

Introducing the 2022 Project TARA tools to support responsible research assessment

25 October 2022

Project TARA is supported by a generous three-year grant from Arcadia, a charitable fund of Lisbet Rausing and Peter Baldwin.



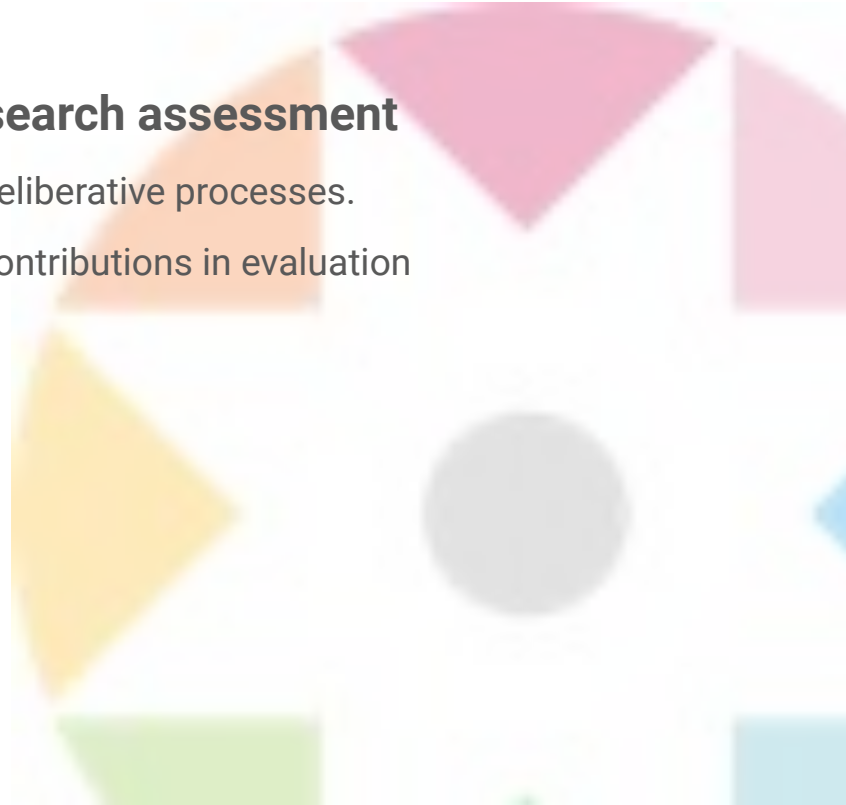
Code of Conduct

DORA is a community with shared aspirations to improve academic assessment, and we are all working towards the same goal.

- ✓ Participants are expected to follow the Community Conduct Rules of DORA's administrative entity, the American Society for Cell Biology
- ✓ Keep comments constructive, collegial, and to the point
- ✓ Be respectful of everyone on the call
- ✓ Use the **chat** to contribute to the discussion
- ✓ The first portion of this meeting will be recorded to be shared on DORA's site

Agenda

- **Introduction**
- **Introducing two tools for responsible research assessment**
 - Strategies on how to debias committees and deliberative processes.
 - Ideas on how to incorporate a wider range of contributions in evaluation policies and practices.
- **Q&A about 2022 tools**
- **Introducing 2023 toolkit ideas**
- **Community discussion on 2023 tools**
- **Closing remarks and next steps**





Tools to Advance Research Assessment (TARA) is a project to facilitate the development of new policies and practices for academic career assessment

www.sfdora.org/project-tara/



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Project TARA consists of three main components:



An interactive
online dashboard



A survey of
U.S. academic
institutions



A toolkit of
resources



Update on survey and dashboard development

Dashboard

- **2021 - 2022: Scoping events and data collection**
- **2022 - 2023: Web development**
- **Spring 2023: Public release**

Survey

- **2021 - 2022: Survey development and distribution**
 - Thank you to all community members who participated in the survey!
 - Ongoing: Community Interviews with U.S. academic staff who have experience with evaluation policies and practices
- **2023: Results to be shared**

Two tools for 2022

1. Debiasing committee composition and deliberative processes

2. Building blocks for impact

RETHINKING RESEARCH ASSESSMENT DEBIASING COMMITTEE COMPOSITION AND DELIBERATIVE PROCESSES



It is generally recognized that more diverse decision-making panels make better decisions: including more perspectives reduces bias, increases transparency, and exposes more individuals to how decisions are made. But old habits die hard, and increasing the diversity of committees demands behavioral change. Here are some strategies that can help.



