



Loughborough
University

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Implementing responsible metrics

責任ある指標
の実施について



本文中の日本語メモは、著者の了解のもとに付記した仮訳ですのでご了承ください。

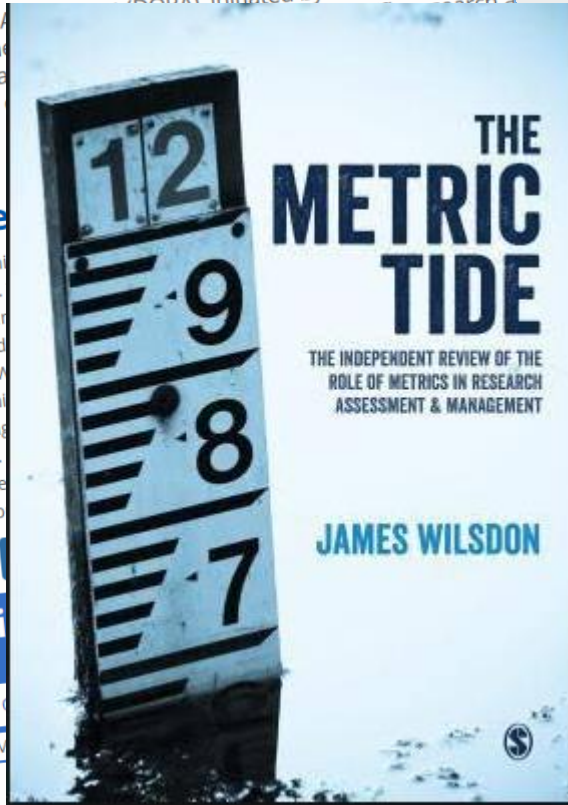


Overview

概観

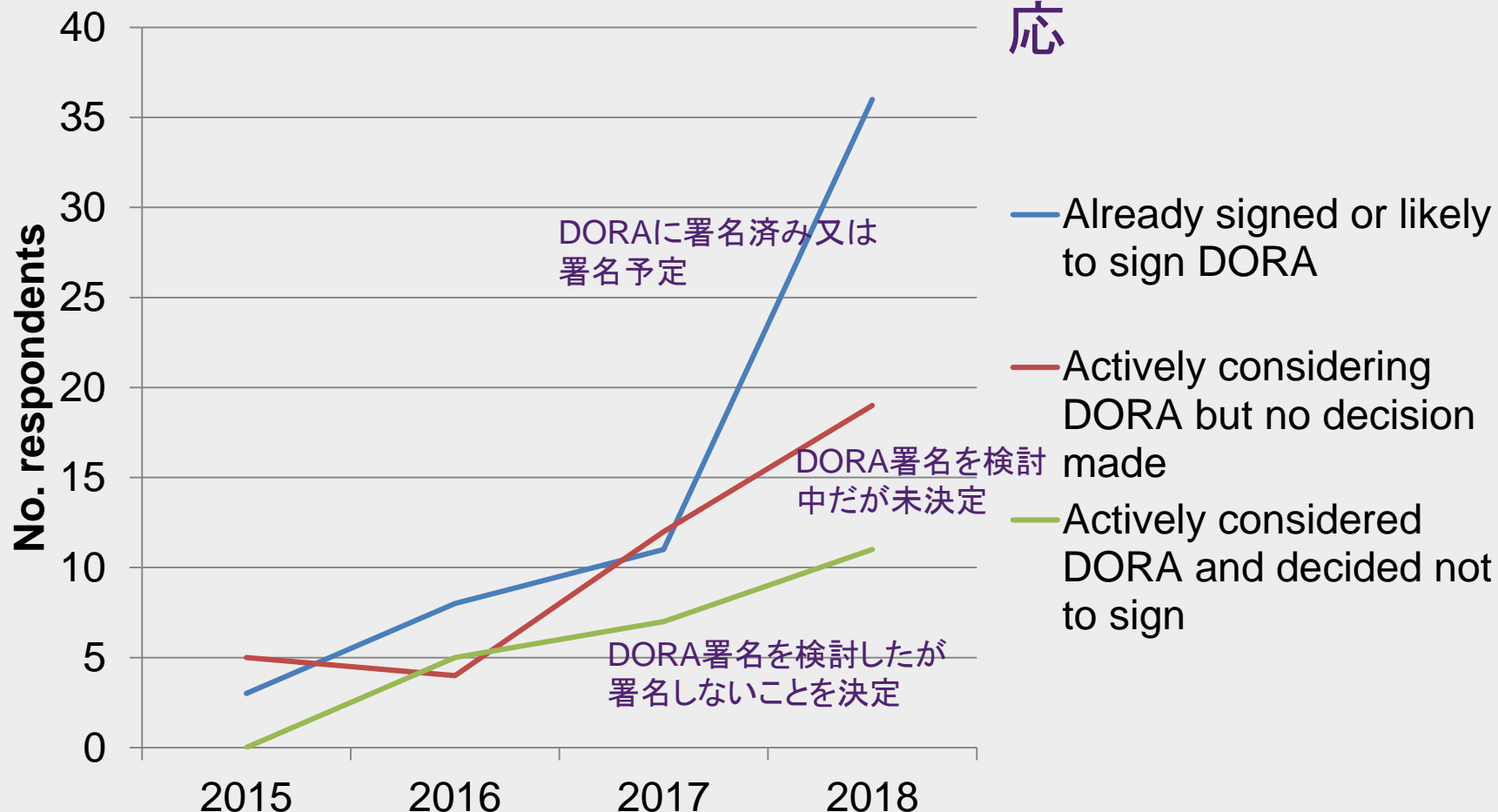
- Uptake of responsible metrics statements
 - Implementation challenges-especially SSH
 - The bigger issues
- 責任ある指標声明の取り込み
 - 実施上の課題 — 特に人社系
 - より大きな課題

