



*The **SCOPE** Framework for Research Evaluation.*

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Who Are We?



- The INORMS REG is a group of research managers from 12 international Research Management Societies and Associations

- We represent groups from UK, Norway, the US, Canada, China, Japan, Australia, Finland, Denmark, and Malaysia

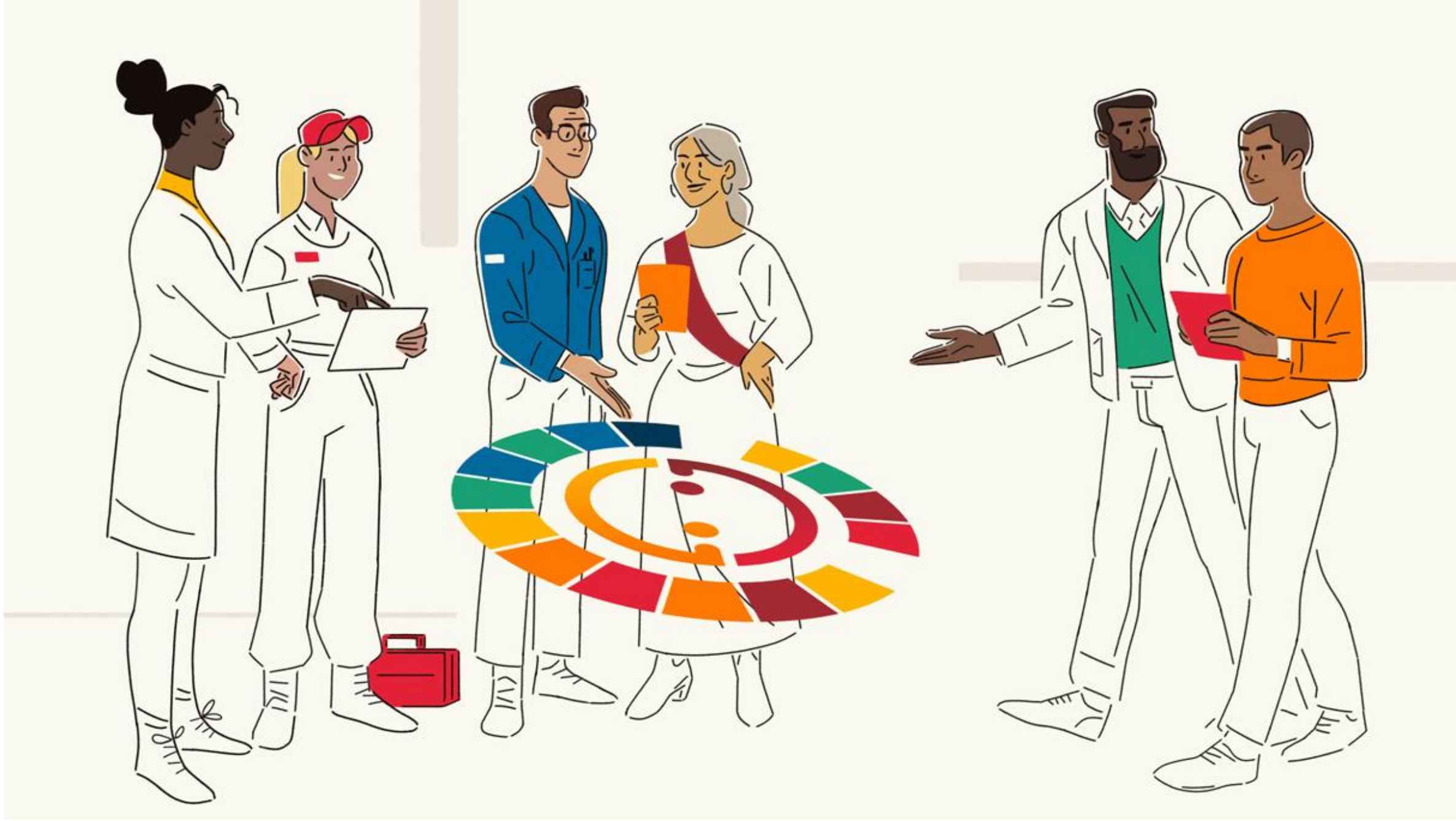
We are always looking to ensure all the INORMS constituent research management societies are represented. If you are interested in representing your local INORMS member organization, please speak to your local research management society and find contact information on our webpage.



