

Meeting Notes

14th of October 2025

- SciCatCon
 - **SciCatCon 2026**
Heinz Maier-Leibnitz Zentrum (MLZ)
at the Research Neutron Source Heinz Maier-Leibnitz (FRM II)
Lichtenbergstr. 1
85747 Garching

Available dates:
 - Tue, 23rd June - Thu, 25th June 2026
 - Tue, 30th June - Thu, 2nd July 2026
Next meeting we should pick the dates
 - **SciCatCon 2027 (Tentative)**
MaxIV
Lund, Sweden
- Float numbers in FE
 - Currently FE shows float numbers as they are saved in the backend
 - Emil presented a solution he implemented for one of the FE application at Max IV
 - If float is bigger than the selected cut-off, it is shown in scientific notation
 - if float is below the selected cut-off, it is shown with the selected number of decimals
 - Bjorg expressed concerns about search: what is the format accepted in the search, if the visualization is changed?
 - Bjorg thinks that is better to normalize the values at ingestion time
 - Emil explained that his solution keeps the values as they are in the metadata. Only the visualization is configurable.
 - Dylan reminded that the significance digits depends on the field of science
 - Laura highlighted the importance of having a consistent visualization
 - Carla suggested to add a tooltip with the raw value saved in the database
 - Jay asked which notation will be accepted by the search
 - Conclusion:
Emil will create a FE PR with the basic functionality. It will be configurable: enabled/disabled, cut-off point, number of decimal digits.
 - We will expand and adjust the functionality after the MVP is done
- PR 2212
 - Carlo brought the attention to this PR which is blocking for PSI.

- PR has been reviewed and accepted
- Everybody agreed to merge the PR which changes the dataset search and evaluate if further changes are needed
- Max reminded that if reducing duplication between API v3 and v4 means complicating the code and hardcoding values, it is better to clearly separate the two functionalities even if we add some code duplication.
- A discussion about API v3 and API v4 followed, which requires more time.
- An ad-hoc meeting will be organized about API V3 and API v4, make obsolete endpoints or functionalities and set a timeline for removal.
- Configurable actions
 - Regina asked about the current state of Customizable actions (FE PR 1977)
 - The PR is still in draft mode and not ready.
 - Max is working on but he cannot guarantee a delivery date.
- API v3
 - Carlo reported about PSI migration to BE v4 using API v3
 - PSI needs backward compatibility of API v3 to facilitate their migration
 - DB migration is challenging because has not been designed and tested on big data (500k records)
 - Max expressed the need to test at scale
 - We need to include and test DB migration rollbacks
 - We need to produce documentation about migration best practices
- Temporary Dataset URL S3 download
 - PSI is generating a temporary URL for users to download their data from S3
 - The URL is valid for a week.
 - The existential question is: where should these URL be stored?
 - in dataset lifecycle
 - in the job that created the url
 - Dylan suggested to store it in a new datablock associated with the dataset
 - We should provide documentation with best practices
 - ALS is looking for a better download solution. ESS is interested in collaborating
 - Laura suggested creating a pre-signed S3 URL through jobs.
 - The outcome of the discussion was that the main questions are two:
 - BE: where should we store such temporary URL?
 - FE: how do we provide such a URL to the user?
 - RFI does not use S3 http download as their file are too big for the service
 - RFI uses globus with a static URL for each dataset
 - An ad-hoc brainstorming session about download will be organized.
Parties interested are: Carlo, Laura, Florian, Jay, Dylan, Omkar
- Documentation

- Laura announced that the new doc templating is completed and is working

Proposed Agenda

Next meeting: 28th of October 2025

- SciCatCon 2026 dates
 - Available dates:
 - Tue, 23rd June - Thu, 25th June 2026
 - Tue, 30th June - Thu, 2nd July 2026
- Documentation
- Governance
- AOB (Any Other Business)