責任ある指標の枠組み



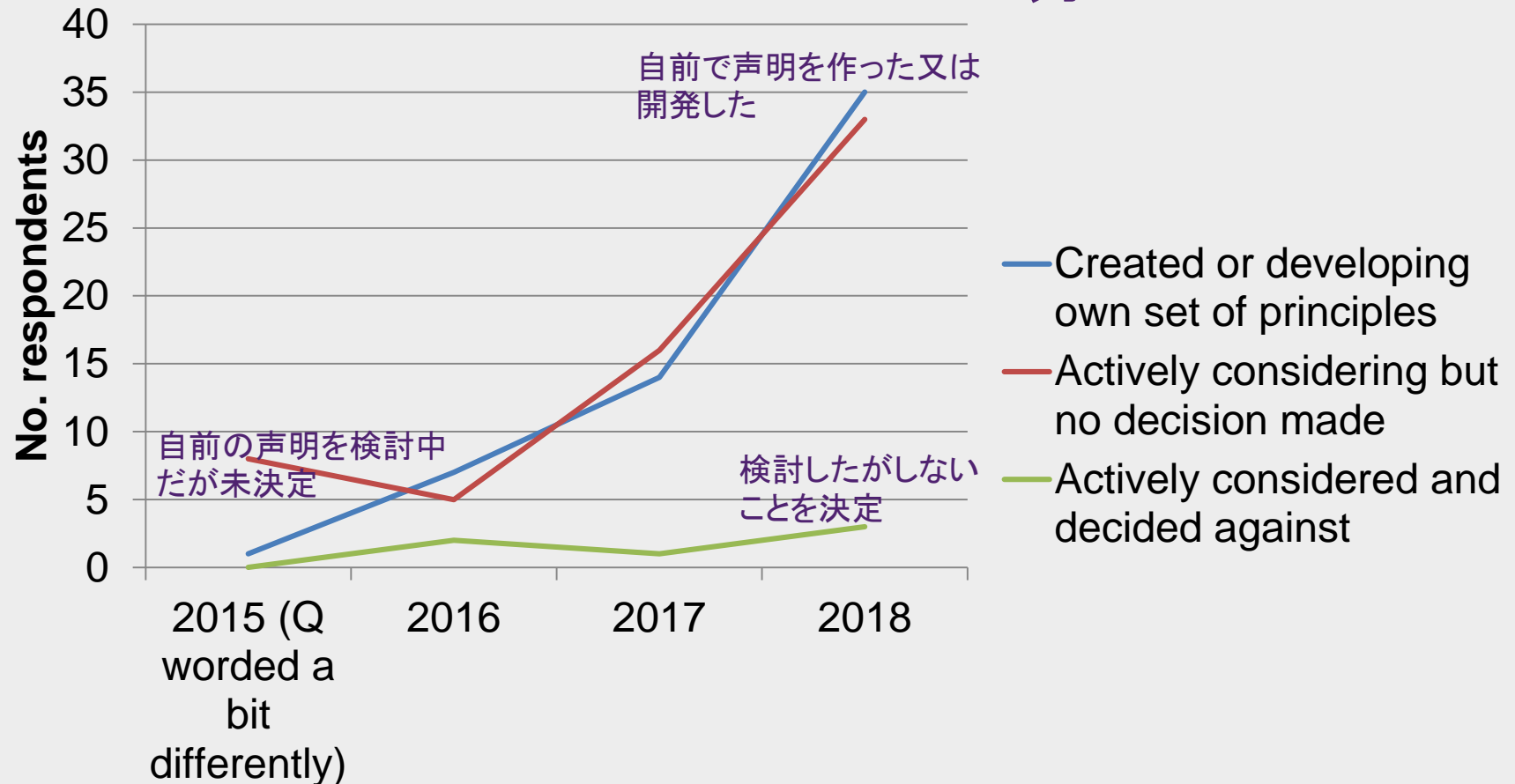
Response to DORA

研究評価に関する
サンフランシスコ宣言