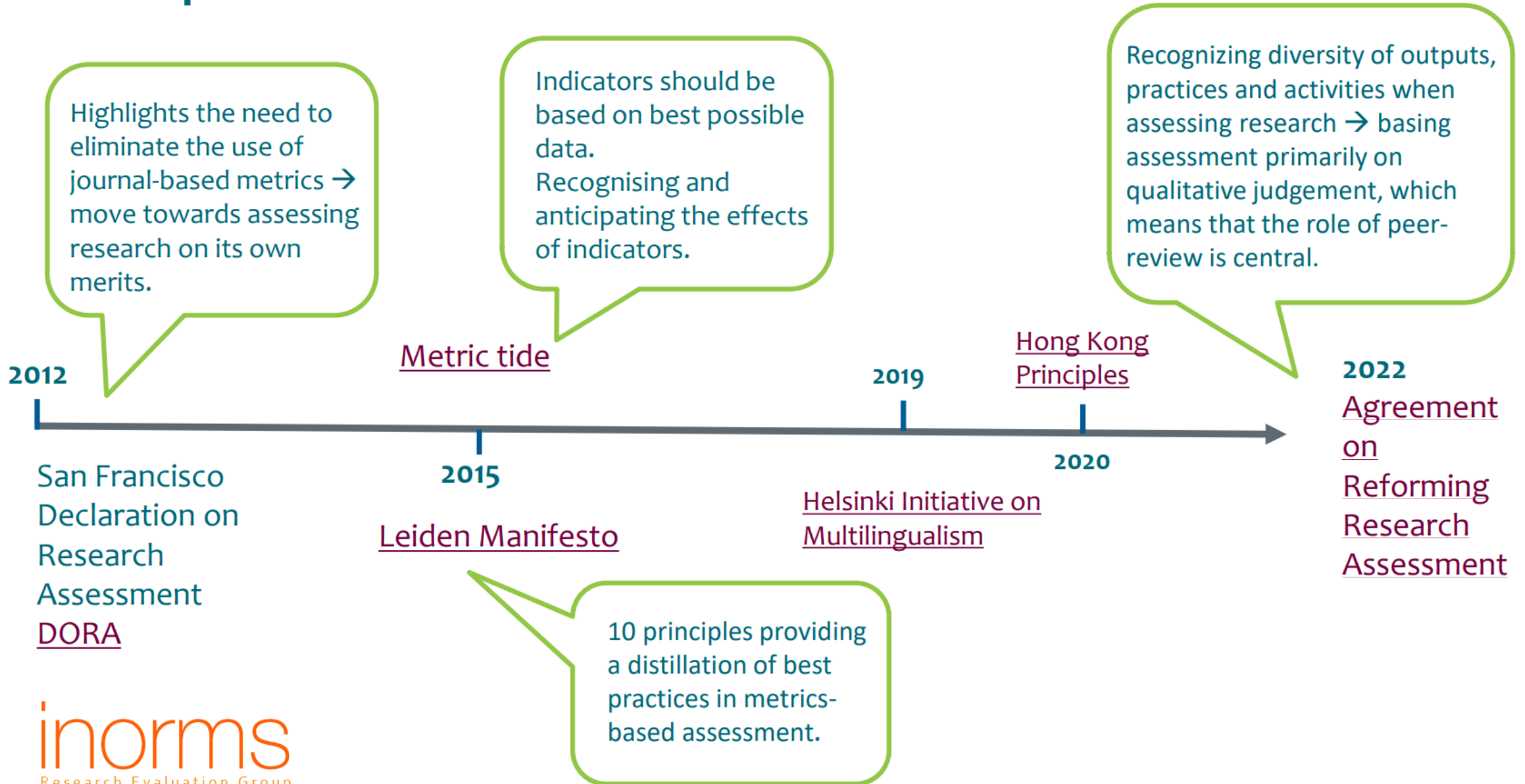
START WITH WHAT YOU VALUE



an inorms initiative



Responsible research assessment



The SCOPE framework

START WITH WHAT YOU VALUE



SCOPE operates under three principles

- 1. Evaluate only where necessary.** Evaluation is not always the right strategy. When it comes to incentivising behaviours, for example, it may be more fruitful to enable them than to evaluate them.
- 2. Evaluate with the evaluated.** Any evaluation should be co-designed and co-interpreted by the communities being evaluated.
- 3. Draw on evaluation expertise.** We should apply the same rigour to our evaluations that we apply to our academic research.

