Credit and Attribution for Research Data

Martin Fenner
DataCite Technical Director
http://orcid.org/0000-0003-1419-2405
RDA/WDS Publishing Data
Bibliometrics WG
Kerstin Lehnert, Todd Carpenter, John Kratz
Joint Declaration of Data Citation Principles

https://www.force11.org/datacitation
2. Credit and Attribution

Data citations should facilitate giving scholarly credit and normative and legal attribution to all contributors to the data, recognizing that a single style or mechanism of attribution may not be applicable to all data.
Does CC0 require others who use my work to give me attribution?

No, and that's a big difference between CC0 and our licenses. Unlike our licenses, there are no conditions contained in CC0. Just like anything in the public domain, it will be possible for others to use or adapt it however they wish without attribution. However, this does not mean that you cannot request attribution in accordance with community or professional norms and standards.

https://wiki.creativecommons.org/wiki/CC0_FAQ
Persistent Identifiers IG
Tobias Weigel, Adrian Burton, Josh Brown, and Laura Paglione
THOR is funded by the European Commission under call H2020-EINFRA-2014-2, project number 654039
### DataCite Profiles

**Settings**

**Your Account**

- **Name**: Martin Fenner
- **Other Names**: M Fenner, MH Fenner, Martin H. Fenner, Martin Hellmut Fenner
- **ORCID**: [http://orcid.org/0000-0003-1419-2405](http://orcid.org/0000-0003-1419-2405)

**ORCID Search and Link**

Add works you find via DataCite Search to your ORCID record.

```
"0000-0003-1419-2405" OR "Martin Fenner" OR "Fenner, Martin" OR
```

**ORCID Auto-Update**

Have works with your ORCID identifier automatically added to your ORCID record.

**enabled**

```
**disable**
```

[https://profiles.labs.datacite.org](https://profiles.labs.datacite.org)
omniauth-orcid: v.1.0
Gudmundur A. Thorisson & Martin Fenner
Software published 2015 via Zenodo
omniauth-orcid is a Ruby gem that enables authentication with the ORCID registry via oauth2. oomniauth-orcid 1.0 was released on July 25, 2015 with the following changes: changed default scope to authenticate, and use the public API https://pub.orcid.org by default. These settings work for non-members. added name and email to the info hash returned by omniauth (email will be empty in almost all cases) cleaned up documentation in README.md
Research funded by European Commission

http://doi.org/10.5281/ZENODO.21429

D2.2 Kickoff report
ODIN Consortium, Martin Fenner & Gudmundur Thorisson
Paper published 2013 via Figshare
http://doi.org/10.6084/M9.FIGSHARE.107019

http://search.labs.datacite.org
OmniAuth ORCID

DOI: 10.5281/zenodo.21429

ORCID OAuth 2.0 Strategy for the OmniAuth Ruby authentication framework.

Provides basic support for connecting a client application to the Open Researcher & Contributor ID registry service.

Originally created for the ORCID example client application in Rails, then turned into a gem.
Continuous 25-years aerosol records at coastal Antarctica: Part I. Variability and climate implications of ionic compounds, supplement to: Weller, Rolf; Wagenbach, Dietmar; Legrand, Michel R; Elsässer, Christoph; Tian-Kunze, Xiangshan; König-Langlo, Gert (2011): Continuous 25-yr aerosol records at coastal Antarctica - I: inter-annual variability of ionic compounds and links to climate indices. Tellus Series B-Chemical and Physical Meteorology, 63(5), 901-919

Rolf Weller, Dietmar Wagenbach, Julien Legrand, Christoph Elsässer, Xiangshan Tian-Kunze & Gert König-Langlo

Supplementary Dataset published 2011 via PANGAEA - Data Publisher for Earth & Environmental Science

The aerosol climatology at the coastal Antarctic Neumayer Station (NM) was investigated based on continuous, 25-yr long observations of biogenic sulphur components (methanesulphonate and non-sea salt sulphate), sea salt and nitrate. Although significant long-term trends could only be detected for nitrate (-3.6 ± 2.5% per year between 1983 and 1993 and +4.0 ± 3.2% per year from 1993-2007), non-harmonic periodicities between 2 and 5 yr were typical for all
If you authorize Crossref and DataCite to update your ORCID record

and you add your ORCID to your paper or dataset submission

when your publication gets a DOI, your ORCID record will get updated

http://orcid.org/blog/2015/10/26/auto-update-has-arrived-orcid-records-move-next-level
Author Contributions

Conceived and designed the experiments: PD AMN. Performed the experiments: AMN BW AKH. Analyzed the data: AMN AKH JR MB PD. Contributed reagents/materials/analysis tools: JR MJ MB. Wrote the paper: AMN PD.

http://doi.org/10.1371/journal.pgen.1005087
Project CRediT

http://casrai.org/CRediT
http://www.gigasciencejournal.com/content/3/1/18/about#open-badges
3. Evidence

In scholarly literature, whenever and wherever a claim relies upon data, the corresponding data should be cited.
For **evidence** we want to cite data as granular as possible.

For **credit and attribution** we want to cite data as broadly as possible.
Challenges with Specificity

• versions
• slicing of fixed but large data
• dynamic data

For dynamic data the RDA Working Group on Data Citation recommends timestamped queries, but discussion is still ongoing

FRBR - Functional Requirements for Bibliographic Records

Ontology to describe different representations of a work

- work
- expression
- manifestation
- item

Butterfly genome reveals promiscuous exchange of mimicry adaptations among species
Europe PMC: 181 | Saved: 453 • Discussed: 25

The timing of eukaryotic evolution: Does a relaxed molecular clock reconcile proteins and fossils?
Europe PMC: 143 | Saved: 336

Extensive Sex-Specific Nonadditivity of Gene Expression in Drosophila melanogaster
Europe PMC: 113 | Saved: 80

Episodic radiations in the fly tree of life
Europe PMC: 100 | Saved: 305 • Discussed: 7

Sharing Detailed Research Data Is Associated with Increased Citation Rate
Europe PMC: 70 | Saved: 614 • Discussed: 2

Cross-biome metagenomic analyses of soil microbial communities and their functional attributes
Europe PMC: 69 | Saved: 618 • Discussed: 2

http://dlm.datacite.org/sources/pmceurope
Aggregation and Relations

Data from: Not the time or the place: the missing spatio-temporal link in publicly available genetic data
Lisa C. Pope, Libby Liggins, Jude Keyse, Silvia B. Carvalho & Cynthia Riginos
DataPackage published 2015 via Dryad Digital Repository

http://doi.org/10.5061/DRYAD.KG943

https://search.labs.datacite.org/?q=10.5061%2FDRYAD.KG943
http://dliservice.research-infrastructures.eu
Research Data Switchboard

http://www.rd-switchboard.org
CrossRef and DataCite collaborate on tracking links to DOIs, including DOI<->DOI links

http://ls.datacite.org

http://det.crossref.org
Thank You