Services Roadshow by Base4NFDI
Dec 04, 2024 – **Q&A**

The following document entails all questions plus respective answers which were asked by the audience (chat/live) or the Base4NFDI team during the first Base4NFDI Roadshow, where currently funded basic service project teams pitched their service. The Roadshow was open to anyone.

IAM4NFDI
Identity & Access Management (more)

Question	Answer	Source (e.g. audience, Base4NFDI Team)
How many human resources do you estimate to be needed for a change to your AAI?	Depends on the service (e.g. if you use keycloak, it is just a limited effort) – between 1-6 person months.	Base4NFDI Team
We offer one service, is it necessary to add others or is it fine if one works? (one service is connected) (referring to the Community AAI solution)	If the other services are comparable, others can just be connected. Given the technical means are all given.	Audience
Why not use Google or Microsoft Identity Services? What are IAM4NFDI advantages?	Google or Microsoft do not know about your membership in an institution and other attributes – which is a relevant information e.g. when giving access to computing resources.	Audience

PID4NFDI
Persistent Identifiers ([more](#))

Question	Answer	Source (e.g. audience, Base4NFDI Team)
Is PID4NFDI going to cover the budget to become a member of a PID provider? How can you maintain PIDs if you are a very small institution or museum? Is there any financial support for getting PIDs and long-term management of PIDs?	PID4NFDI will provide ePIC prefixes for selected use cases in integration phase to encourage low-threshold PID minting. PID4NFDI is also a small team with limited project budget. Providing the budget for PID minting would not solve the problem regarding long term availability, management and financing of PIDs. Options available are to cooperate with infrastructure partners from your research organisation (e.g. over 90% of NFDI members are already minting DOIs) or to use existing repository services who offer PID minting. Our approach to raise awareness for costs of PID minting to be addressed at the very beginning of a project or infrastructure development, e.g. including funding requests for PIDs.	Audience
Do ARK play a role anywhere in the NFDI consortia? Isn't this mainly a US thing?	The short answer is yes. ARK is on our radar. It is integrated in our PID overview as well as in the PID selection guide. We recently also had a meeting with ARK (John Kunze) and exchanged ideas for collaboration. Reply from audience: My colleague also plans to use pURLs as a simple solution for PIDs (of course, not as functional as other systems).	Audience
Is it possible for PID base service to set up a relatively low-cost handle server (central server) as another solution?	The kind of PID that fits your needs should be aligned to your use-case. It might be possible to use PIDs that are for free (at least in terms of minting), such as ARKs or Wikidata IDs. Maybe you write us an email with more information on your use case?	Audience
Is there a technical team in the PID coordination	Yes, there are people with technical knowledge in the team. As said, with	Audience

hub which can help research institutes to set up their PID server (handle, ark etc.)	GWDG and DataCite we have two PID providers in our project team. Even though, as said, we are not building or setting up a new PID provider, but build on existing infrastructure that includes the PIDs mentioned by you. The best way to proceed from here, is maybe that you get in touch with us, with your specific question/challenge via e-mail. **pid4nfdi@lists.nfdi.de**	
What kind of community engagement are you planning? (I am a repository manager)	Workshops, roadshow, open to requests from consortia/institutions/… We are planning on different ways of engaging with the community. By providing information on the website, by attending relevant workshops and NFDI community meetings, by offering webinars on PID integration in the next phase and more. In general, you can always get in touch with us and write to us: **pid4nfdi@lists.nfdi.de**. We have a lot of specific use cases that we already work on with. Reply audience: Thank you for your answer. I am working at a university library and am not part of a specific NFDI community. So I am interested in community engagement outside of the NFDI (although I of course follow the NFDI developments, but without focussing on a specific discipline).	Audience

KGI4NFDI
Knowledge Graph Infrastructure (more)

Question	Answer	Source (e.g. audience, Base4NFDI Team)
What kind of level of curation can the service provide in terms of the KGI registry? Do you	Currently we are planning to provide two possible curation workflows for the service users: 1) completing a Github issue template (which can also be updated and harvested periodically); 2)	Base4NFDI Team

remind data owners of their outdated metadata?	providing a minimal set of required metadata in their KG that can be regularly harvested by corresponding ETL workflows (SPARQL or other API endpoints), the metadata can be periodically refreshed in the registry. We also plan to run automated checks on the KGs listed in the registry to ensure that services remain operational and broken paths or services that are no longer maintained are regularly deaccessioned from the registry.	
Interoperability with KGs nationally and internationally - do you have any concrete plans?	For KGs within the NFDI consortia, we are compiling best practices on how to enable interoperability when generating and publishing KGs, e.g., for providing metadata about a KG, using established and well-accepted standards, metadata schemas, vocabularies, ontologies, etc. For the international perspective, we are getting involved with initiatives like EOSC (SKG4EOSC), OpenAire, RDA, etc., to identify common/complementing activities to align with or work on together.	Base4NFDI Team
How do you get into contact with the consortia? Do you go visit consortia events to understand what their requirements are?	We attend consortia-wider events, such as the EOSC symposium or the Base4NFDI User conference. We also attend various smaller events within a specific consortia or group of consortia, such as the NFDI Berlin-Brandenburg Meetups, for example. Moreover, we take active part in the Section meetings of Section Metadata, and we are also represented in relevant Working Groups, such as WG Knowledge Graphs and WG Ontology Mapping and Harmonization. Last but not least, we organise surveys and consulting sessions that aim to reach all consortia communities.	Base4NFDI Team

