Registering Grants with Crossref: Next steps, workflows & the bigger picture
Participants include

- Wellcome (via EuropePMC)
- Chan Zuckerberg Initiative (CZI)
- James S. McDonnell Foundation
- Gordon and Betty Moore Foundation
- Australian Research Data Commons
- OSTI/DOE
- Simons Foundation
- Swiss National Science Foundation
- Wiener Wissenschafts-, Forschungs- und Technologiefonds (WWTF)/Vienna Science and Technology Fund
- Japan Science & Technology Agency
- European Research Council
- Science Foundation Ireland
- Human Frontier Science Program (HFSP)
- International Anesthesia Research Society
- Melanoma Research Alliance
- Children’s Tumor Foundation
- Tuberous Sclerosis Alliance
- Danmarks Frie Forskningsfond
- The ALS Association
- The European Commission
- American Cancer Society
- FCT Portugal
- Cure PSP
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The full Grant ID enables external systems e.g. manuscript submission systems and grant tracking systems to pull accurate, funder-provided information on the grant from the Crossref metadata, reducing manual data entry.
The first registered grants

Wellcome grants in Crossref

https://doi.org/10.35802/107769

https://doi.org/10.35802/207522
The DOIs resolve to a landing page that contains information about the grant (Wellcome’s are hosted by EuroPMC who also deposit the grant metadata with Crossref for them).
The Grant DOIs can also start to be tied to publications. This example from PLOS ONE cites the two Wellcome Grant IDs we just saw. PLOS collected this information from the authors upon submission, and it can then be passed to Crossref in the publisher metadata when the article DOI is registered.
Finally, the information is made available by Crossref’s APIs. This will allow funders (and anyone else) to search Crossref using the Grant ID and find all the published outputs that Crossref can see associated with that grant, or the funder overall. The results can then be faceted or filtered, or imported into funder systems.
Work in progress

- Availability via Crossref REST API
- Schema 5.0 work to accept grant identifiers in publication metadata (includes support for ROR)
- Helper tool(s) to simplify content registration
- Additions to grants schema
- Governance
Work in progress

- Growing corpus of registered grants
- Awareness across:
  - Funders
  - Metadata users
  - Research institutions
  - Publishers & service providers

Linking with ORCID & DataCite
The big picture...

...is bigger than this...

Funder joins Crossref as member

Funder registers grant & shares ID with awardee

Awardee passes grant ID to publisher on submission

Publisher gets Crossref grant metadata & matches to output

Publisher adds grant ID to Crossref metadata record

Fundies (others) search for all outputs related to the grant
The big picture

- **Linking grants to *all* outputs** related to a grant e.g. data, software, preprints, policy papers, reports *without manual reporting* (and being able to see the license information related to that content)
  - In future, potential for compliance-checking on publication/data-sharing policies
- **Auto-update workflow to ORCID** can automatically populate ORCID records to give a more-comprehensive picture of their research without them having to do it
  - Auto-suggest for manuscript submission systems, data repositories etc. saves time and manual data-entry
- **Multiple ways of looking at research outputs** related to grants
- **Open, transparent grant information** across research support via one central source
Feedback and questions welcome!

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