(DORA)への反応



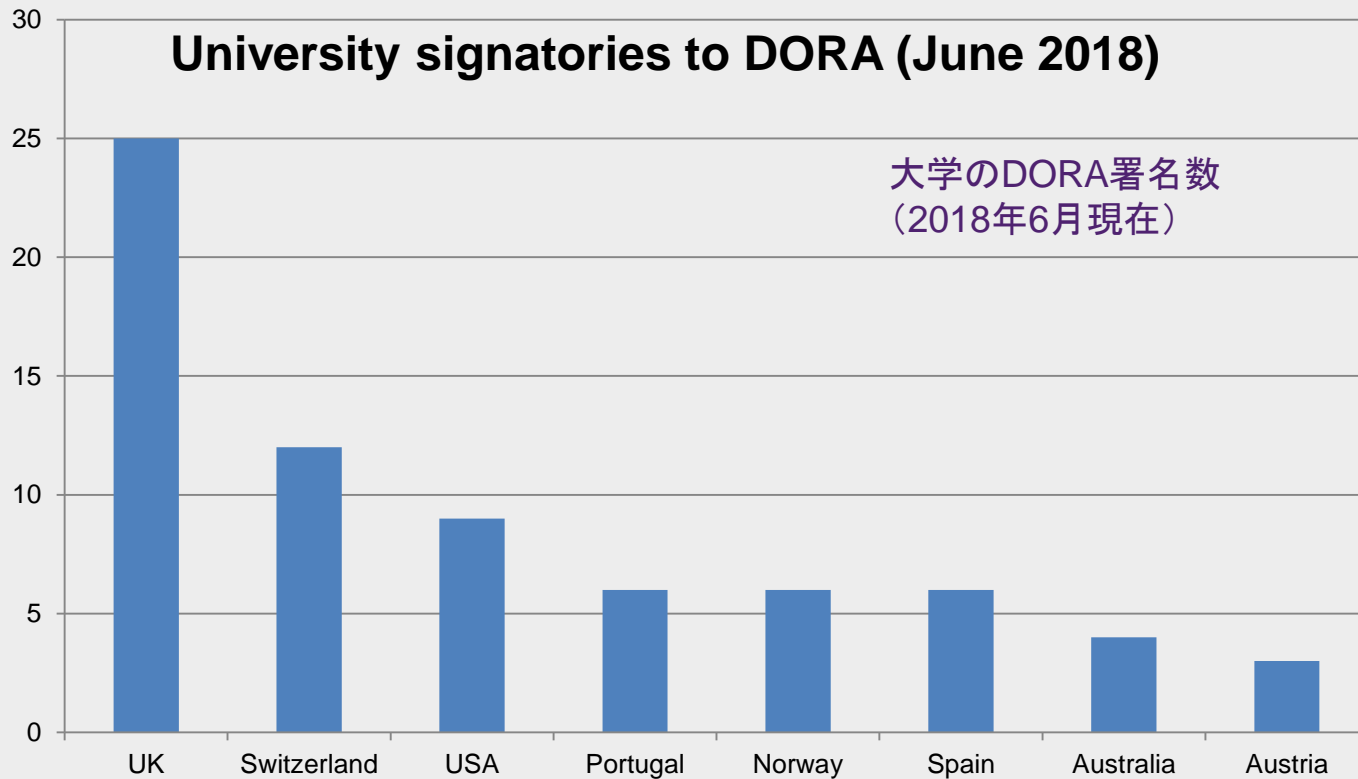
Bespoke statements on responsible metrics

