

**PANGAEA Community
Workshop 25/11 - "FAIR data
publications with PANGAEA"**

Report of Contributions

Contribution ID: 2

Type: **not specified**

Intro PANGAEA programmable interfaces

Friday 14 November 2025 10:30 (20 minutes)

Kicking off Day 2 of the workshop, this session explores PANGAEA's innovative approaches to programmatic data and metadata access, aligned with the FAIR principles. The presentation highlights machine-actionable interfaces that leverage HTTP interactions and Signposting standards, enabling seamless integration of PANGAEA's structured metadata (in diverse formats) and data matrices into external workflows. Attendees will also learn how to navigate access to restricted datasets (e.g., under embargo) via browser-based authentication, ensuring secure yet flexible data sharing for authorized users. Bridging Day 1's focus on data discovery, this talk emphasizes practical tools for efficient, automated, and web standard compliant data reuse—empowering researchers and institutions to maximize the value of shared research outputs. Not the easiest meal on the menu, but one of the keys to understanding how to interact with PANGAEA data.

Presenter: Mr SCHINDLER, Uwe (PANGAEA Data Publisher)

Session Classification: Editorial procedures and data publication best practices

Contribution ID: 3

Type: **not specified**

Q&A Block 1

Friday 14 November 2025 10:50 (5 minutes)

Your questions are welcome and addressed with care here.

Session Classification: Editorial procedures and data publication best practices

Contribution ID: 4

Type: **not specified**

Scripted data access - Introducing pangaeear

Friday 14 November 2025 10:55 (10 minutes)

Continuing the workshop's exploration of FAIR-driven data workflows, this dual session introduces user-friendly tools for integrating PANGAEA into modern data science pipelines. For researchers less familiar with technical concepts like HTTP content negotiation or Signposting, PANGAEA's dedicated Python module (pangaeapy) and the third-party R package pangaeear (developed by OpenSci) offer simplified, code-based solutions.

The series of sessions begins with an overview of common analytical tasks—from data retrieval to preprocessing—demonstrating how pangaeear streamlines R-based workflows. ...

Presenter: RANSBY, Daniela (AWI)

Session Classification: Editorial procedures and data publication best practices

Contribution ID: 5

Type: **not specified**

Scripted data access - Introducing pangaeapy

Friday 14 November 2025 11:05 (15 minutes)

The focus then shifts to PANGAEA's native Python module, pangaeapy, which is introduced in more detail during this session

Presenter: RANSBY, Daniela (AWI)

Session Classification: Editorial procedures and data publication best practices

Contribution ID: 6

Type: **not specified**

Q&A Block 2

Friday 14 November 2025 11:20 (5 minutes)

Your questions are, again, very welcome and have room for a good answer.

Session Classification: Editorial procedures and data publication best practices

Contribution ID: 7

Type: **not specified**

Scripted data access - Pangaeapy practical

Friday 14 November 2025 11:35 (45 minutes)

And finally, our speaker dives deeper into pangaeapy's advanced functionalities, showcasing its versatility in automating complex data transformations, enhancing reproducibility, and unlocking PANGAEA's full potential within Python ecosystems.

By bridging technical barriers with open-source tools, this session empowers researchers to harness PANGAEA's rich datasets efficiently, fostering FAIR-aligned, cross-disciplinary collaboration.

Presenter: RIEMANN-CAMPE, Kathrin

Session Classification: Editorial procedures and data publication best practices

Contribution ID: 8

Type: **not specified**

Q&A Block 3 and Outro

Friday 14 November 2025 12:20 (10 minutes)

Session Classification: Editorial procedures and data publication best practices

Contribution ID: 9

Type: **not specified**

Welcome

Thursday 13 November 2025 10:30 (5 minutes)

Presenter: MOLLER, Lars (PANGAEA Data Publisher)

Session Classification: PANGAEA and Data Submissions

Contribution ID: **10**

Type: **not specified**

PANGAEA & the role of data repositories

Thursday 13 November 2025 10:35 (30 minutes)

Session Classification: PANGAEA and Data Submissions

Contribution ID: **11**

Type: **not specified**

Submitting FAIR data to PANGAEA

Thursday 13 November 2025 11:05 (20 minutes)

Presenter: HÖRING, Flavia (MARUM / PANGAEA)

Session Classification: PANGAEA and Data Submissions

Contribution ID: 12

Type: **not specified**

Live walk-trough of a data submission

Thursday 13 November 2025 11:40 (15 minutes)

Presenter: SCHUMACHER, Stefanie (Alfred Wegener Institute)

Session Classification: PANGAEA and Data Submissions

Contribution ID: 14

Type: **not specified**

Q&A Block and Outro

Thursday 13 November 2025 12:20 (10 minutes)

Here we have some room for a few final questions and discussions.

Session Classification: PANGAEA and Data Submissions

Contribution ID: **15**

Type: **not specified**

Q&A Session

Thursday 13 November 2025 11:25 (5 minutes)

Session Classification: PANGAEA and Data Submissions

Contribution ID: 16

Type: **not specified**

Option I - Data Curation Exercise

Thursday 13 November 2025 11:55 (25 minutes)

Presenters: HÖRING, Flavia (MARUM / PANGAEA); MOELLER, Lars

Session Classification: PANGAEA and Data Submissions

Contribution ID: 17

Type: **not specified**

Option II - Live demo of data submission checklist

Thursday 13 November 2025 11:55 (25 minutes)

Presenter: RIEMANN-CAMPE, Kathrin

Session Classification: PANGAEA and Data Submissions