START with what you value

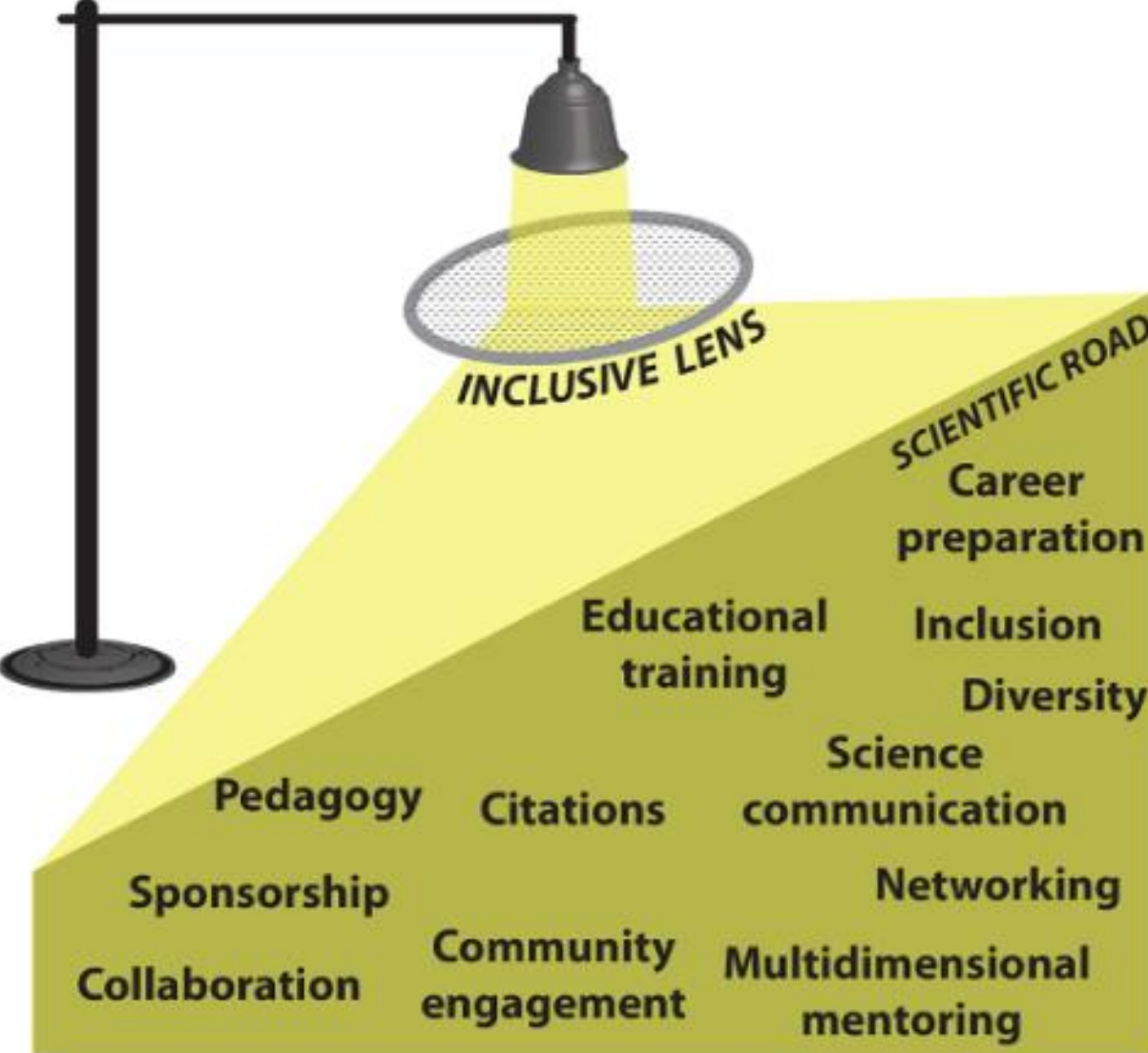
- ✓ Not what others' value
- ✓ Not by the availability of data



A) Narrow View of Scientific Impact



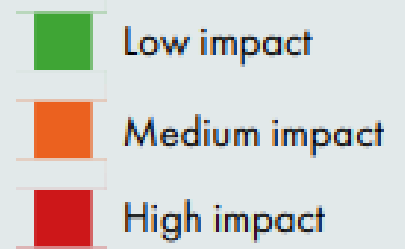
B) Inclusive View of Scientific Impact



C– Context considerations

What and why are you measuring

		Country	HEI	Group	Individual
Analysis	To understand	Low impact	Low impact	Medium impact	Medium impact
Advocacy	To show off	Low impact	Low impact	Medium impact	Medium impact
Accountability	To monitor	Low impact	Medium impact	Medium impact	High impact
Acclaim	To benchmark	Medium impact	High impact	High impact	High impact
Adaptation	To incentivise	Medium impact	High impact	High impact	High impact
Allocation	To reward	High impact	High impact	High impact	High impact



C – Context considerations

Discipline in which you are evaluating



O – Options for evaluating

- Is your indicator a suitable proxy for what you are evaluating?
- Quantitative measures
 - citations, publications, money, students
- Qualitative measures
 - quality, excellence, value, impact
- Be careful if using quantitative indicators as a proxy for qualitative things
 - citations \neq quality
 - ranking position \neq excellence

PEER REVIEW WATCH

Peer-review is the gold standard and journalists alike start to question its value. A growing number of retractions has made academics and journalists alike start to question its value. Underneath the skin of peer-review today.

Medical Republic

CLINICAL ▾

THEHILL ▾

KNOWCENTS ▾

1 MARCH 2016

THE GOLD STANDARD: WHAT YOU SHOULD KNOW ABOUT PEER REVIEW

COMMUNICATION JOURNALS KNOWCENTS

Posted by RUBY PROSSER SCULLY



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

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

In: Peer Review ▾

A new gold standard of peer review is needed

September 29, 2017 *

Author: Jon Tennant

metrics are rubbish
but ...
people are far worse

Alan Dix

University of Birmingham, UK and Talis

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






P – Probe deeply

1. Who does this discriminate against?
2. How might this be gamed?
3. What might the unintended consequences be?
4. Does the cost of measuring outweigh the benefit?