Debiasing deliberative processes can also reduce "business as usual" decision-making tendencies

Reducing leadership bias

- Conduct and document "pre-briefs."** Spending time upfront to collectively craft the "rule of the road" for committee work can create alignment and serve as a shared touchpoint that everyone—no matter what their role or seniority—can point to if things go awry.
- Make all votes count.** Seeing how others are voting can sway where we put our own chips. Techniques like anonymous voting can help reduce tendencies to conform to others' views or confirm safe choices rather than express true preferences.

Reducing individual bias

- Question what we think we know.** Asking committee members to explicitly step through their thought processes and assumptions can surface and counteract "confirmation bias," or the tendency to prioritize data that reinforces existing preconceptions.
- Even the playing field.** Consider strategies to reduce advantages of circumstance, providing interview questions in advance can equalize candidates, and using relative measurements—such as progress from a starting point rather than judging absolute accomplishments—can gauge equality quality more fairly.

Increasing systems thinking

- Identify bias at a system level.** Efforts to reduce personal bias can put the burden on individuals to change, and can ignore how systems themselves are often designed to reinforce "hidden in plain sight" biases.
- Think downward.** Improving diversity through things will fall first without equal investment in mentorship and retention.
- Use structure to provide consistency.** Structured approaches—like interview protocols and pre-determined criteria—can increase choice in comparison without resorting to solely quantitative measures.

RETHINKING RESEARCH ASSESSMENT BUILDING BLOCKS FOR IMPACT

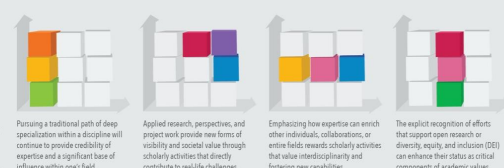


Capturing scholarly "impact" often relies on familiar suspects like h-index, JIF, and citations, despite evidence that these indicators are narrow, often misleading, and generally insufficient to capture the full richness of scholarly work. Considering a wider breadth of contributions in assessing the value of academic activities may require a new mental model.



Expanded definitions for "impact" can help individuals identify and embrace different goals.

While some scholars may naturally be more oriented toward research or teaching, seeing a broader set of "impact" characteristics allows academics to define, plan for, and pursue more personally meaningful career aspirations.



Tool creation process





It is generally recognized that more diverse decision-making panels make better decisions: including more perspectives reduces bias, increases transparency, and exposes more individuals to how decisions are made. But old habits die hard, and increasing the diversity of committees demands behavioral change. Here are some strategies that can help.

Diversify across characteristics to support a range of perspectives

While increasing racial and gender representation is critically important, people from other less-represented groups—like first-generation or early career academics, or those with cross-disciplinary experience—can also invite new and valuable perspectives.

Connect committee composition to outcomes through representation of those who will be affected

Deliberately inviting perspectives from those who will be in the receiving end of policy or directly impacted by decisions ensures that issues which might otherwise go unseen have the chance to be addressed.

Transparency invites trust

When decisions about who's included (and who's not) are decided upon behind closed doors, even well-meaning intent can seem mysterious. In contrast, transparent and consistently applied criteria create a baseline and build a foundation of credibility.

Broadening who is exposed to processes can promote equity of opportunity

The ability to see behind the curtain may be especially useful for first-generation researchers or those new to the field. But recognize when committees become a form of added burden in the form of "invisible labor" for those already expected to pull more than their fair share.

Taking a portfolio view

Keeping the bigger picture in mind can protect against the common tendency to make individual decisions, each reasonable in isolation—the so-called "isolated choice effect"—that collectively reinforces familiar norms or standards of decision-making.

Overcome "two-kenism" tendencies

Research indicates that committees stop seeking diversity after selecting two underrepresented individuals, feeling like they've "checked the box." Making diverse representation less like a quota to be filled can also reduce the perception that those individuals must represent entire segments rather than their personal expertise.

Fostering true diversity of opinion

Non-traditional participants may fear judgment or feel a need to check themselves when making suggestions that run counter to established or commonly held views. More inclusive processes deliberately create space to consider all viewpoints, with shared goals in mind.

