evaluating	Nielsen, T.A.S., Olafsson, A.S.,	2013	Transportation Research Part D: Transport and Environment	20
Aalborg University	10	urban form and location effects based on Danish micro-data	Carstensen, T.A. and 1 more			
University of Queensland	5	> View abstract View in Scopus 7				
Hebrew University of Jerusalem	3	Cyclist-motorist crash patterns in Denmark: a	Kaplan, S., Prato, C.G.	2013	Traffic injury prevention	19
Show more		latent class clustering approach.				
> Countries & regions		View abstract View in Scopus A				
Scopus Sources		Aggravating and mitigating factors associated with cyclist injury severity in Denmark	Kaplan, S., Vavatsoulas, K., Prato, C.G.	2014	Journal of Safety Research	27
> Subject Areas		➤ View abstract View in Scopus				
> Publication years		Exploring characteristics and motives of long	Hansen, K.B., Nielsen, T.A.S.	2014	Transport Policy	11
> Publication types		distance commuter cyclists ➤ View abstract View in Scopus ↗				
		Safety perceptions and reported behavior related to cycling in mixed traffic: A comparison	Chataway, E.S., Kaplan, S., Nielsen, T.A.S. and 1 more	2014	Transportation Research Part F: Traffic Psychology and Behaviour	48

Authors

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## Document details

# Find out about the societal impact

1 of 1	Metrics 🕜	View all metric								
SciVal direct export 🗸 🕹 Download 🖶 Print 🖾 E-mail 📆 Save to PDF 🧙 Save to list More >	14 6 9 0	Citations in Scopus								
Accident Analysis and Prevention Volume 50, January 2013, Pages 820-829	1.23 🛣 Fiel	d-Weighted Citation Impact								
Safety effects of permanent running lights for bicycles: A controlled experiment (Article)	Diver V Matrice									
Madsen, J.C.O.ª 🖂, Andersen, T. <sup>b</sup> , Lahrmann, H.S.ª 🛆	Usage, Captures, Mr	entions,								
<sup>a</sup> Traffic Research Group, Department of Planning, Aalborg University, Fibigerstraede 11, DK-9220 Aalborg E, Denmark <sup>b</sup> Municipality of Fredericia, Denmark	Social Media and Cit beyond Scopus.	ations								
- View references (26)	Usage Abstract Views:	1090								
Making the use of daytime running lights mandatory for motor vehicles is generally documented to have had a positive impact upon traffic safety. Improving traffic safety for bicyclists is a focal point in the road traffic safety work in Denmark. In 2004 and 2005 a controlled experiment including 3845 cyclists was carried out in Odense, Denmark in order to examine, if permanent running lights mounted	Link-outs: Captures	52								
to bicycles would improve traffic safety for cyclists. The permanent running lights were mounted to 1845 bicycles and the accident rate was recorded through 12 months for this treatment group and 2000 other bicycless, the latter serving as a control group without bicycle accidents.	Exports-Saves:	55								
recorded per man-month - for the treatment group and the control group. The incidence rate, including all recorded bicycle accidents with personal injury to the participating cyclist, is 19% lower for cyclists with permanent running lights mounted; indicating that the permanent bicycle running light significantly improves traffic safety for cyclists. The study shows that use of permanent bicycle	Readers:	63								
running lights reduces the occurrence of multiparty accidents involving cyclists significantly. In the study the bicycle accidents were recorded trough self-reporting on the Internet. Possible shortcomings	Mentions									
and problems related to this accident recording are discussed and analysed. 🔘 2012 Elsevier Ltd.	News Mentions:	1								
	Q&A Site Mentions:	1								
Scival Topic Prominence ()	Social Media									
Topic: Bicycles   bicycle   Transportation	Shares, Likes & Comments:	24								
Prominence percentile: 98.7	Tweets:	32								
	Citations									
Author keywords	Citation Indexes:	12								
Bicycle running lights Controlled experiment Cyclists Safety evaluation	see details									
ELSEVIER										
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Safety effects of perma	anent runn								Ember Emb	ed Widge
	Safety bicycle Citation da Publication	/ effects of pe es: A controll ta: Accident; analysis ar Year: 2013	erman led ex	ent running lig periment. ion, ISSN: 1879-2057, Vol:	hts f <sup>50, Pag</sup>	<b>ОГ</b> е: 820-9				
USAGE 🗸	1142	CAPTURES V	118	MENTIONS V	2	SOCIAL MEDIA	<b>~</b>	56	CITATIONS V	14
Abstract Views o	1090	Readers o	63	Q&A Site Mentions o	1	Tweets ©		32	Citation Indexes o	14
Link-outs ©	52	Exports-Saves o	55	News Mentions o	1	Shares, Likes & Comments	Ø	24		

ARTICLE SUMMARY	This article has 1 News Mention across 1 URL.
Q&A SITES	5 Cheap(ish) Things for Bike Commuting Bliss
NEWS	June 18, 2018   The New York Times Your stuff doesn't need to be fancy but it does need to work well. These are our favorite picks.
TWEETS	Read full Article 🛛

#### Light

A light is more about increasing your visibility than beaming enough light to ride in the dark. For this reason, I always run mine on the strobe setting. Thanks to the police and ambulances' flashing lights, drivers are conditioned to see flashes as something worth noticing. Better yet, the strobe function saves battery life, and research shows that running your lights during the day can help with visibility. Wirecutter's headlight pick is the Light & Motion Urban 500, best paired with the Cygolite Hotshot Pro 150 taillight.

