



Specialised Information Service
for Geosciences

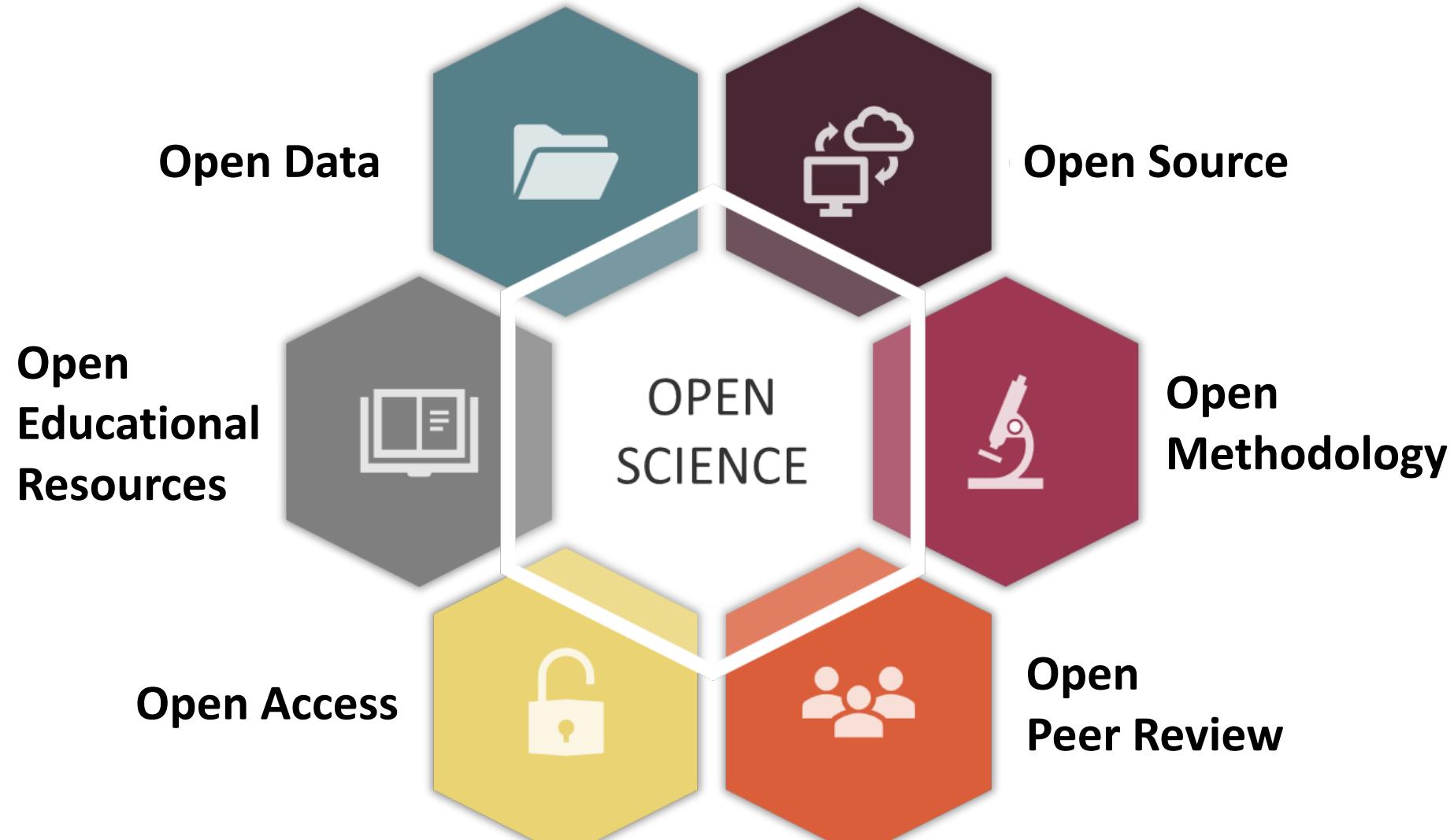
Promoting cultural change towards Open Access and FAIR data in the geoscientific community

Marcel Meistring¹, **Melanie Lorenz**¹, Kirsten Elger¹, Inke Achterberg², Malte Semmler², Norbert Pfurr²

Rise of Digitization
and Open Science
practices



Challenging for
Researchers,
Information Scientists,
Librarians and
Publishers alike



(Gallagher et al. 2019)

belong to: A **nationwide system** of specialized information services

realised by:



Funded by



Deutsche
Forschungsgemeinschaft
German Research Foundation

Team of highly connected librarians, data publishing professionals, and geoscientists



Melanie Lorenz



Kirsten Elger



Marcel Meistring



Norbert Pfurr



Inke Achterberg



Malte Semmler

- Aim to reduce structural deficits in the area of electronic information
- Aim to **promote Open Science** throughout the research life cycle
- Promote **open access to digital resources** for researchers
- Contribute to an **open information infrastructure** in the geosciences
- **Connecting** researchers, data repositories, German geosciences societies and publishers



Holistic view of the research results

data

Table S3. Sierra Nevada analyses of plant samples			Element concentrations ($\mu\text{g/g}$)					
sample ID	IGSN	brief sample description	Al	Fe	Mn	Mg	Ca	
Table SN1. Sierra Nevada analyses of soil, saprolite, rock, bedload sediment and plants								
<i>fresh</i>								
MW1								
MW2								
MW3								
MW4								
<i>mean</i> <i>(2SE)</i>								
<i>P301 regolith depth profile</i>								
SN01 *	GFFB1002T	bulk soil	GFZ	7	36.2	0.55	11.4	3.88
SN02 *	GFFB1002U	bulk soil	GFZ	20	49.3	0.71	14.9	4.84
SN02e *	GFFB1002U	exchangeable soil	-	20	n.a.	<lod	0.00	0.00
SN02r *	GFFB1002U	residuum soil	-	20	n.a.	0.84	14.3	5.68
SN03 *	GFFB1002V	bulk soil	GFZ	30	57.5	0.88	17.6	6.44
SN04 *	GFFB1002R	bulk soil	GFZ	39	56.6	0.93	17.7	6.85
SN04e *	GFFB1002R	exchangeable soil	-	39	n.a.	<lod	0.00	0.00
SN04r *	GFFB1002R	residuum soil	-	39	n.a.	0.91	15.3	6.95



sample

GFZ Potsdam

General Identifiers

Program: S0273

Type: Individual Sample

Name: 50573-310

Parent Sample: 50573-300

Sample ID: S0273-310

Kerneling location

Latitude: +41.0543

Longitude: 13.4820

Geographic System: WGS84

Elevation: 7204

Depth: 550

Location Name: Southwest Indian Ridge

Geology

Rock Classification: Igneous-Volcanic-Mafic

Rock Type: Plagioclase

Rock Description:

- weathering: light (most of the primary mineralogy preserved)
- weathering: moderate (primary mineralogy partially replaced by secondary minerals)
- weathering: strong (primary mineralogy almost completely replaced by secondary minerals)
- weathering: very strong (primary mineralogy almost completely replaced by secondary minerals)
- weathering: highly dissolved
- weathering: extremely weathered
- weathering: talus

Geopack

Drilling Method: Shallow

Platform Name: Potsdam

Start Date: 2020-03-20

End Date: 2020-03-20

Coordinates

Current Repository: GFZ Data Services

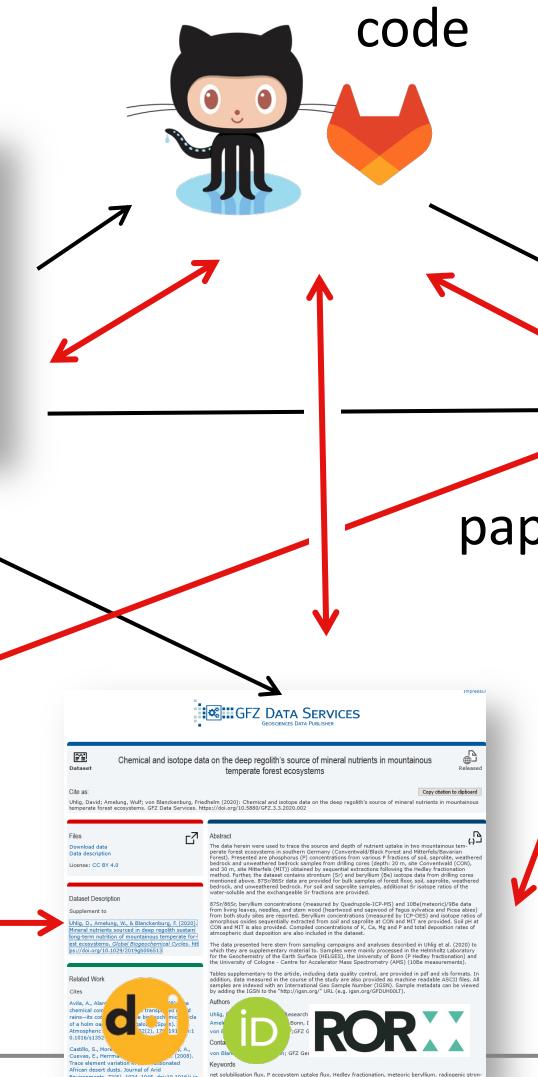
Current Repository Contact: Fred Dz. Sponer (sponer@mpie.mpg.de)

