Let’s All Agree on What We’re Counting and How:

*Progress on standards for new metrics in scholarship*

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Scholarship today is much more than journals
RDA Bibliometrics WG Survey of on data bibliometrics

What is currently missing and/or needs to be created for bibliometrics for data to become widely used? (n=92)

1) Standards
2) Data Citation
3) Consistent use of PIDs/DOIs
4) Culture change/"A belief that they are valid"

Are the methods you use to evaluate impact adequate for your needs?

- Yes: 68.5%
- No: 31.5%
How do we measure the impact of these different forms of output?
**Definition**

- **Identification**
  - Definition of METRIC:
    - 1. plural: a part of prose that deals with metric structure
    - 2. a standard of measurement: the metric system that can be applied directly to happiness — Scientific Monthly
  - True or False? Play our trivia game for a fun break.
  - Examples of METRIC:
    - according to the usual metric by which we judge fiction, this novel is an utter failure.
  - Origin of METRIC:
    - Greek me?trikos, from mesos 'middle' by measure, from metron 'measure' — more at measure
    - First Known Use: 1799
  - Related to METRIC:

**Granularity**

**Time Scale**

- sun
- horizons
- year
- century
- star field
- rete (shows horizons)
- moon

**Exchange**
I often sound like a broken record

- Defining what is to be counted = standards
- How to describe what to count = standards
- Identification of what to count = standards
- Procedures for counting or not = standards
- Aggregating counts from network = standards
- Exchange of what was counted = standards
NISO Alternative Assessment Metrics Initiative
Three working groups focused on new forms of assessment

A) Development of definitions and descriptions of use

B) Definitions for appropriate metrics and calculation methodologies for non-traditional output types. Also work toward promotion and facilitation of use of persistent identifiers

C) Development of strategies to improve data quality through source data providers
Group A: Development of definitions and descriptions of use

Conducted research to collect, collated and expand on existing definitions, concepts and use cases

Identified some elements where there is consensus, and identified others where there may be controversies. Working toward agreement

Second subgroup organizing and transforming research on a consolidated list of use cases into a set of formalized set
Group B: Non-traditional output types and Persistent identifiers

Reviewing existing work of related projects such as: COUNTER, bioCADDIE, RDA data publishing services, FORCE11 code citation working group

Brainstorming on what various non-traditional research outputs exist to determine what should be in scope for the work

Arranged partnership with a similar CASRAI group

General discussion on identifiers and applications
Group C: Strategies to improve data quality

Drafting a "Code of Conduct"

Recommendations focused on how data providers, aggregators and users should behave in order to introduce transparency and ensure that delivered data is trustworthy, replicable, consistently reported within and across sources, and accurately represents what it intends and/or purports to measure.
How to engage

Group C Draft released on Feb 25, 2016,
Group A Draft due by March 4, 2016
Group B draft due by March 17, 2016

Seeking public comment and reaction to these drafts.

Final Recommendations due in June 2016.
For more

Project Site:
www.niso.org/topics/tl/altmetrics_initiative/

White Paper:
Questions?

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