Best Biology and Biochemistry Scientists

The 1st edition of Research.com ranking of top Biology and Biochemistry scientists is based on data collected from Microsoft Academic Graph on December 6th, 2021. Position in the ranking is based on a scientist's D-index (Discipline H-index), which only includes papers and citation values for an examined discipline. [Show more](#)

Search by name or affiliation

World	National	Scholar	D-Index	Citations	Publications
1	1	 Guido Kroemer Sorbonne University, France	281	398,396	1,380
2	1	 Robert J. Lefkowitz Duke University, United States	260	204,446	841
3	2	 Solomon H. Snyder Johns Hopkins University School of Medicine, United States	229	200,537	817
4	3	 Rob Knight University of California, San Diego, United States	229	362,383	791
5	1	 Matthias Mann Max Planck Institute of Biochemistry, Germany	226	247,780	763



David Ubilava

@DavidUbilava

The wordcloud of names of the editors in 49 top econ journals (ABDC: A*) circa 2020.



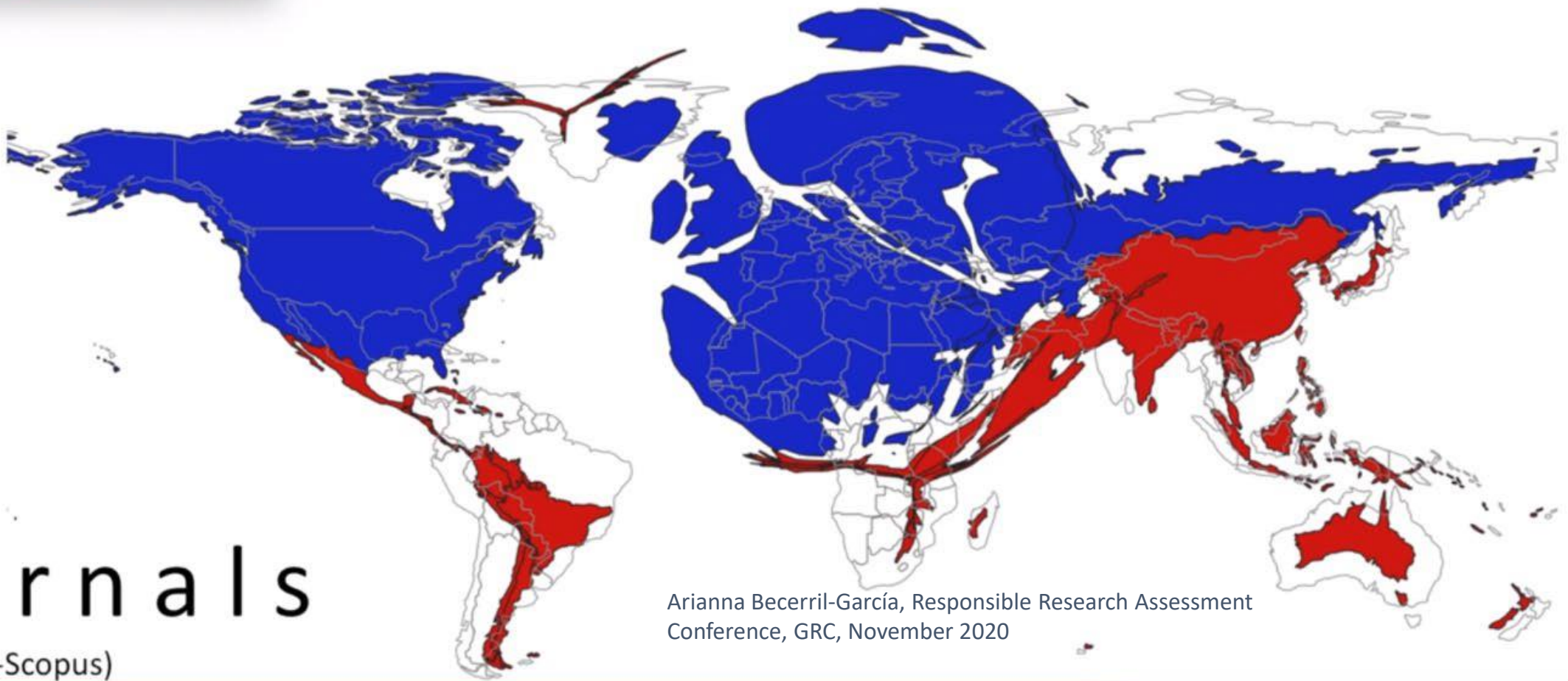


Structural inequity in research assessment

Global North



18.4% ●
Global South

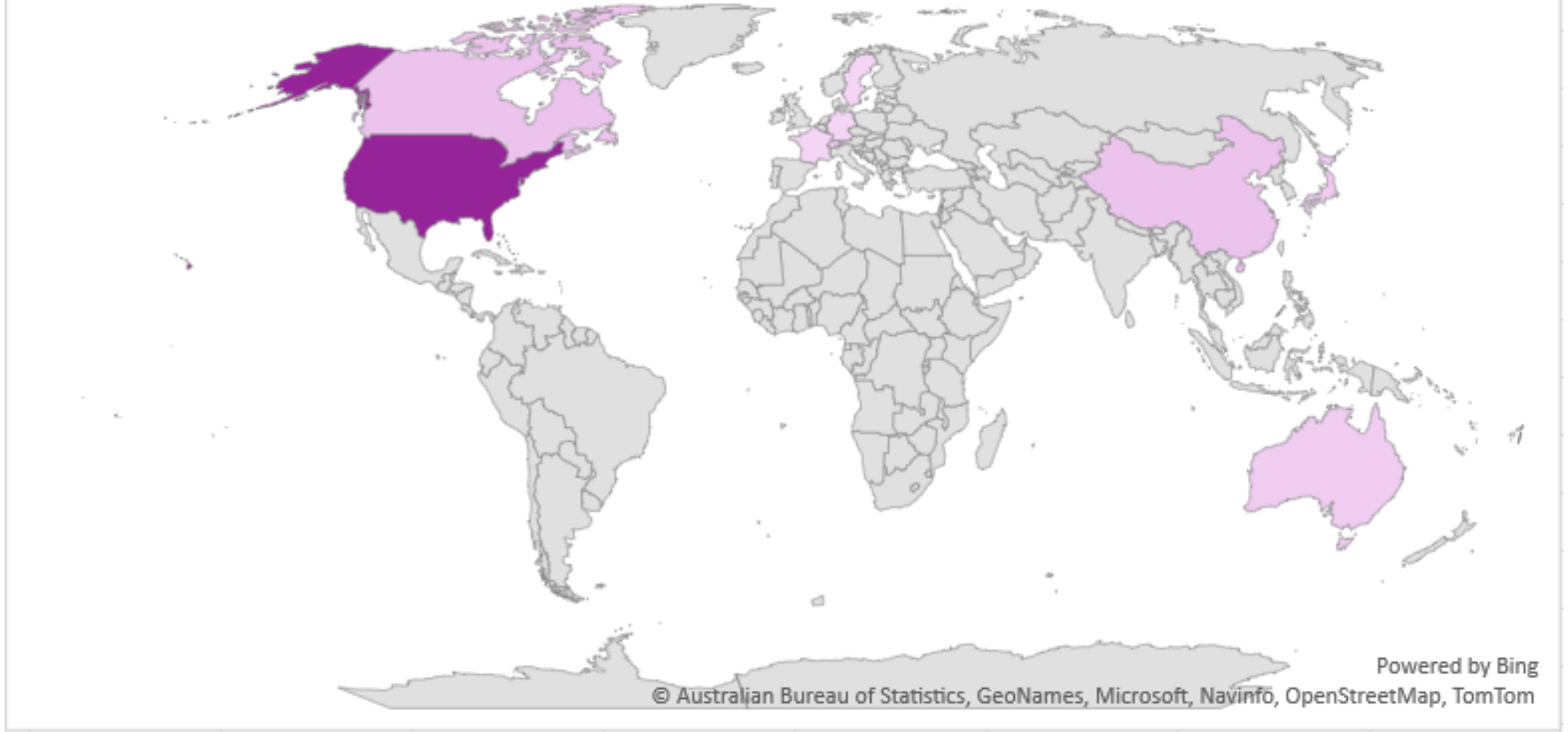


Journals

(based on SJR-Scopus)

Arianna Becerril-García, Responsible Research Assessment
Conference, GRC, November 2020

