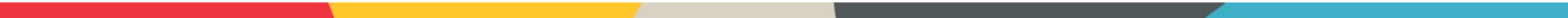
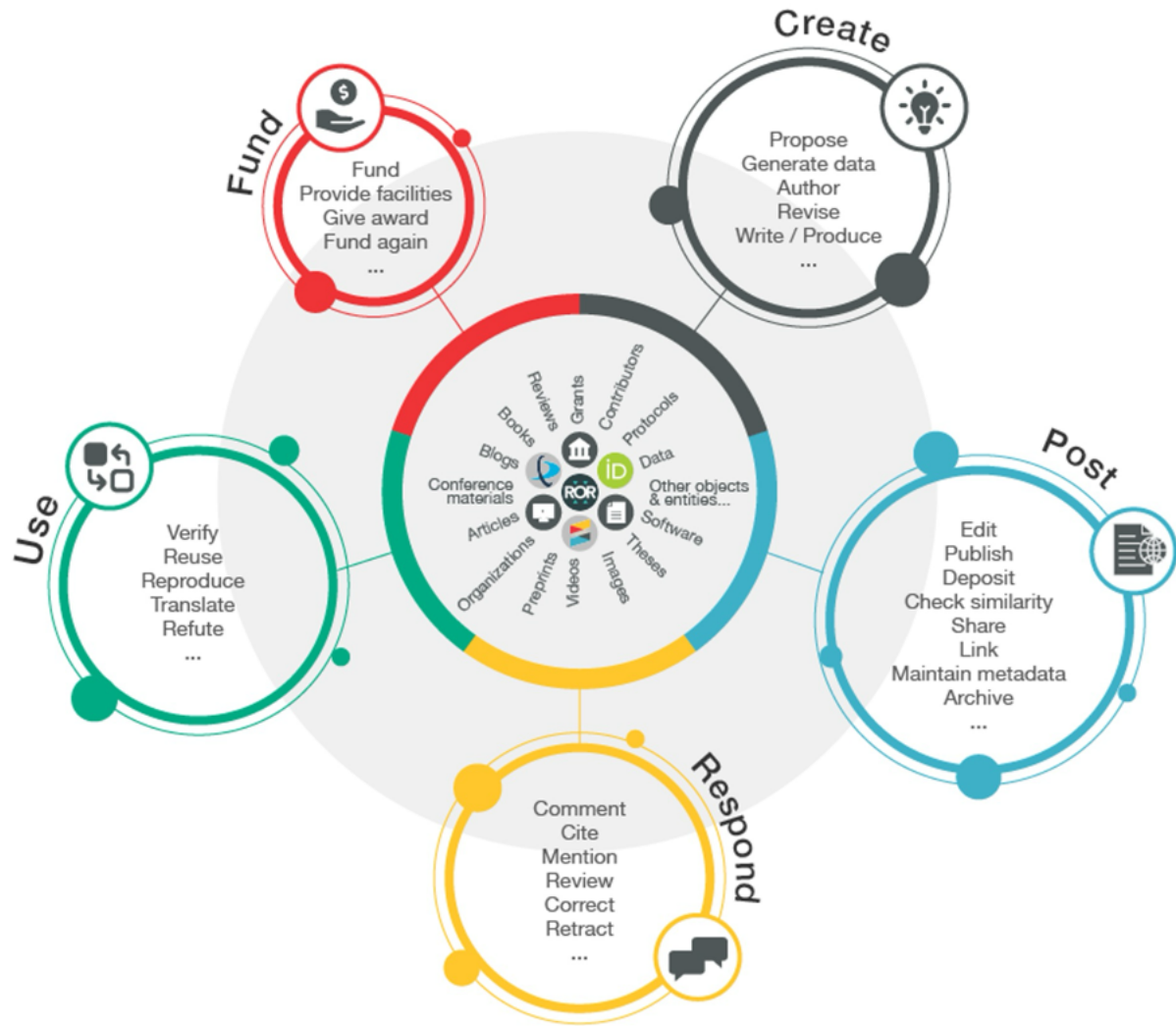




# Crossref in brief

- >19,000 organisational members from 151 countries
  - 38% are university/faculty or other research institution
  - 156+ million open metadata records with a DOI
  - 1.1 billion DOI resolutions every month
  - 1000s systems reusing metadata through search/API
  - Technical solution but also a community convener
  - POSI-compliant nonprofit open infrastructure
  - 47 staff across 7 time zones and 10 countries
- 

