

Citation and credit: The role of researchers, journals, and repositories to ensure data, software and samples are linked to publications with proper attribution.

EGU ESSI3.3, 27 April 2021

Shelley Stall¹, Helen Glaves², Brooks Hanson¹, Kerstin Lehnert³, Erin Robinson⁴, and Lesley Wyborn⁵

¹ American Geophysical Union, Washington, United States of America (sstall@agu.org, bhanson@agu.org)

² British Geological Survey, Nottinghamshire, United Kingdom (hmg@bgs.ac.uk)

³ Columbia University, Palisades, United States of America (lehnert@ldeo.columbia.edu)

⁴ Open Science Leadership Coaching, Boulder, United States of America (erinmr@gmail.com)

⁵ Australian National University, Canberra, Australia (lesley.wyborn@anu.edu.au)



Journal and Repository Community Engagement

- Inception in 2014
- 500+ Stakeholders;
- More than 225 signatories of the Enabling FAIR Data Commitment Statement

COPDESS

Coalition for Publishing Data in the Earth and Space Sciences

COPDESS ▾

Enabling FAIR Data ▾

Data Help Desk / Data FAIR ▾

Editor Workshop Webinar Series

Events



COPDESS

<https://copdess.org>

COPDESS is a collaboration among research repositories, scholarly publishers, and other stakeholders focused on jointly developing, implementing, and promoting leading practices around the preservation and citation of data, software, and physical samples that lead toward credit and reuse in the Earth, space, and environmental sciences.

COPDESS FOCUS AREAS

- **Citation practices** for research outputs including data, software, and physical samples in scientific publications
- Best practices and **resources for journal editors and staff**
- **Support domain repositories** in the Earth, environmental, and space sciences
- **Connect researchers with appropriate repositories;** and
- **Improving the workflows** around FAIR scientific data and software and especially for between data repository discovery, ingest and curation, and journal peer review, publication, and post-publication linking and discovery.

Current efforts on data and software management, sharing, and citation:

1. Software Citation Guidance for Developers, Authors and Journals by FORCE11 Working Group
2. COPDESS Editor Workshop Webinars
 - a) The Intersection of the Data Repository and Journal Workflow -- Coordination of Data Preservation with the Paper Peer-Review Process, 12 April
 - b) Overview of the Software Citation Guidance for Authors and Journals by the FORCE11 Software Citation Implementation Working Group, 17 May
 - c) Rubric for Models and Model Data -- Best Practices for Preservation and Replicability, 28 May
3. Author Guidance for Data and Software – Tuned to Needs of Journal Discipline - AGU's Journal Specific Guidance
4. New Community of Practice to Address Difficult Data Citation Challenges – starting with use case where there are 100+ data citations in a paper
5. CoreTrustSeal Cohort for repositories with Earth, space, and environments science data holdings (certification fee is covered for first 25 repositories)

Resources and Links

- **Coalition for Publishing Data in the Earth and Spaces Sciences (COPDESS):** <https://copdess.org>
- **Enabling FAIR Data Project:** <https://copdess.org/enabling-fair-data-project/>
- **Enabling FAIR Data Project Commitment Statement:** <https://copdess.org/enabling-fair-data-project/commitment-statement-in-the-earth-space-and-environmental-sciences/>
- **Enabling FAIR Data Project Commitment Statement Signatories:** <https://copdess.org/enabling-fair-data-project/commitment-statement-in-the-earth-space-and-environmental-sciences/signatories/>
- **Software Citation Guidance**
 - **Journals:** Katz DS, Chue Hong NP, Clark T et al. Recognizing the value of software: a software citation guide [version 2; peer review: 2 approved]. *F1000Research*2021, **9**:1257 (<https://doi.org/10.12688/f1000research.26932.2>)
 - **Authors:** Chue Hong, Neil P., Allen, Alice, Gonzalez-Beltran, Alejandra, de Waard, Anita, Smith, Arfon M., Robinson, Carly, ... Pollard, Tom. (2019, October 15). Software Citation Checklist for Authors (Version 0.9.0). Zenodo. <http://doi.org/10.5281/zenodo.3479199>
 - **Developers:** Chue Hong, Neil P., Allen, Alice, Gonzalez-Beltran, de Waard, Anita, Smith, Arfon M., Robinson, Carly, ... Pollard, Tom. (2019, October 15). Software Citation Checklist for Developers (Version 0.9.0). Zenodo. <http://doi.org/10.5281/zenodo.3482769>

Resources and Links

- **COPDESS Editor Workshop Webinars (information and registration)**
 - <https://copdess.org/editor-workshop-webinar-series/>
- **AGU Journal Specific Guidance for Data, Software and Models**
 - <https://www.agu.org/Publish%20with%20AGU/Publish/Author%20Resources/Data%20for%20Authors>
- **New Community of Practice to Address Difficult Data Citation Challenges**
 - **Website:** <https://agu-data.github.io/DataCitationCoP/>
 - **April 8th session on DOI Collections recording/slides:**
<https://zenodo.org/record/4673622#.YIbaEy2ca1s>
- **CoreTrustSeal Cohort (email: Rebecca Koskela, rebecca.koskela@rda-foundation.org)**
 - https://www.rd-alliance.org/system/files/documents/Successes_%26_challenges_of_certification_efforts_of_Enabling_FAIR_Data_project%20-%20Rebecca_Koskela%20%28Slides%29.pdf

COPDESS Town Hall

TM11| **Data sharing in the Earth and space sciences: Progress and Challenges**

26 April 2021, 17:30 CEST | 11:30 ET

For more information on the current work of COPDESS, please review the [recording](#) and notes are on the COPDESS Events page: <https://copdess.org/events/>

Description: The international Earth and space science community has been working hard to make data sharing a common practice. During this townhall we will provide updates on the current focus areas of COPDESS - The Coalition on Publishing Data in the Earth and Space Sciences, other relevant work being led across our community, and opportunities to participate in upcoming workshops. COPDESS is currently working on challenges with data citation, software citation, supporting journal editors and staff, connecting researchers with appropriate repositories and improving the workflow between data repository ingest and curation and journal peer review.

Thank you.



Shelley Stall, AGU Senior Director, Data Leadership

sstall@agu.org

[@ShelleyStall](https://twitter.com/ShelleyStall)

<https://orcid.org/0000-0003-2926-8353>

