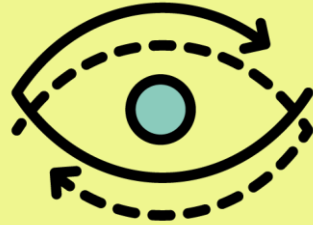


REPORT



TRUSTparenthood

TOOL FOR ASSESSING THE IMPLEMENTATION OF REPRODUCIBILITY INTERVENTIONS

Daniele Fanelli

TRUSTparenCy Intervention Experience Sharing Form

This form is designed to help you share experiences with pilot testing interventions aimed at increasing research reproducibility. Please provide as much detail as possible while keeping responses concise. All fields are optional, and the information will be shared anonymously unless you opt in for attribution by sharing your details. This form is part of the project's Reproducibility Promotion Plans.

Submission Date: _____ (YYYY-MM-DD)

Section 1: Submitter and Organization Information

1. Organization Name: _____
(E.g., University X, Research Institute Y)
2. Organization Type: (Check one or more)
 - ☐ Research performing organisation
 - ☐ Research funding organisation
 - ☐ Publisher/Journal
 - ☐ Industry/Private Sector
 - ☐ Other: _____
3. Contact Person (Optional):
Name: _____
Email: _____
Role: _____ (E.g., Research Integrity Officer)
4. Would you like your organization's name attributed to this submission?
☐ Yes ☐ No (Anonymous)

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Section 2: Intervention Details

5. Type of Intervention:
(Check one or more primary type and name the specific intervention/s – please refer to the list in the appendix for intervention types)
 - ☐ Open Policies
 - ☐ Planning & Training
 - ☐ Open Data
 - ☐ Methods & Reporting
 - ☐ Tools & Validation
Intervention name: _____
6. Brief Description of the Intervention:
(What exactly was implemented? Include key features, such as requirements, tools used, or enforcement methods. Limit to 200 words.)

- -----

7. Implementation Period:
 Start Date: _____ (YYYY-MM-DD)
 End Date: _____ (YYYY-MM-DD, or "Ongoing")
 Duration: _____ (E.g., 6 months, 2 years)
8. Scale of Implementation:
 Approximate number of projects affected: _____
 Approximate number of researchers involved: _____

Section 3: Target Group and Implementation Experience

9. Field(s) of Research: (Check all that apply or specify)
☐ Life Sciences/Biology
☐ Physical Sciences/Engineering
☐ Social Sciences/Psychology
☐ Humanities
☐ Medicine/Health
☐ Other: _____ (E.g., Interdisciplinary, Computer Science)
10. Category of Researchers Targeted: (Check all that apply)
☐ Undergraduate/Graduate Students
☐ Postdoctoral Researchers
☐ Faculty/Principal Investigators
☐ Support Staff (E.g., Lab Technicians)
☐ All Researchers in Organization
☐ Other: _____
11. Any Specific Inclusion/Exclusion Criteria? (E.g., only grant-funded projects, early-career researchers)

12. How Was the Intervention Rolled Out? (E.g., via policy memos, mandatory training sessions, integrated software tools, voluntary adoption. Limit to 150 words.)

Section 4: Outcomes and Evaluation

This section captures observed outcomes, required resources, challenges encountered (with a focus on potential sources of inequalities), and overall evaluation.

