

Betreff: NFDI4BIOIMAGE Christmas Newsletter - December 19th, 2024

Von: NFDI4BIOIMAGE Coordinaton Office <nfdi4bioimage@uni-duesseldorf.de>

Datum: 19.12.2024, 13:12

An: {{Email}}

Dear {{Name}}

our Christmas Newsletter is here to thank the bioimaging community, collaboration partners, and consortium members for their support and enthusiasm. Find updates on our recent activities and what's to come in 2025.

What's new?

In the past couple of months, the NFDI4BIOIMAGE team has been very active participating in numerous conferences and community events. Here are only a few highlights:

- Together with the I3D:bio team, NFDI4BIOIMAGE hosted a workshop for researcher at the **GBM Compact Symposium in Frankfurt on Sep 26**, hosted by the Gesellschaft für Biochemie und Molekularbiologie (GBM). This was a great opportunity to engage with researchers on best practices for and their need regarding bioimage RDM. Find a [report and a link to the the workshop presentations here](#).
- At the **Global BioImaging Exchange of Experience IX** meeting on Research Data Management from October 29 – 31 in Kyoto, Japan, followed by the **foundingGIDE Community Event** in Okazaki, Japan (Oct 31 – Nov 1), [Josh Moore represented work](#) by German BioImaging as a co-applicant in NFDI4BIOIMAGE. Among others, the OME-Zarr data challenge was presented and discussed. More than 500 TB of imaging data were collected from different contributors in S3 storage locations to test the **new version of OME-Zarr**. For example, the new OME-Zarr will introduce sharding to allow reducing the very large number of individual files while keeping the benefits of cloud-ready data chunking in the format. Would you like to try how browsing and searching TB-sized image files in the web browser works? Use the last few weeks of the challenge to explore: <https://github.com/ome/ome2024-ngff-challenge>
- The **EOSC Symposium in Berlin** and the satellite **EOSCxNFDI Meeting** (Oct 21-24) were a great opportunity for all NFDI consortia, including NFDI4BIOIMAGE to connect even more closely to the European Research Data Management endeavors in the EOSC. While NFDI4BIOIMAGE project PIs are involved directly in EOSC projects (e.g., B. Grüning in [EOSCScienceGateway](#)), the NFDI as a whole will work towards establishing a German EOSC node in 2025. [NFDI4BIOIMAGE intends to contribute its expertise in leveraging Zarr for large, N-dimensional array-typed data](#). The EOSC Symposium marked the official launch of the central EOSC referenc node, **the EOSC EU Node**. Basic Services like cloud storage, virtual machine provision, and cloud computing resources can now be leveraged by researchers across Europe. Log in and check out the EOSC EU Node here: <https://open-science-cloud.ec.europa.eu/>
- Bringing more closely together the consortia focusing mostly or in part on biomedical research data, the consortia GHGA, NFDI4Immuno, NFDI4BIOIMAGE, NFDI4Health, and NFDI4Microbiota organized the first **NFDI BioMed Workshop in Heidelberg** from Oct 26-27. The workshop kickstarted establishing a more cohesive and integrated biomedical data ecosystem. Find impressions [on our website](#) and on [social media](#).

- As a satellite event of the **European Society for Spatial Biology (ESSB) Meeting** in Berlin, the **IO-FAST (initiative for FAIR spatial data)**, coorganized by Jan-Philipp Mallm from NFDI4BIOIMAGE, conducted its first think tank meeting on making spatial biology data FAIR. Follow the [IO-FAST initiative on LinkedIn](#) for updates on these activities.
- The first **Base4NFDI User Conference** in Berlin (Nov 20-21) provided an excellent opportunity for exchange on basic services across NFDI consortia, and how individual consortia can contribute to and benefit from the basic service projects. NFDI4BIOIMAGE took part with several members. Find a [report here](#). Material from the conference is [published on Zenodo](#).
- Led by Josh Moore and Susanne Kunis, NFDI4BIOIMAGE offered a Hackathon at this year's **de.NBI Biohackathon Germany** in Kassel (Dec 9-13). Ten participants spent a week working towards [increased interoperability of bioimage data resources](#). Find impressions on [BlueSky](#). More details to follow.