#### The New York Times

### 5 Cheap(ish) Things for Bike Commuting Bliss

Your stuff doesn't need to be fancy but it does need to work well. These are our favorite picks.



Cyclists making their way near the Williamsburg Bridge in Brooklyn. Victor J. Blue for The New York Times





June 18, 2018



## Academic-corporate collaboration

#### Technical University of Denmark

Danmarks Tekniske Universitet

🔀 116th (QS /) · =153 (THE /) · 151-200 (ARWU /) 🛛 🚼 Denmark 🛛 More details on this Institution

2013 to 2018	$\checkmark$	Social Sciences	$\sim$	ASJC	• 0
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#### Academic-Corporate Collaboration \$

Publications at the Technical University of Denmark with both academic and corporate author affiliations

Metric		Publications	Citations	Citations per Publication	Field-Weighted Citation Impact
Academic-corporate collaboration	4.6%	37	265	7.2	1.81
No academic-corporate collaboration	95.4%	762	5,919	7.8	2.23

#### Aalborg University

🕱 379th (QS 🗷) · 201-250 (THE 🖉) · 201-300 (ARWU 🖉) | 🚼 Denmark | More details on this Institution

2013 to 2018 🗸	Social Sciences	$\checkmark$	ASJC	• <u> </u>	
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#### Academic-Corporate Collaboration \$

+ Add to Reporting Shortcuts V

Publications at Aalborg University with both academic and corporate author affiliations

Metric		Publications	Citations	Citations per Publication	Field-Weighted Citation Impact
Academic-corporate collaboration	1.2%	25	181	7.2	2.63
No academic-corporate collaboration	98.8%	2,047	7,798	3.8	1.40

Data sources

Data sources

+ Add to Reporting Shortcuts  $\checkmark$ 

#### Collaboration by the University of Copenhagen Denmark More details on this Institution 2013 to 2018 Social Sciences ASIC Current collaboration Potential collaboration Current collaboration Potential collaboration

Q

#### Institutions collaborating with the University of Copenhagen

Worldwide	✓ All authors	✓ Corporate	✓ reset filter			
â 26 collaborating instituti	ons 🕞 47 co-authored publica	tions				
🖓 Map 🗄 Table				Export 🗸	Shortcuts 🗸	Find institution

		Co-authors at the			
Institution	Co-authored publications 🗸	University of Copenhagen	Co-authors at the other institution	Field-Weigh 🗸	Citation Co 🗸
Novo Nordisk AS	17 🔺	24 🔺	15 🔺	0.52	19
World Bank	6 🔻	13 🔻	10 🔻	2.33	141
Google Inc.	3	3	2	2.88	39
HatraZeneca Sweden	1 🔺	1 🔺	3 🔺	0.59	1
Autodesk Inc	1	2	3	1.43	7
₩ BBC	1 🔺	2 🔺	1 🔺	0.00	0
COWI AS	1	1	1	1.65	9
Carlsberg Research Center	1	4	2	0.68	1
Centre for Economic Policy Research, London	1 🔺	1 🔺	2 🔺	3.28	3

Within: Social Sciences   Year ra	inge: 2013 to 2	2018				Export 🗸
✓ Authors		3 publications				
All authors		Title	Authors	Year	Scopus Source	Citations 🗸
🗌 Plank, B.	3	Multi-lingual opinion mining on YouTube	Severyn, A., Moschitti, A.,	2016	Information Processing and Management	19
🗌 Filippova, K.	2	> View abstract View in Scopus 7	Uryupina, O. and 2 more			
Moschitti, A.	2	Adapting taggers to Twitter with not-so-distant	Plank, B., Hovy, D., McDonald,	2014	COLING 2014 - 25th International Conference on Computational	12
Severyn, A.	2	supervision	R. and 1 more		Linguistics, Proceedings of COLING 2014: Technical Papers	
Uryupina, O.	2	➤ View abstract View in Scopus				
Show more		Opinion mining on YouTube	Severyn, A., Moschitti, A.,	2014	52nd Annual Meeting of the Association for Computational	8
> Author numbers		> View abstract View in Scopus <sup>¬</sup>	Uryupina, O. and 2 more		Linguistics, ACL 2014 - Proceedings of the Conference	
> Institutions						
> Countries & regions						
> Scopus Sources						
> Subject Areas						
> Publication years						
> Publication types						
				<u>\\/</u>	What are orking on toget	they

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Publications co-authored by the University of Copenhagen and Google Inc.

# ELSEVIER

## Summary

What are the latest developments on measuring impact and how do they help create more structured insight in impact-performance?

- Topic Prominence aids discovery and provides a granular structure to measure impactperformance
- Societal impact can be demonstrated using tools like SciVal, PlumX and Scopus
- Always remember the 2 Golden Rules for the responsible use of metrics!

# Thank you



## Impact of Social Sciences & Humanities

4-5 October 2018, Copenhagen

**Measurement Tools** 

## Panel discussion & Q&A

Vera Hazelwood(Chair) Mogens Sandfær Christina Lohr



## Impact of Social Sciences & Humanities

4-5 October 2018, Copenhagen

**Measurement Tools** 

Chair: Vera Hazelwood *Chief Strategy Officer Researchfish, UK Type your recommendation here* 



## Impact of Social Sciences & Humanities

4-5 October 2018, Copenhagen

## Next up:

15.00-15.30 Break

15.30-17.15 Plenary closing

Lumbye Hall

