Are we ready for data citation metrics?

CHORUS Forum

Stefanie Haustein | @stefhaustein
Are we ready for data metrics?

No.
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How to create metrics

→ Good metrics
  → More than a number.
  → Used to complement qualitative evaluation.
  → Open, transparent and reproducible.
  → Provide context.
  → Normalize for known differences.
  → Incentivize positive behavior.

→ Bad metrics
  → Simplistic and reductionist.
  → Used to replace peer evaluation.
  → Flawed design.
  → Proprietary and irreproducible.
  → Create adverse effects.
Are we ready for data metrics?

No metadata, no metrics
What needs to happen next?
Next steps to data citation metrics

→ Engage all stakeholders so that data is formally cited in references lists.

→ Get repositories to collect more and better metadata.

→ Create evidence on data sharing and citation patterns across disciplines.
What needs to happen now?

Meaningful Data Counts research project

Quantitative approach
- Data sharing and citation patterns
  - Bibliometric analysis
- Data sharing and citation motivation
  - Survey

Qualitative approach
- Data sharing and citing behavior
  - Semi-structured interviews

Theoretical approach
- Development of a data citation theory

MDC
Bibliometric dashboard

Developed by partner grant
Thank you!

Stefanie Haustein | stefanie.haustein@uottawa.ca | @stefhaustein