Relying on self-identification or selection by leadership can reinforce existing biases

Research shows that making selection opt-out rather than opt-in can help boost inclusion of those who are less comfortable with self-promotion, or those who may not seem like "obvious" choices.

Question the norms about who is qualified to participate or contribute

When traditional or overly narrow forms of inclusion and exclusion—like seniority or rank—are used as criteria too early, they may leave out individuals who can provide important alternative points of view.

Expanding a sense of what's possible

Traditions and historical norms are sticky in part due to status quo bias, but can also persist due to a perceived lack of other alternatives. Gaining exposure to new options by seeing what others have done can help overcome "what things are done around here."

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Increasing systems thinking

- **Identify bias at a system level.** Efforts to reduce personal bias can put the burden on individuals to change, and can ignore how systems themselves are often designed to reinforce "hidden in plain sight" biases.
- **Think downstream.** Improving diversity through hiring will fall flat without equal investment in mentorship and retention.
- **Use structure to provide consistency.** Structured approaches—like interview protocols and pre-determined criteria—can increase confidence in comparison without resorting to solely quantitative measures.

Chang, D.J., Chugh, M., Mehta, and E. Willmore (2019) Diversity Feedback: How Good News Feels and Goes Wrong in Group Contexts. *Academy of Management Journal*, 62(4), 412–434. <https://doi.org/10.5465/ajm.2017.0440>

Chang, D.J., Elsbach, K.S., and L. Willmore (2020) The Isolated Choice Effect and Organizational Management Science. *1-10*. <https://doi.org/10.1287/orsc.2020.1211>

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Debiasing Committee Composition and Deliberative Processes

Motivation and purpose:

Even well-meaning deliberative bodies and decision-making panels tasked with making judgments about promotion, tenure, grants, and hiring can be biased, and tend to reinforce existing power dynamics.

Being more deliberate and thoughtful about how committees are constructed and the rules by which they operate can reduce the likelihood of biased outcomes.

Diversify across characteristics to support a range of perspectives

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Connect committee composition to outcomes through representation of those who will be affected

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Research shows that making selection opt-out rather than opt-in can help boost inclusion of those who less comfortable with self-promotion³, or those who may not seem like "obvious" choices.

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Content overview:

Strategies and principles to create more diverse composition

Common traps to avoid

Suggestions for taking the long view (e.g. providing ECR exposure to downstream processes)

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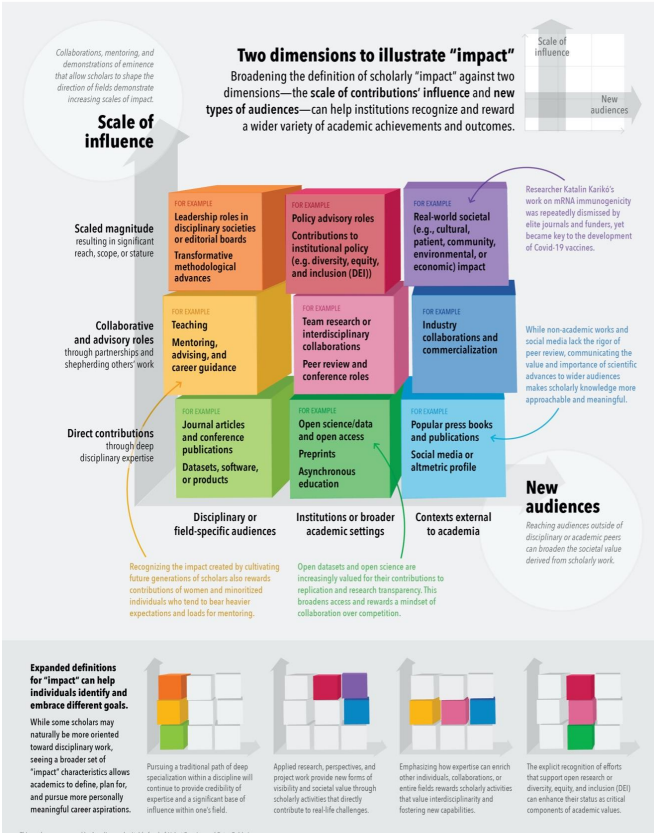
Increasing **systems thinking**

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Specific strategies to address particular kinds of bias within deliberative processes

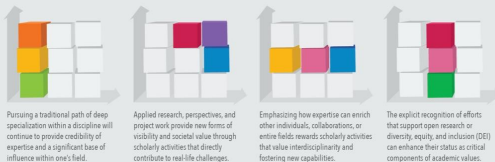


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Building Blocks for Impact

Motivation and purpose:

Traditional measures of scholarly impact like citations and grants tend to represent a very narrow view of impact that downplays or neglects interdisciplinary work, non-traditional measures, and real-world outcomes.