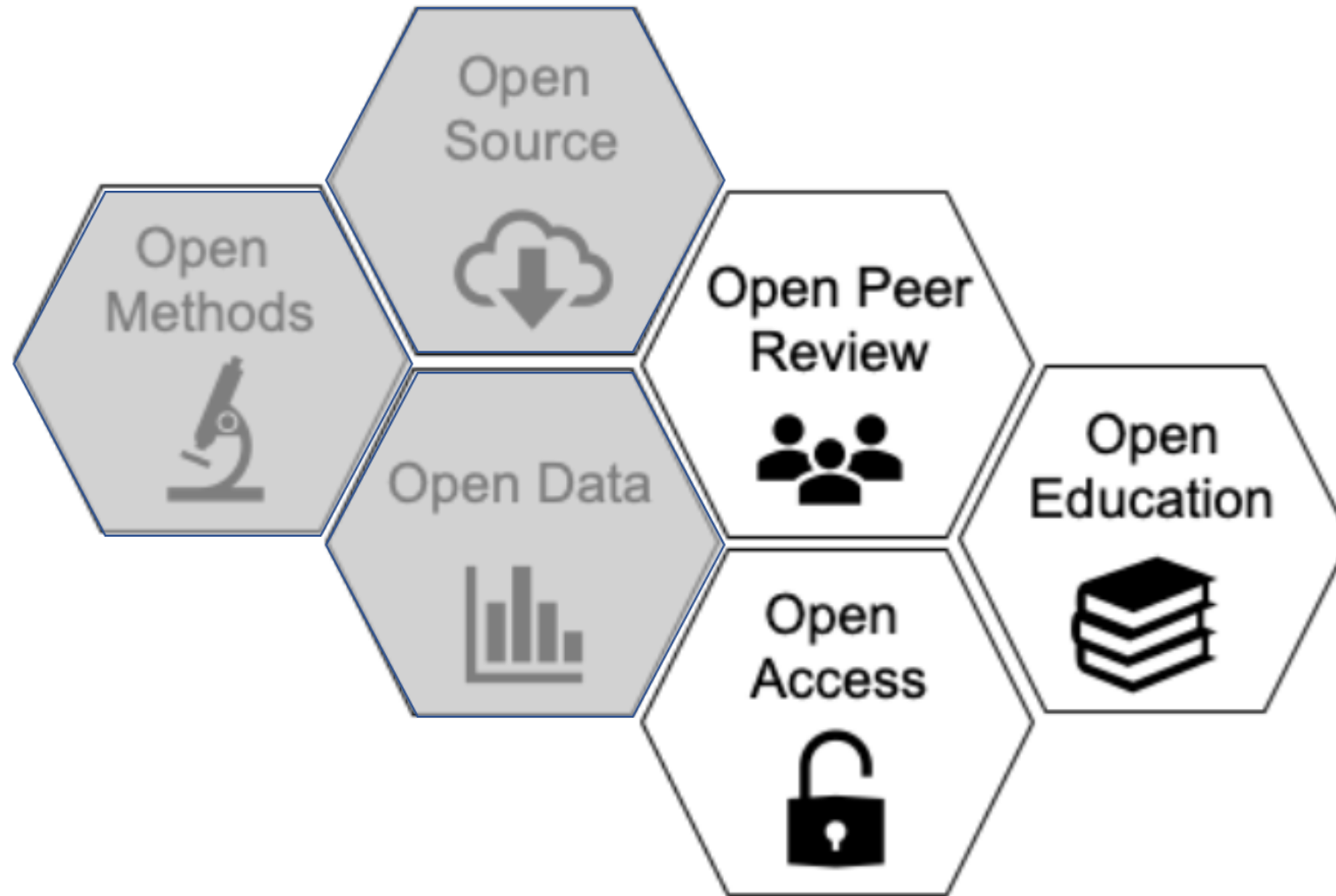
Countries in which high potential individuals can be found according the UK government



Evaluation costs time and money



How open is open to the Arts & Humanities?



Embedding journal articles as the accounting unit of scholarship.

Articles Are the Fundamental Unit of Data Sharing

By TIM VINES | SEP 3, 2020 | 22 COMMENTS

CONTROVERSIAL TOPICS | DATA PUBLISHING | OPEN ACCESS



PRINT THIS PAGE

Research data is/are getting a lot of airtime at the moment. 2020 is the STM Association's '[Research Data Year](#)'. The upcoming Peer Review Week focuses on '[Trust](#)', which for articles must often involve open data. There's also been a flurry of action (or calls for action) from stakeholders, including CODATA's [Beijing Declaration on Research Data](#) and global research institutions' [Sorbonne Declaration](#).

These declarations and initiatives largely focus on ensuring that research data are [FAIR](#): Findable, Accessible, Interoperable, and Reusable. The FAIR data principles are the current goalposts for promoting open research data, and efforts are thus focused on a) ensuring that individual datasets have comprehensive, machine-readable metadata (a link to the protocol used to collect the data, details of the instruments used, the license under which the data were released), and b) developing a network of [FAIR compliant repositories](#) to host all these datasets.

OFFICIAL BLOG OF:



THE CHEFS



Mental Health Costs



STUI

Academics 'face higher mental health risk' than other professions

Lack of job security, limited support from management and weight of work-related demands on time among risk factors



Why the audit culture made me quit

When Liz Morrish opened up to students about the pressures academics are under, disciplinary proceedings culminated in her resignation. She reflects on why she chose to tackle the failings of the neoliberal academy from the outside

In the UK, much of the rush to management by metrics is in response to shifting government incentives and policy changes, which, fed through the mechanism of the research excellence framework, affect institutional priorities, reputations and funding levels. Many of these metrics are quite outside the control of academics. Nevertheless, they have been weaponised as tools of performance management, and the very nature of the scrutiny creates a hostile environment for academic freedom.