13. Benefits Observed: (What positive effects did you see? Include qualitative examples and any quantitative data, e.g., "Increased reproducibility rate from 60% to 85% in audited projects" or "Improved data reuse in follow-up studies".)
- A. Qualitative:
-
-
-
- B. Quantitative (if available):
- i. Metric 1: _____ (E.g., % of pre-registered studies) Value: _____
-
- ii. Metric 2: _____ Value: _____
- iii. Metric 3: _____ Value: _____
14. Resources Required: (Estimate the main resources invested or consumed during implementation.)
- A. Funds: _____ (E.g., \$10,000 for software/licenses/training; or "Minimal / No additional funding")
- B. Time: _____ (E.g., 15 hours per project on average; total staff hours: _____)
- C. Infrastructure / Other Resources:
-
- (E.g., new data repository access, computing hours, personnel support)
- Overall Resource Demand Rating: ☐ Low ☐ Medium ☐ High
15. Challenges Encountered:
- Rate the overall challenge level for each category (1-5, where 1 = No Challenge, 5 = Severe Challenge), describe specific issues (if any), and note any observed impacts on equity (e.g., disadvantages for certain groups such as early-career researchers, low-resource institutions, or specific fields). Limit descriptions to 100 words per subcategory.
- A. *Resources*
(Challenges related to availability of funds, time, and infrastructure, which may create disparities.)
- i. Funds: _____ (1-5)
Description and Equity Impacts:
-
-
-
- ii. Time: _____ (1-5)
Description and Equity Impacts:
-
-
-
- iii. Infrastructure: _____ (1-5)
Description and Equity Impacts:
-
-
-

B. *Receptivity*

(Challenges related to fit with community skills, culture, and regulations.)

i. Knowledge: _____ (1-5)

Description and Equity Impacts:

ii. Incentives: _____ (1-5)

Description and Equity Impacts:

iii. Regulations: _____ (1-5)

Description and Equity Impacts:

C. *Relevance*

(Challenges related to applicability to different types of research topics, methodologies, philosophies.)

i. Phenomena Stability: _____ (1-5)

Description and Equity Impacts:

ii. Methods Homogeneity: _____ (1-5)

Description and Equity Impacts:

iii. Philosophical Compatibility: _____ (1-5)

Description and Equity Impacts:

16. Unintended Consequences: (E.g., administrative burden leading to publication delays, or unexpected benefits like enhanced collaboration.)

A. Positive:

B. Negative:

17. Evaluation Methods Used: (Check all that apply)

☐ Surveys/Feedback from Participants

☐ Audits/Reviews of Projects

☐ Metrics Tracking (E.g., publication rates, data sharing compliance, citation impacts)

☐ Other: _____

18. Overall Effectiveness Rating: (On a scale of 1-5, where 1 = Not Effective, 5 = Highly Effective)

Rating: _____

Why? _____

Section 5: Lessons Learned and Recommendations

19. Key Lessons Learned: (What would you do differently next time? Limit to 150 words.)

20. Would You Recommend This Intervention to Others?

☐ Yes

☐ No

☐ Yes, with modifications

Modifications Suggested:

21. Additional Comments or References: (E.g., links to policies, data files, reports. If submitting digitally, attach files here.)

Thank You!

By submitting this form, you contribute to building a community of practice for research reproducibility.

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For questions, please contact the person who has been assigned to help you with pilot testing.

APPENDIX

List of categories of intervention types:

Open Policies

22. Journal policy on completeness of reporting
23. Journal policy on data sharing
24. Journal policy on registration
25. Journal awards open science badges
26. Results-free peer-review
27. Outcome-agnostic acceptance by journal
28. Funder policy on data management
29. Government policy on registration
30. Research institution provides support services

Planning & Training

Formulate the RQ
Preregistration
Optimization of study design
Statistical analysis plan
Standardization of experimental protocol
Researcher trained on study protocol
Research institution provides training
Research institution provides role models

Open Data

- Data repository
- Standardized file system structure
- Data storage solution
- Direct data deposition
- Researchers share data
- Data management tool
- Post-publication data requests
- Standardized data preparation procedure
- Data quality control

Methods & Reporting

- Researcher uses standard method for data acquisition
- Researcher uses standardized documentation framework (data collection)
- Software tool that documents data retrieval procedures
- Real-time procedure documentation
- Researcher uses common method for data analysis
- Tool to standardize data analysis procedures
- Researcher uses standardized documentation framework (data analysis)
- Use of reporting checklist

Tools & Validation

- Statistical tool to estimate power
- Bias analysis method
- Multiverse analysis

- Authors use effect-size filter
- Open workflow platform
- Peer-reviewer checks reporting
- Discrepancy review
- Replication

