What are Persistent Identifiers (PIDs) and what can I do to benefit of them



5.1 Data and Information Management

Coffee Lecture Bibliothek des Wissenschaftsparks Albert Einstein

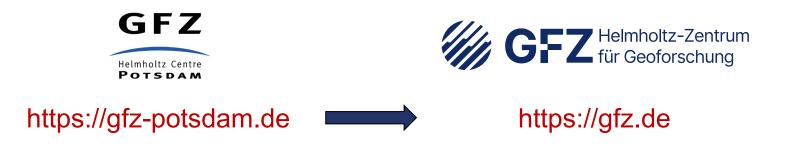
17 January 2025, kelger@gfz.de





What is a persistent identifier?

A persistent identifier (PID) is a **unique code of a digital resource** that can be **permanently** referenced on the Internet. This **prevents dead links** from being created if, for example, publishers change the Internet address of a server. (modified from Forschungsdaten.info)







What PIDs are mostly used?



for texts, data, software

https://doi.org/10.5880/fidgeo.2021.049 (Data)



ORCID iD: uniquely identifying persons

https://orcid.org/0000-0001-5140-8602 (K. Elger)

ROR **PID for Institutions**

https://ror.org/04z8jg394 (GFZ)



Crossref List of funders with DOIs Funder Registry

http://doi.org/10.13039/501100001659 (DFG)



Persistent Identification of Instruments (PIDinst)

https://hdl.handle.net/11708/37B4E3C1-3DCC-4B7B-B475-87A3177F6030 (seismic sensor @ GIPP, GFZ)

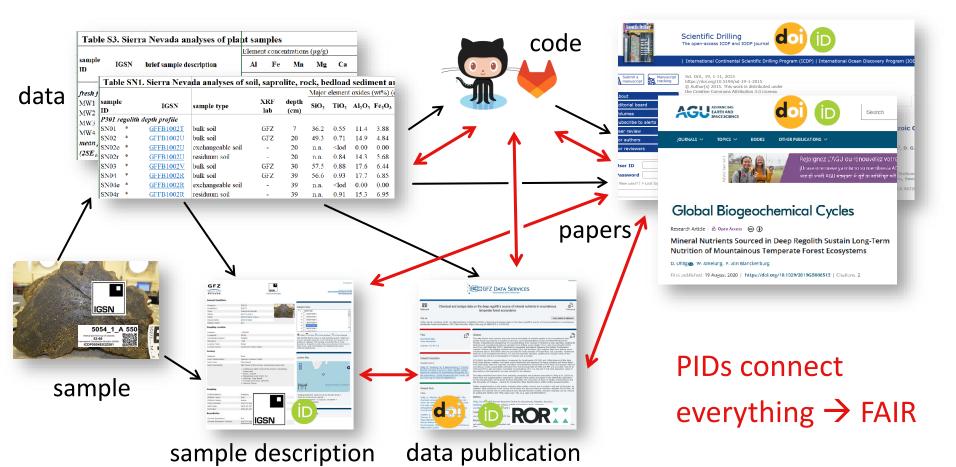


Int. Generic Sample Number: PID for physical samples

https://igsn.org/GFFJH00AD (Rock sample)

 \rightarrow PIDs are resolvable and machine-actionable

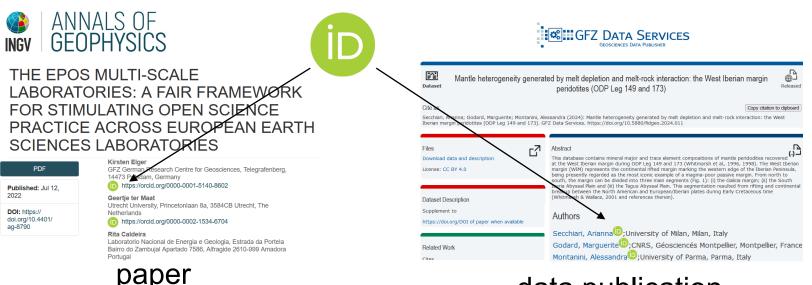
Connecting research outcomes via PIDs



What can I do to benefit of PIDs?

ORCID

Get yourself an ORCiD and always provide it in any text, data or software publications (<u>https://orcid.org</u>)



data publication

What can I do to benefit of PIDs?

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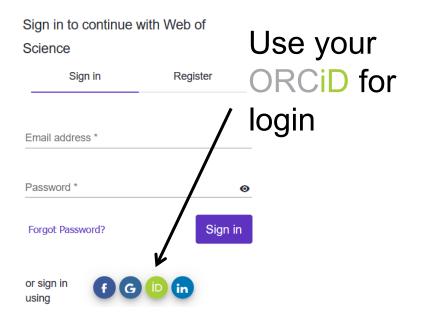
Wissenschaftlerin Dr. Kirsten Elger 5.1 Daten- und Informationsmanagement



' Helmholtz-Zentrum

Adding your ORCiD to your GFZ profile ensures that it is verified by you!

Welcome!



More to ORCID

GMIT 87 (March 2022)

FIDGEO -

FID GEO latest: Recommendations for using ORCID iD

In an increasingly connected scientific landscape, the growing number of published research outputs (data, text, software) and new open publishing models pose major challenges for scientific publication management. A persistent problem in the publication process is the globally unambiguous attribution of individual authors to For repositories such as GEO-LEO*e-docs* and GFZ Data Services, the curation work for text and data publications is strongly facilitated by a minimum number of activated visibility settings in the personal ORCID profiles (the socalled 'ORCID Record'). For unambiguous identification, we recommend that you make at least your full name (i.e.



Lorenz et al. (2022) <u>https://doi.org/10.23689/fidgeo-5386</u> (German version) Lorenz et al. (2023) <u>https://doi.org/10.23689/fidgeo-5832</u> (English version)



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Speaking of DOI...

- Always add the DOI when you cite papers, data, or code publications
- Please use https://doi.org/10.<DOI number> to enable direct links to the cited object



