



Research Data Alliance, Third Plenary  
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# Considerations on Data Policy

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# CODATA and Data Policy

Strengthen international science for the benefit of society by promoting improved scientific and technical data management and use.

**OECD Principles and Guidelines for Access to Research Data from Public Funding**

## Data Policy Expertise

## Data Citation

# Out of Cite, Out of Mind

[http://bit.ly/oecd\\_principles](http://bit.ly/oecd_principles)



## GEO DSWG

CODATA Report: [http://bit.ly/out\\_of\\_cite](http://bit.ly/out_of_cite)

Data Citation Principles: [http://bit.ly/data\\_citation\\_principles](http://bit.ly/data_citation_principles)

Data Sharing Principles  
Data Sharing Working Group

## Principles & Implementation

GEO DSPs: [http://bit.ly/GEO\\_DSPs](http://bit.ly/GEO_DSPs)

CODATA and GEO DSWG: [http://bit.ly/CODATA\\_GEO\\_DSWG](http://bit.ly/CODATA_GEO_DSWG)

# Types of Data Policies

## International Quasi-Governmental Principles

- e.g. OECD
- High level principles, charting a direction of travel

## Research Funder Policies

- Expectations
- Some consultations but generally more prescriptive

## Research Institution Policies or Codes

- Codes of conduct
- Sometimes aspirational
- Response to funders
- Responsibilities of researchers and institutions

## International Data Sharing or Research Initiative Agreements or Principles

- e.g. Genome Agreements, IPY, GEOSS, Future Earth?
- Broad principles of engagement
- Community norms

## Community Norms in Journal Data Availability Policies

- E.g. Dryad JDAP, IUCr Journals,
- Expression of research community norms, practice



# Community Norms and Journal DAPs

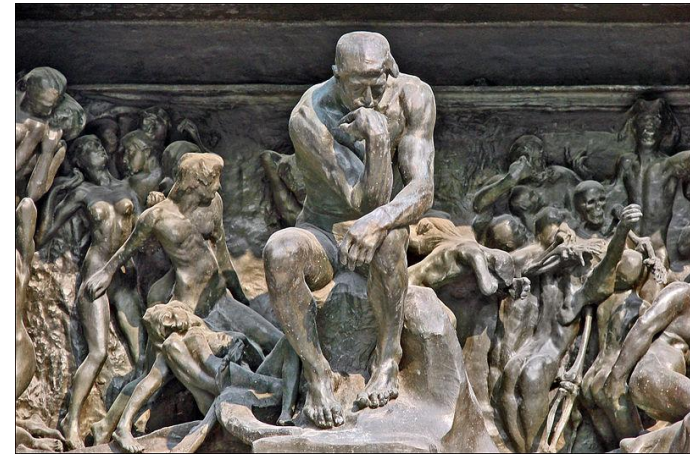
- Government or funders data policies increasingly prevalent (OSTP, H2020, various national funders).
- How will these policies be implemented? Importance of research community participation.
- Community Norms have been particularly effective (Bermuda and Fort Lauderdale agreements in genomics; CIF and IUCr etc.)
- **Challenges: how to...**
  - develop research community input on policy implementation?
  - improving understanding of implementation challenges and requirements?
  - advocate proportional and coordinated response to policy directives?
- Dryad Joint Data Archiving Policy: <http://datadryad.org/jdap>
- Joint declarations from journal editorial boards, Feb 2010, in American Naturalist, Evolution, the Journal of Evolutionary Biology, Molecular Ecology, Heredity, and other key journals in evolution and ecology: <http://www.journals.uchicago.edu/doi/full/10.1086/650340>
- PLoS convened workshop at IDCC. Two clear recommendations: journal DAPs, journal data citation policy.
- Requires engagement and involvement of journal editorial boards.





# International Dimensions of Data Policies

- How do data policy issues play out internationally?
- Strong engagement of many countries with data sharing initiatives like GEO.
- Resistance to giving away intellectual assets for free? Fundamental challenge of economic inequality and access to infrastructure.
- Address data policy and sharing issues in international science programmes.
- **CODATA International Data Policy Committee:**
  - better understanding of international policy landscape.
  - guidelines and other activities to encourage adoption and implementation.





# Thank for your attention!

CODATA Blog: <http://codata.org/blog/>

SciDataCon 2014: <http://www.scidatacon2014.org/>

Call for Task Groups: <http://bit.ly/CODATA-TG-CFP>

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