責任ある指標に関する自前の声明



International response to DORA

研究評価に関する
サンフランシスコ宣
言(DORA)への
国際的な反応



ラフバラ大学の方針



Loughborough's policy ラフバラ大学の 方針

- Focussed on bibliometrics
- Ratified by Senate in November 2016
- Essentially a local implementation of the Leiden Principles
- Main local implementation is that Schools choose their own metrics (or none)
- Metrics more formative than summative
- Always allow for expert commentary
- 書誌情報に基づく指標に 焦点
- 2016年11月の評議員会で承認
- 基本的にライデン声明の原則のローカルな実施
- 主なローカルな実施方法としては、各研究科が自らの指標を選ぶ(もしくは指標を使わない)。
- 指標は累積的ではなく形成的に(研究科や個人を判定したり褒賞罰則に用いたりせず、出版戦略について自分たちの結論を導き出せるようにする)
- 常に専門家の解釈を付す余地を残す



Valuing monographs

書籍の評価



書籍の素晴らしさを測る

書籍に関する指標の検討
(売上、書評(内容、数、どこ
に掲載されたか)、複写収
入など)

Learning points

学んだことは...



Responsible Metrics needs:

責任ある指標に
必要なのは...

- Supporting?
- Policing?
- Arbitration?



- 支持？
- 取り締まり？
- 仲裁？

Images: The Guardian; ABC News; The DI Wire

Responsible metrics needs an owner

責任ある指標に必要なのは所有者

- It's not metrics that are responsible – it's people
- An organisation is only as responsible as its senior leadership team

- 責任があるのは指標ではなく人間
- 組織の責任: 上層の幹部が肝要



Steve Rothberg

Angela Crawford; Elizabeth Gadd ▾

RE: REF Impact preparations

Thanks
Steve

ラフバラ大学研究担当副
学長Steve Rothberg氏
のメール署名

** Sometimes my messages arrive outside of the working day
but I never expect a reply from you outside of your normal working hours **

[Prof Steve Rothberg](#)

Pro Vice-Chancellor (Research)

Chair, [Athena SWAN](#) institutional self-assessment team
x223440

「書誌情報指標の責任ある
使用に関する我々のコミット
メントに関してはこちら」

Find out more about our commitment to [responsible use of bibliometrics](#)

Save a life! It's simple to join the [Anthony Nolan Register](#) and become a stem cell donor.



Think before you print



Loughborough
University

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Responsible metrics requires responsible people

責任ある指標に必要な
のは責任ある人々

- Robust
- Humble
- Transparent
- Diverse
- Reflexive



- 堅牢であること
- 謙虚であること
- 透明性が高いこと
- 多様であること
- 内省的であること

Responsible metrics requires competent people

責任ある指標に必要なのは適正能力のある人々

Competency model for bibliometric work (version 1.1; July 2017)			
Based on Cox, Gadd, Peteruša, Staff (2017) Competencies for bibliometrics. JOLIS. http://journals.sagepub.com/doi/abs/10.1177/0961000617728111 . Project sponsored by Elsevier Research Intelligence.			
	Entry Level 入門レベル	Core コア	Specialist 専門家
1 Applications		<ul style="list-style-type: none">i) Uses bibliometric knowledge to recommend where to publish and what to read; to increase academic staff bibliometric literacy; to support annual reporting by academic departments; to support grant capture; and to guide library collection and evaluate repository coverage.	<ul style="list-style-type: none">i) Uses bibliometric knowledge to evaluate departmental/research centre performance; to evaluate institutional performance; and to support academic bibliometric research.ii) May undertake charged-for consultancy.
2 Advocacy and Training	<ul style="list-style-type: none">i) Explains effectively the concept, potential uses and limitations of bibliometrics to a range of stakeholders.ii) Explains the concept, potential uses and limitations of bibliometrics to stakeholders.iii) Explains author identifiers, such as ORCID, and promotes their wider use.iv) Communicates the case for open access and the impact of increased visibility on citation performance.	<ul style="list-style-type: none">i) Advises on which are the appropriate tools to calculate a particular metric and explains differences in results between metrics produced by different tools.ii) Explains responsible use as a general set of principles, and applies these principles to specific requests/cases. For example, advises on the applicability of metrics and tools to particular disciplines.iii) Participates in key debates about how research quality should be evaluated, including in the context of any national research assessment exercise.iv) Undertakes research into user needs from bibliometric tools and advises on decisions about what bibliometric service should be offered to staff.v) Explains and advises on use of the ORIS, the institutional repository and Academic SNS such as ResearchGate.vi) Writes documentation; designs and delivers online and face to face training.vii) Advises on how to increase citation, e.g., through use of social media.	<ul style="list-style-type: none">i) Monitors national policy changes around research evaluation and advises on institutional responses.ii) Advises on decisions about how the institution should use specific tools and on decisions about Institutional Key Performance Indicators.iii) Advises on decisions about what a responsible use policy should contain.iv) Influences others, including senior departmental and institutional managers.v) Advises on decisions about what bibliometric tools should be subscribed to.

