DATA PUBLISHING — WORKFLOWS —

RDA-WDS Data Publishing Workflow Group

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Data Publishing Models – Workflows –

• First comprehensive review of current data publishing
  • Data repositories and data journals
  • Building blocks, best practices
• Recommendations for trusted data publishing
• Reference models for researchers, repositories, publishers who wish to publish data
  • Including links/recommendations to/for shared/open sources tools to re/use for individual workflow components
  • “beginner’s guide”
Workflow Analysis

Traditional research visibility

1. RESEARCH DATA REPOSITORY
   - QA/QC
   - Data deposit
   - Ingest
   - Version control
   - DATA, CODE, METADATA Administration & Long-term archiving
   - Publishing Dissemination & Access
   - Services

2. RESEARCH DATA JOURNAL
   - Submission
   - Version control
   - Editing
   - DATA ARTICLE
   - Peer review
   - Publishing Dissemination & access
   - Services

End user 1

End user 2

End user 3

Research methodology

Analyze Interpret

Data Metadata QA/QC

Data & metadata; QA/QC

Commented computer code

Describe data & methods

Traditional journal (RESULTS ARTICLE)

Website

Peer review
Data Publishing Building Blocks

Basic published product
- Primary data entry with PID
  - Repository entry
  - Metadata
  - Curation

Parallel data description
- Data paper or link to it
- Link to Results paper

Add-ons: Workflows for more documentation, QA/QC, visibility
- Linked and published
  - Quality assured
  - Quality controlled

- Editing process
- Peer review
- Enhanced curation

Additional visibility
- Push to ORCID, author pages, impact/reputation tools
- Enable index (Data citation index, crawled by Google)
What we need

What we've addressed