Find more reports and impressions from NFDI4BIOIMAGE's community contributions on [our website](#), through our social media channels ([BlueSky](#), [LinkedIn](#), [Mastodon](#)), and via our [Zenodo Community](#).

What's upcoming?

- Members of NFDI4BIOIMAGE will present a workshop at the **E-Science Tage 2025** (March 12-14) targeted at colleagues from libraries, IT-services, RDM teams, etc. to introduce the challenges of bioimaging data handling to non-bioimaging professionals. Find more information and register for the conference here: <https://e-science-tage.de/>
- In 2023, our freshly funded consortium supported the I3D:bio team by hosting the on-site-collected workshop data from the **Trends in Microscopy Conference** in a [publicly available OMERO instance](#) after the conference. For the upcoming **Trends in Microscopy 2025**, taking place from Mar 17-21 in Münsingen, Germany, a close collaboration between I3D:bio, the Euro-BioImaging Image Data Services team, and NFDI4BIOIMAGE will facilitate a comprehensive data management environment with data stewards being available for all conference participants. For those of you who secured a ticket for TIM 2025, come and visit the data management team! (<https://gerbi-gmb.de/event/tim2025/>)
- We are looking forward to participating in the **NFDI Metadata Workshop on January 14-15, 2025** in Dresden. In line with the central expectations towards NFDI from the Bund-Länder-Vereinbarung in 2018, this workshop will focus on the transdisciplinary connection of metadata across fields. More information: <https://www.nfdi.de/workshop-metadata-2025/>
- The [EOSC Winter School in Seville](#) takes place from January 20-23 with Björn Grüning from the Freiburg Galaxy team (TA2 in NFDI4BIOIMAGE) available for participants to exchange on site.
- Save the Date for the 2nd **Conference on Research Data Infrastructures (CoRDI)** taking place in Aachen from August 25-28. Find more information here: <https://www.nfdi.de/cordi-2025/>

What's to read?

- NFDI4BIOIMAGE has published new educational outreach material – postcards with bioimage data management illustrations. Find the illustrations (drawn by Henning Falk) and texts free to use under a CC-BY 4.0 license here:
NFDI4BIOIMAGE Consortium. (2024). **NFDI4BIOIMAGE data management illustrations by Henning Falk**. Zenodo. <https://doi.org/10.5281/zenodo.14186101>
- Virginie Uhlmann, Matthew Hartley, Josh Moore, Erin Weisbart, Assaf Zaritsky; **Making the most of bioimaging data through interdisciplinary interactions**. J Cell Sci. 15 October 2024; 137 (20): jcs262139. doi: <https://doi.org/10.1242/jcs.262139>
- Cimini BA, Bankhead P, D'Antuono R, Fazeli E, Fernandez-Rodriguez J, et al.; **The crucial role of bioimage analysts in scientific research and publication**. J Cell Sci. 2024 Oct 15;137(20):jcs262322. Doi: <https://doi.org/10.1242/jcs.262322>
- Jannasch A, Tulok S, Okafornta CW, Kugel T, Bortolomeazzi M, et al.; **Setting up an institutional OMERO environment for bioimage data**: Perspectives from both facility staff and users. J Microsc. 2025 Jan;297(1):105-119. doi: <https://doi.org/10.1111/jmi.13360> Epub 2024 Sep 14
- The workshop "**Fit for OMERO**: How imaging facilities and IT departments work together to enable RDM for bioimaging" took place from Oct 16-17 in Heidelberg. We thank all the participants for a very fruitful and insightful workshop. If you would like to review the workshop program and material, find here the slides on Zenodo: <https://doi.org/10.5281/zenodo.14013025>

Be reminded: We are here for your research data! Don't hesitate to **reach out to our Help Desk** with any issues around bioimaging RDM: <https://nfdi4bioimage.de/help-desk/>

With this, we would like to wish everyone wonderful **Merry Christmas holidays**, and a great start in 2025! We are looking forward to the next steps in bioimaging RDM.

Best wishes,

Christian Schmidt
(NFDI4BIOIMAGE Project Office)

To review previous editions of our quarterly Newsletter, please visit:
<https://nfdi4bioimage.de/community-integration/newsletter/>

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The NFDI4BIOIMAGE consortium comprises legally independent partners and does not act autonomously towards third parties. Both Project Coordinators represent the contributions from their respective affiliated institutions and work together on the consortium.