DOI: 10.5446/32250

IGSN: 5054_1_A 550

ID: 50573-310

Sample description



Data publication

Scientific Drilling
The open-access ICDP and IODP journal

Sci. Drill., 19, 1–11, 2015
<https://doi.org/10.5194/sd-19-1-2015>
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zoic C

Global Biogeochemical Cycles

Research Article | Open Access

Mineral Nutrients Sourced in Deep Regolith Sustain Long-Term Nutrition of Mountainous Temperate Forest Ecosystems

D. Uhlig, W. Amelung, F. von Blanckenburg

First published: 19 August 2020 | <https://doi.org/10.1029/2019GB006513> | Citations: 2

PIDs connect
everything → FAIR

GFZ Data Services



- Publications of research data according to current data publication standards

- Quality Assured: Curation and Documentation
- Comprehensive metadata for data discovery
- FAIR Data Standards



- Text repository GEO-LEO e-docs: publication of research papers (green open access), institutional series, conference proceedings.



- On-demand digitization of copyright-free and out-of-print texts and thematic maps

Strengthening the **awareness of Open Science** in the geoscience community:

- **Communication Channels**

Workshops, Talks

 @fid_geo

news-on@fidgeo.de

Editorial work on information platforms

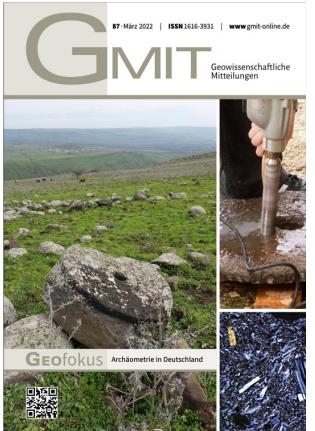
forschungsdaten.info



Strengthening the awareness of Open Science in the geoscience community

- **Communication Channels**

GMIT - Geowissenschaftliche Mitteilungen



FID GEO aktuell: Nutzungsempfehlung zu ORCID iD

DOI: <https://doi.org/10.23689/fidgeo-5386>



GMIT - Geowissenschaftliche Mitteilungen

Die GMIT - Geowissenschaftliche Mitteilungen ist das gemeinsame Nachrichtenheft des Berufsverbandes Deutscher Geowissenschaftler (BDG), der Deutschen Geologischen Gesellschaft – Geologische Vereinigung (DGGV), der Deutschen Geophysikalischen Gesellschaft (DGG), der Deutschen Mineralogischen Gesellschaft (DMG), der Deutschen Quartärvereinigung (DEUQUA), der Deutschen Ton- und Tonmineralgruppe (DTTG), der Paläontologischen Gesellschaft (PalGes) und des Oberrheinischen Geologischen Vereins (OGV). Als jüngstes Mitglied ist 2019 das Geowissenschaftliche Studentische Erfahrungs- und Interessensnetzwerk (GeStEIN) beigetreten. Der Bezug des gedruckten Heftes ist im Mitgliedsbeitrag enthalten.

GMIT erscheint vier Mal im Jahr. Sie erreicht alle Mitglieder der genannten Gesellschaften und wird in Universitäten, Forschungseinrichtungen, Behörden und Unternehmen gelesen.

Redaktionelle Hinweise finden sie auf der Seite <https://geoberuf.de/veroeffentlichungen/gmit>.

2022



GMIT 89 - September 2022



GMIT 88 - Juni 2022

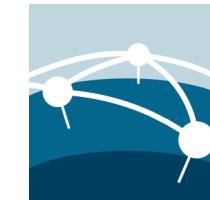


GMIT 87 - März 2022



Strengthening the awareness of Open Science in the geoscience community:

- Networking and Collaborations



NFDI4Earth

info@fidgeo.de



@fid_geo

www.fidgeo.de

news-on@fidgeo.de



Melanie Lorenz



Kirsten Elger



Marcel Meistring



Norbert Pfurr



Inke Achterberg



Malte Semmler