Competency model for bibliometric work (version 1.1; July 2017)



The Competency Model for bibliometric work is licensed under a [Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License](https://creativecommons.org/licenses/by-nc-sa/4.0/)

堅牢性 (robustness)
ということに関連して。
書誌情報指標関連業務のための適正能力モデル
→新しい変化にもついていけるように

Welcome “whistle-blowers”

「内部告発」歓迎



最初に責任ある指標の方針を発表したときは、これで大丈夫、と自信があったが、研究者から不適合例を指摘され、気づいた。

→方針を持つことは第一歩であり、それで終わりではない。そこから始まり。

[This Photo](#) by Unknown Author is licensed under [CC BY-NC](#)

Responsible metrics requires regular review

責任ある指標に必要な
のは定期的な振り返り

- Loughborough currently reviewing it's Responsible Metrics policy
- Extending to all research metrics, not just bibliometrics
- Introducing a mandatory training element

- ラフバラ大学では、現在責任ある指標方針を見直し中
- 書誌情報以外のすべての研究評価指標を含む方向へ
- 必須研修要素を導入

定期的なレビューが必要。
研修の必須化も。

BIGGER QUESTIONS より大きな課題は



Who's responsible for responsible metrics?

責任ある指標に責任を負うのは誰？

- The focus is often on HEIs
 - What about...
 - Citation benchmarking tools
 - Research funders
 - Including national research evaluation schemes
 - University rankings
- 焦点はいつも高等教育機関
 - でもその他は、、、
 - 引用ベンチマーキングツールは？
 - 研究資金配分機関は？
 - 国レベルの研究評価制度を含む
 - 大学ランキングは？

Citation benchmarking tools

引用ベンチマーキングツール

Cox, Brian E.

 University of Manchester ... [Show all affiliations](#) | [View this Researcher in Scopus](#)  | [Why do the metrics look different to those in Scopus?](#) 

2014 to >2018



no subject area filter selected



ASJC



[Data sources](#)

Summary

Topics


Collaboration

Published

Viewed


Cited

Economic Impact

[+ Add Summary to Reporting](#) [Export](#) 

Overall research performance

[+ Add to Reporting](#)

Scholarly Output 

36

 [View list of publications](#)

Field-Weighted Citation Impact 

3.52

Citation Count 

966

Citations per Publication 

26.8

h-index

70

h5-index 

33

Funders

資金配分機関

Croatian Science Foundation (2018):

Guide to reviewers

RESEARCH PROJECTS (IP-01-2018)
2nd Round Evaluation Criteria (B)
Peer Review

クロアチア科学財団(2018)の例

To what extent is the proposed methodology appropriate and up-to-date?	1-5
<i>Please describe the project proposal feasibility briefly.</i>	
Total	

大学が責任ある指標
方針を宣言したとして
も、こういう資金配分
機関があれば形骸化
してしまう

PRINCIPAL INVESTIGATOR'S QUALITY	Grade (1-5)
What is the total scientific and professional contribution of the Principal Investigator in the research area?	1-5
What is the production of the Principal Investigator in the last 5 years in the context of publishing papers in journals with an IF larger than average in a particular area or in high-quality journals (if the project proposal is submitted in area of social sciences and humanities)?	1-5
Does the Principal Investigator have several publications in leading international journals in the area of research in which he is the lead or corresponding author, in the first quartile of the finest journals in the observed scientific area according to Web of Science database or registered patent(s)?	