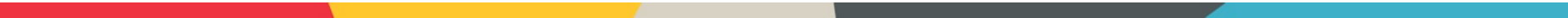


# WHAT WE'RE AIMING FOR

- Bringing together the disparate pieces of the scholarly record
- Better view of relationships (beyond PIDs)
- Exposing internal stuff publicly
- Enabling multi-party assertions
- Evidence. Provenance. Persistence.
- **60% of this is possible, the rest is aspirational**



# Joint statement on research data

- Publishers set appropriate journal data policies, describing the way in which data is to be **shared alongside the published article**.
  - Publishers set instructions for authors to **include Data Citations with persistent identifiers in the references section of articles**.
  - **Publishers include Data Citations and links to data in Data Availability Statements with persistent identifiers (DOIs where available) in the article metadata registered with Crossref.**
  - In addition to Data Citations, Data Availability Statements (human- and machine-readable) are included in published articles where appropriate.
  - Repositories and publishers connect articles and datasets through **persistent identifier connections in the metadata and reference lists**.
  - Funders and research organizations provide researchers with guidance on open science practices, track compliance with open science policies where possible, and promote and incentivize researchers to **openly share, cite and link** research data.
- 

# Start citing data now. Not later



[Geoffrey Bilder](#) – 2023 March 23

In [Metadata](#), [Citation](#), [Data Citation](#), [Research Nexus](#)

Recording data citations supports data reuse and aids research integrity and reproducibility. Crossref makes it easy for our members to submit data citations to support the scholarly record.

## TL;DR

Citations are essential/core metadata that all members should submit for all articles, conference proceedings, preprints, and books. Submitting data citations to Crossref has long been possible. And it's easy, you just need to:

- Include data citations in the references section **as you would for any other citation**
- Include a DOI or other persistent identifier for the data if it is available - just **as you would for any other citation**
- Submit the references to Crossref through the content registration process **as you would for any other record**

And your data citations will flow through all the normal processes that Crossref applies to citations. And it will be distributed openly to the community (including DataCite!) via Crossref's services and APIs. All data citations deposited with Crossref will be exposed in the (soon-to-be launched) [Data Citation Corpus](#).

And then, you can sit back and congratulate yourself for making your publication more useful to researchers who want to be able to reuse the data underlying your publications.

<https://www.crossref.org/blog/start-citing-data-now.-not-later/>

Abstract

<https://doi.org/10.1016/j.cell.2015.09.034> | [PubMed](#) | [Google Scholar](#)

Introduction

Katsov AY, Clandinin TR (2008) **Motion processing streams in *Drosophila* are behaviorally specialized** *Neuron* 59:322–335.

<https://doi.org/10.1016/j.neuron.2008.05.022> | [PubMed](#) | [Google Scholar](#)

Results

Data

Katsov AY, Freifeld L, Horowitz M, Kuehn S, Clandinin TR (authors) (2017) **Data from: dynamic structure of locomotor behavior in walking fruit flies** Dryad Digital Repository.

<https://doi.org/10.5061/dryad.854j2>

Discussion

Materials and methods

Data availability

References

Article and author information

Metrics

Kutch JJ, Kuo AD, Bloch AM, Rymer WZ (2008) **Endpoint force fluctuations reveal flexible rather than synergistic patterns of muscle cooperation** *Journal of Neurophysiology* 100:2455–2471.

<https://doi.org/10.1152/jn.90274.2008> | [PubMed](#) | [Google Scholar](#)

Liu KS, Sternberg PW (1995) **Sensory regulation of male mating behavior in *Caenorhabditis elegans*** *Neuron* 14:79–89.


[https://doi.org/10.1016/0896-6273\(95\)90242-2](https://doi.org/10.1016/0896-6273(95)90242-2) | [PubMed](#) | [Google Scholar](#)

## Version of Record

Accepted for publication after peer review and revision.

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4,291 views, 20 citations

Version of Record updated

August 29, 2017 (This version)

Version of Record updated

August 18, 2017 · (Go to version)

Version of Record published

July 25, 2017 · (Go to version)

Accepted

This eLife article: <https://doi.org/10.7554/eLife.26410> cites this dataset in Dryad <https://doi.org/10.5061/dryad.854j2>

## input (XML)

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  <cYear>2017</cYear>
  <article_title>Data from: dynamic structure of locomotor behavior in walking fruit flies</article_title>
  <doi>10.5061/dryad.854j2</doi>
</citation>
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## output (JSON)

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  "year": "2017",
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