Alternative Metrics
Lessons Learned

Martin Fenner (PLOS)
Chair NISO Alternative Assessment Metrics
Working Group
Background

June 2013
Alfred P. Sloan Foundation grant to NISO

August 2013 – July 2014
Phase I: gather input from the community, published white paper

January 2015 – April 2016
Phase II: three working groups on five most relevant topics identified in phase I

http://www.niso.org/topics/tl/altmetrics_initiative/
Files in this package

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<td>This is the raw data behind the analysis. It contains one row for every mention of a 2007 GEO dataset in PubMed Central. Each row identifies the mentioned GEO dataset, the PubMed Central article that mentions the dataset's accession number, whether the authors of the dataset and the attributing article overlap, and whether this is considered an instance of third-party data reuse.</td>
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Descriptions of how the main use cases apply to and are valuable to the different stakeholder groups

Group A
Co-Chairs Mike Schowalter and Michael Habib
Data from: Data archiving is a good investment

- **Publication Date**: April 28, 2011
- **Type**: dataset
- **DOI**: 10.5061/dryad.j1fd7
- **Publisher URL**: http://datadryad.org/resource/doi:10.5061/dryad.j1fd7
- **Mendeley**: http://www.mendeley.com/research/data-archiving-good-investment-address-education-inequality-india-fund-experiments-atmospheric-hazar

### 2013

**Altmetrics: Value all research products**

### 2011

**Data archiving is a good investment**
Development of specific definitions for alternative assessment metrics

Group A
Co-Chairs Mike Schowalter and Michael Habib
<table>
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<td>0000-0003-1613-5981</td>
<td>Heather</td>
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https://orcid.org/orcid-search/quick-search/?searchQuery=%2210.5061%2Fdryad.j1fd7%22&rows=100
Promotion and facilitation of use of persistent identifiers in scholarly communications

Group B
Co-Chairs Kristi Holmes and Mike Taylor
Data archiving is a good investment

Address education inequality in India

Fund experiments on atmospheric hazards

Noisy oil exploration disrupts marine life

by Heather A Piwowar Dryad, Michael C Whitlock, Michael Stocker Ocean

Biological Sciences › Miscellaneous Papers

Overview

(2011)

Pages: 2011

DOI: 10.5061/dryad.j1fd7

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Data archiving is a good investment.


93 readers

Definitions for appropriate metrics and calculation methodologies for specific output types

Group B

Co-Chairs Kristi Holmes and Mike Taylor
Total number of events for 1,000 random 2013 PLOS ONE DOIs.

http://dx.doi.org/10.6084/m9.figshare.1041821
Development of strategies to improve data quality through source data providers

Group C
Co-Chairs Stefanie Haustein and Greg Tananbaum
Thank you!

With special thanks to

Todd Carpenter
Nettie Lagace
Juliana Wood
Alfred P. Sloan Foundation

Michael Habib
Mike Schowalter
Mike Taylor
Kristi Holmes
Stefanie Haustein
Greg Tananbaum