Imperial College professor Stefan Grimm 'was given grant income target'

Emails with manager reveal details of review placed on academic found dead in September

December 3, 2014

A researcher at Imperial College London who was found dead in September had been told he was "struggling to fulfil the metrics" of a professorial post at the institution.



E – Evaluate your evaluation

- Evaluation is cyclical and iterative
- Use SCOPE to re-evaluate your evaluation



How to use SCOPE?

As the guide for new evaluation design:

- check if you are measuring what you value
- ensure your evaluation is context-sensitive
- consider the validity of your evaluation options
- double-check your evaluation for unintended consequences

As a tool to examine an existing evaluation:

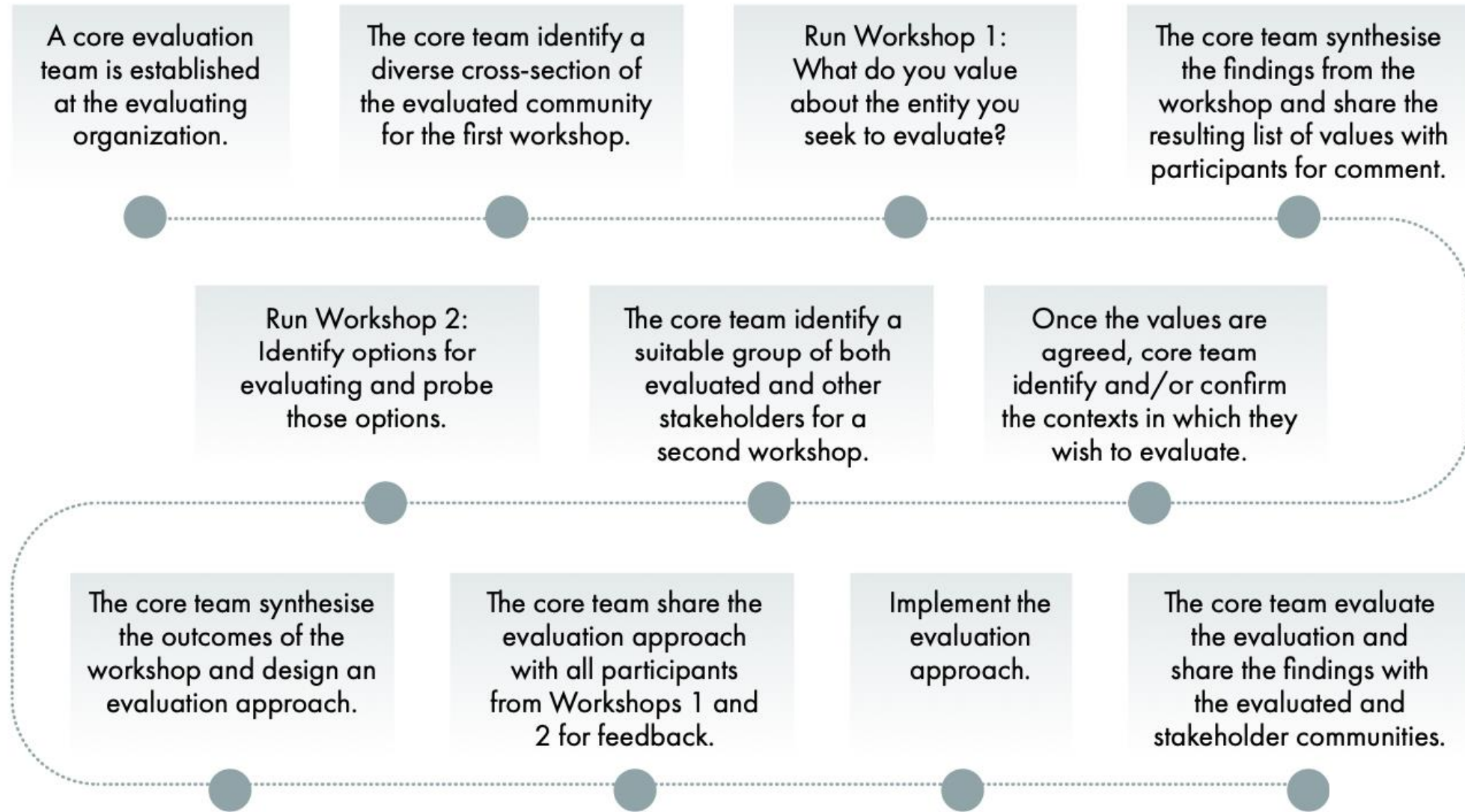
- Established evaluations may be flawed or have room for improvement
- this demonstrates you are approaching evaluation in a rigorous and robust way

