

# Kick-off report to TA1 and TA2 DAPHNE members on DCS

DAPHNE4NFDI contribution to SciCat development

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# SciCat development boost through *left overs*

## How financial blessings are used

Bridget Murphy (CAU/DESY) spread the news to use unused project money early summer 2024.

We, the SciCat users (to-be site-admins, enduser), know about many missing features in SciCat.

A list of these features was drafted, consolidated, iterated to be workable and deliverable, esp. at NOBUGS.

This meeting is open to all DAPHNE members in concern (TA1 and TA2) and will take place on a regular basis.

Today is the first of its kind and the frequency's to be seen. For 2024 we plan another one in December on 16th, same hour and place.

If this is really not managable get in touch and we'll find a solution.

Our goal is to have SciCat used to its full potential and help each other to attain this goal! Please use this forum to talk to each other. Me and Nicolas will do our best to help out.

We benefit extremely from ESS experiences why we think SciCat is a good (only) solution in many ways.

# DAPHNE contribution to SciCat Development

first weekly meeting with Max Friday 2024-10-25

Plan: start with task 1 (18d) *Refactor frontend (FE) to use new autogenerated typescript SDK. This will align FE to the current backend (BE) API code leveraging BE features and increasing maintainability. Produce stable release.*

5 subtasks.

## Conclusion first two weeks

- **ahead of time wrt refactoring code**
- **refactoring task is wide, but synergies between Martin and Jay, make work highly efficient (4 PRs)**
- **SDK demo scheduled next Friday (2024-11-08)**
- **Next: tests to be defined (95% use cases, edge cases)**

## Subtasks:

1. explore changes needed.  
Estimation: 2d - **Completed: 1d**
2. review and validation of findings  
Estimation: 1d - **Completed: 0.5d**
3. create roadmap  
Estimation: 2d - **Completed: 0.5d**  
*See in appendix 1 for plan's details*
4. frontend code refactoring, CI tests passing  
Estimation: 8d – **In Progress**
  1. Updated Angular to the latest version and also all the packages
  2. First working draft with new SDK
  3. Starting with second pass: fixing details and data typing
  4. SDK version strategy:
    1. stable release will pull the correct SDK version from NPM repository
    2. for development purposes, user can decide which version they would like to use.  
Documentation on options and how to implement them will be provided.  
Options:
      1. build SDK locally from local copy of BE
      2. select specific version from NPM
5. review current frontend tests, listing missing tests and add relevant ones  
Estimation: 5d

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## roadmap SDK

### Appendix 1

Task 1 will be follow the following road map

1. include new SDK in FE code. *Done*
2. add authorization service missing in new SDK. *Done*
3. switch incrementally all references to old sdk to new one. Data types will be ignored for the moment. *Done*
4. make the FE run completely with new SDK. *Done*
5. remove old SDK from code
6. review changes implemented, define and implement correct data typing.
7. evaluate tests needed
8. refactor existing tests and implementing new ones

# Summary

DCS shall be our revived forum for SciCat at DAPHNE led by myself and Nicolas Hayen.

- consolidated list is being worked on, start of contract 21st of October 2024, official end 31st of March 2025.
- weekly reports to Max will be summarized in DCS meetings, next 16th of December 2024.
- We benefit from a very good and established relationship between the individual players, ie. Martin T (Sigma Technology and ESS, Max and his team).
- First task of the list is actively being worked on with good progress, demo will be given next Friday.