PIは平均以上のインパ
クトファクターを持つ
ジャーナルに過去5年間
に出版歴を持つか

National research evaluation schemes

国レベルの研究評価制度




The Research Council of Norway

APPLY FOR FUNDING NEWS EVENTS POLICY

You are here: [Home page](#) > [Policy and strategy](#) > [Evaluations](#) > [Institute evaluations](#)

POLICY AND STRATEGY

- Strategy plans
- Priority initiatives for 2018
- The institute sector
- Evaluations**
 - Subject-specific evaluations
 - Institute evaluations**
 - Evaluation of the Research Council's own activities
 - Evaluation of political reforms



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CALL FOR PAPERS

Indonesia's scientists voice concerns about the country's researcher ranking system

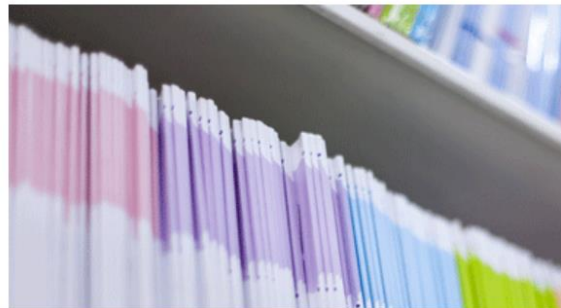
Critics flag unclear methodology, lack of credit for research contributions other than publications

by *Dalmeet Singh Chawla*
DECEMBER 31, 2018

ノルウェー、フィンランドではジャーナルのランク付けを行い、インドネシアでは出版指標だけで個人をランク付けし、その他の研究活動を評価しないなど。

Institute evaluations

The Research Council is responsible for conducting the research institutes that receive public basic research funding from the Council.



ITALIAN NATIONAL AGENCY FOR THE EVALUATION OF UNIVERSITIES AND RESEARCH INSTITUTES

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Highlights



Pubblicazione Resoconto delle attività nel 2018 e Giornata della Trasparenza

08/02/2019

Da oggi, 8 febbraio 2019, è disponibile nel sito dell'Agenzia il Resoconto delle attività dell'ANVUR nel 2018. Il prossimo 12 febbraio, tra le 10.30 e le 12.30, presso la nostra sede, si terrà la Giornata della Trasparenza dell'ANVUR. È un'occasione preziosa per un confronto con i principali interlocutori istituzionali

University rankings

大学ランキング



Indicators and Weights for ARWU

Criteria	Indicator	Code	Weight
Quality of Education	Alumni of an institution winning Nobel Prizes and Fields Medals	Alumni	10%
Quality of Faculty	Staff of an institution winning Nobel Prizes and Fields Medals	Award	20%
	Highly cited researchers in 21 broad subject categories	HiCi	20%
Research Output	Papers published in Nature and Science*	N&S	20%
	Papers indexed in Science Citation Index-expanded and Social Science Citation Index	PUB	20%
Per Capita Performance	Per capita academic performance of an institution	PCP	10%
Total			100%

Nature/Scienceへの出版数
SCI、SSCIインデックスにある出版数

* For institutions specialized in humanities and social sciences such as London School of Economics, N&S is not considered, and the weight of N&S is relocated to other indicators.



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大学ランキングは誰に対する説明責任もなく、大学を序列化。INORMSではここに対して物申す。

.....
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Is it just metrics that
need to be responsible?

責任あるべきは
指標だけ？

PEER REVIEW WATCH

Peer-review is the gold standard of science. But *increasing number of retractions has made academics*
and journalists alike start questioning the peer-review and takes a look at t

Medical Republic

CLINICAL ▾

THEHILL ▾

KNOWCENTS ▾

REI

1 MARCH 2016

THE GOLD STANDARD: WHAT
YOU SHOULD KNOW ABOUT PEER

When is Peer Review the Gold Standard, and When is it Only Tin?

Published on *October 22, 2016* by *Tony Waters*

OPENV.com
publishing network

In: Peer Review ▸

A new gold standard of peer review is
needed

September 29, 2017 * Author: Jon Tennant

指標の代替案としてはピアレビュー？
でもピアレビューの透明性は？

ピアレビューの検証、
見直しも続々



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metrics are
rubbish
but ... (far)
people are ~~worse~~

指標はナンセンス。
でもさらに悪いのは
人だ

Alan Dix

University of Birmingham and Talis

<http://alandix.com/ref2014/>

REFのパネル審査を検証し、
ピアレビューにおけるジェン
ダーバイアス、分野の偏りを
指摘したDix教授弁。



Changing the world of research evaluation

研究評価の世界を変える



指標とピアレビュー両方を包括的に見ていくことが必要

- Rating the rankers
- Briefing materials for senior managers
- Hear more about this at RMAN-J session with Hirofumi Seike & Justin Shearer !
- ランキング機関のランク付け
- 大学幹部向け説明資料
- 詳細はRA協議会での清家・Shearerのセッションで！

Thank you for listening

ご清聴ありがとうございました

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