How to use SCOPE: the workshop approach

Evaluate with the evaluated

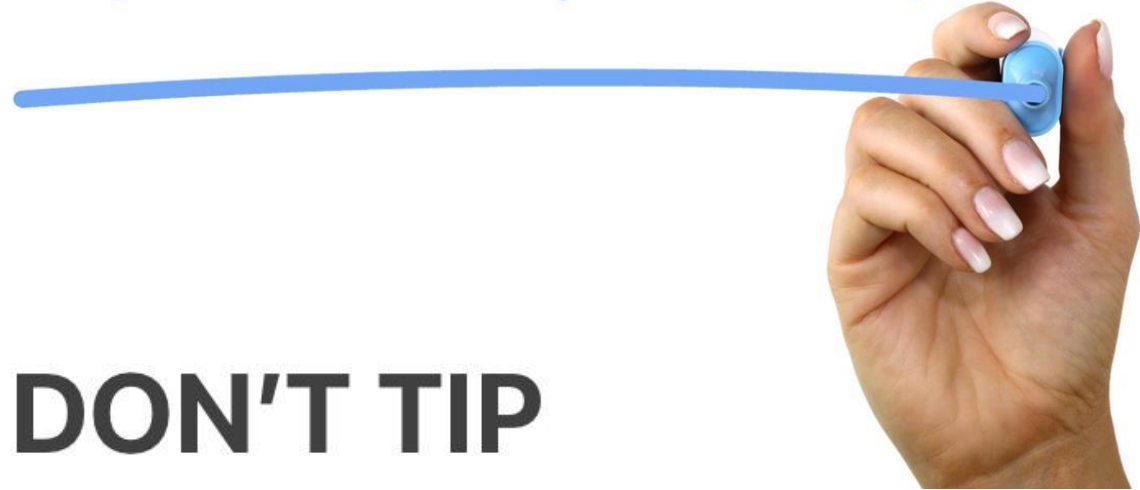
- Ensuring the evaluated have a say on what they value as well as on how they might evaluate it
- Building confidence in the process
- creating consensus on the best way forward

Note: Stakeholders should inform but not dictate the evaluation approach.




From: SCOPE Full Guide (DOI: <https://doi.org/10.26188/21919527.v1>)

REQUIREMENT



Think global

**PLEASE DON'T TIP
THIS LADDER OVER,
WE'RE TRYING TO
CLIMB IT**




The SCOPE Framework

A five-stage process for evaluating research responsibly

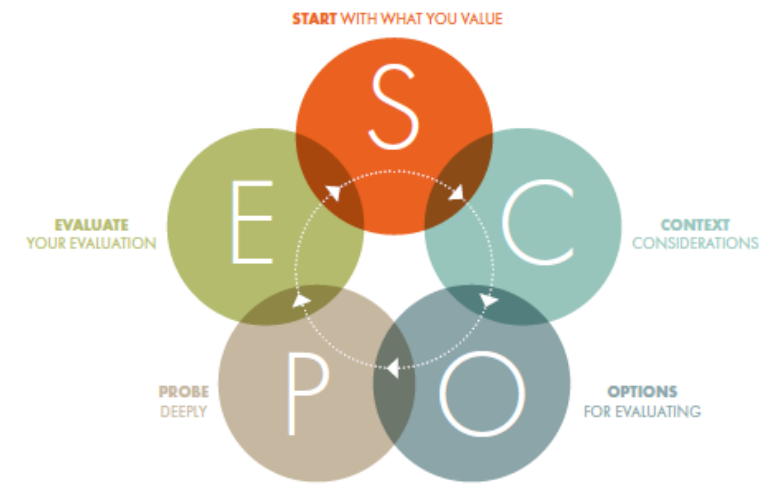
inorms research evaluation group

inorms.net/research-evaluation-group

Design and publishing partner: Emerald Publishing



A one-page overview of the five-stage SCOPE Framework



The SCOPE Principles
The five stages of SCOPE operate under three main principles:

- 1. Evaluate only where necessary.**
Evaluation is not always the right strategy. When it comes to incentivising behaviours, for example, it may be more fruitful to enable them than to evaluate them.
- 2. Evaluate with the evaluated.**
Any evaluation should be co-designed and co-interpreted by the communities being evaluated.
- 3. Draw on evaluation expertise.**
We should apply the same rigour to our evaluations that we apply to our academic research.

START with what you value

- Clearly articulate what you value about the entity being evaluated
- Not with what others' value (external drivers)
- Not with available data sources (the 'Streetlight Effect')

CONTEXT considerations

- Ensure your evaluation is context-specific
- WHO are you evaluating? (Entity size and discipline)
- WHY are you evaluating?

OPTIONS for evaluating

- Consider both quantitative and qualitative options
- Be careful when using quantities to indicate qualities

PROBE deeply

- WHO might your evaluation approach discriminate against?
- HOW might your evaluation approach be gamed?
- WHAT might the unintended consequences be?
- CONSIDER the cost-benefit of the evaluation

EVALUATE your evaluation

- Did your evaluation achieve its aims?
- Was it formative as well as summative?
- Use SCOPE to evaluate your evaluation.

Thank you
for
listening



2023

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