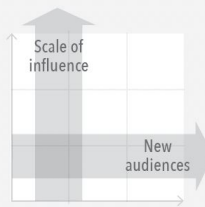
This tool introduces a framework and set of impact characteristics that expand on current conventions, allowing individuals and institutions to represent a wider array and scaled set of of scholarly contributions.

Collaborations, mentoring, and demonstrations of eminence that allow scholars to shape the direction of fields demonstrate increasing scales of impact.

Scale of influence

Two dimensions to illustrate "impact"

Broadening the definition of scholarly "impact" against two dimensions—the scale of contributions' influence and new types of audiences—can help institutions recognize and reward a wider variety of academic achievements and outcomes.



Content overview:

Two new axes for reframing "impact"

- Scale of influence
- Nature of the audience

General examples of the kinds of activities falling within each cell

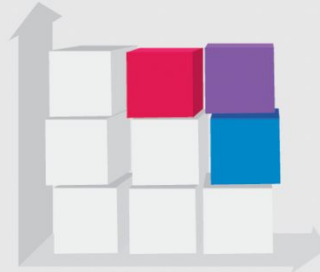
Exemplar and illustrative instances

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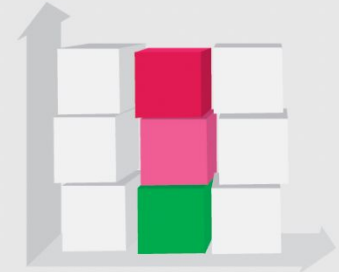
Pursuing a traditional path of deep specialization within a discipline will continue to provide credibility of expertise and a significant base of influence within one’s field.



Applied research, perspectives, and project work provide new forms of visibility and societal value through scholarly activities that directly contribute to real-life challenges.



Emphasizing how expertise can enrich other individuals, collaborations, or entire fields rewards scholarly activities that value interdisciplinarity and fostering new capabilities.



The explicit recognition of efforts that support open research or diversity, equity, and inclusion (DEI) can enhance their status as critical components of academic values.

Examples of archetypal and/or aspirational personas or clusters of characteristics; full coverage is not necessarily the goal

Not prescriptive; examples of how excellence might take different forms

Potential to represent varying expectations for ECR v. senior scholars

Questions about 2022 tools

- ***Where are these available?*** *On the DORA website under Resources and at Zenodo*
- ***Will there be more opportunities to give feedback or ask questions?*** *Comments/questions and examples or use cases can submitted through the DORA website or emailing info@sfdora.org*
- **What can we clarify about the tools' intent and design?**
- **How can DORA best support their use in your work or institution?**



Proposed tools and extensions for 2023

Expanding on 'impact'

- Gathering cases and examples of impact "in action"
- Practical strategies for adoption
- Visual frameworks for specific content (a la CRediT)

End-to-end careers

- Recognizing needs of different career stages
- 'Hidden curriculum' insights
- Transitions in or out of academia (i.e. skill translation)



Structured discussion on the 2023 proposed tools

- What specific aspects of these topics would you find most important or useful for us to focus on to address research assessment challenges?
- Who would be the best audiences for these proposed tools?
 - Example: Faculty, Hiring committees, etc.
- How might you use the proposed tools in your own context?
 - Example: Advocacy, guidance to create new policies or practices, etc.

Upcoming work

- Dashboard user testing
 - Sign up for emails at <https://sfdora.org/> (bottom right of the page) for future updates
- Share your story!
 - Email info@sfdora.org to let us know how you use these tools and to share outputs from their use!
 - #DORAIInAction #ProjectTARA
 - Follow & tag us @DORAssessment
- Blog summary and recording to be posted



Stay up to date and in touch!

- Project TARA webpage: sfdora.org/project-tara/
- Debiasing Committees tool:
<https://sfdora.org/resource/rethinking-research-assessment-debiasing-committee-composition-and-deliberative-processes/>
- Impact tool:
<https://sfdora.org/resource/rethinking-research-assessment-building-blocks-for-impact/>



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