TS4NFDI
Terminology Services ([more](#))

Question	Answer	Source (e.g. audience, Base4NFDI Team)
Relation to commercial applications for Terminology Services? Did you reach out to commercial providers (e.g. translation agencies)?	We are using existing sources and building add ons that bring these terminologies to different applications (e.g. for search, autocomplete etc.) It would be interesting to get in contact for specific translations but we are not rebuilding a 2nd DeepL. This is interesting – lets get in touch via mail. Comment audience: It's not only the commercial market, there's also a long term activity in that field in the library community, in Germany especially DNB, HBZ.	Audience
On TS4NFDI4: Is/was SKOSMOS service part of phase 1? Does it work today? It would be useful as a service even without the harmonising API because e.g. dataverse already has a plugin to access the SKOSMOS-API.	Currently, it is the case that individual Skosmos APIs can already be queried via the gateway with an Autocomplete [1]. Additionally, the hierarchy widget can already be used directly with all known Skosmos instances [2]. I will also reach out to you next year to discuss your issue [3] on GitHub and how we can possibly resolve it through an incubator. [1] https://ts4nfdi.github.io/terminology-service-suite/comp/latest/?path=/story/react_autocompletewidget--use-api-gateway-with-skosmos [2] https://ts4nfdi.github.io/terminology-service-suite/comp/latest/?path=/story/react_hierarchywidget--skos-hierarchy [3] https://github.com/nfdi4cat/repo4cat/issues/8#issuecomment-2506865381	Audience

DMP4NFDI
Data Management Plans ([more](#))

Question	Answer	Source (e.g. audience, Base4NFDI Team)
How will you foster adoption and make sure the usage will be increased compared to previous similar services?	The DFG put some motivation behind it when publishing the checklist, but most importantly we want to raise awareness that a DMP is a tool that can help and accompany you during your whole project. Also RDMO makes it much easier and we will integrate several other services to increase the added value for the researchers and make it easier to fill in.	Audience
Do researchers also need RDMO-DMP if only existing data is processed (i.e. no own data is generated)?	Yes, it's about the data you are using – whether it be generated or reused (you will process the data for example, need a backup etc.)	Audience
Will RDMO or the output of it be interoperable with other DMP tools (Data Steward Wizard, DMPTool, DMPRoadmap)? If yes, with which ones?	Yes, there is an [international standard for machine-actionable DMPs](#) we use as a foundation and therefore tools that observe this standard are compatible. It allows the exchange of some information between DMP tools. The standard was implemented by several tools, see https://doi.org/10.15497/rda00039	Base4NFDI Team
Can we make updates to this software if we are missing a key functionality like versioning? Do you do active software development or is software development done elsewhere?	We are connected to and actively involved in the RDMO community. This community keeps developing the tool and we discuss with them what could be improved or added based on the feedback we receive. We will also develop some features that are important for the NFDI consortia and basic service ourselves, e.g. the connection between DMP4NFDI and other basic services.	Base4NFDI Team

Jupyter4NFDI
A central Jupyter Hub (more)

Question	Answer	Source (e.g. audience, Base4NFDI Team)
"Bring your Data" seems extremely important for fostering collaboration; Will users be able to access data from their institutes or projects S3-storage, for example?	Yes, possible. If not in individual cases, we will make it possible – because that is necessary. In time, these can be accessed from within the environments.	Audience
I am mostly using vscode for developing my application. What are the added values if I switch to this JupyterHub service (locally used)?	If local application development is your only use case and you don't have any specific requirements, you can stay on VSCode. If you want to have access to different resources or work collaboratively, switching would be beneficial. Added values: Access to HPC resources, specific hardware – resource types you have not available locally. Comment by audience: added value would be easy publication of J-notebooks.	Audience
How do you define and control "all in NFDI"?	This will be under better control with the integration in IAM4NFDI, where we will receive further information about membership from the Infrastructure Proxy. In our vision, this integration could go as far as determining permissions for resource access and in turn the available options in the user interface.	Audience
Please explain the business model. Someone has to pay the bills for HPC and cloud resources and there will be some	Our mission is to provide HPC computing resources for general German researchers. If done by a single person, it's a huge application process → we make it easier for the general landscape	Audience

storage requirements too. Please explain access control with respect to "export control" (sanctions etc.) which is currently more in the focus than it was in the past.	at various levels. Part of the mission: Make HPC resources available through this model at no cost to the researcher, employing a peer-reviewed access model. Reply by audience: Thanks for answering. If I got it right, the JupyterHub is part of the usual NHR environment or in close neighbourship to it. Reply by Jupyter4NFDI: Comparable, I'd say. At TU Dresden, we plan to integrate NHR resources and have a letter of support by the NHR.	
Can Jupyterhub provide free access to some AI coding tools (e.g. GitHub Co-pilot , ChatGPT etc.)?	Not directly, this would entail additional cost on our side. We do consider enabling such a service that we run on-premise with trustworthy models which are partially developed and trained by JSC and partners. The development of a provider to the Jupyter-AI extension is ongoing. As an alternative, you could bring along your own access tokens and use them in our environment with Jupyter-AI today.	Audience

Question	Answer	Source (e.g. audience, Base4NFDI Team)
What do tool-developers have to do to get their tool listed? Put a metadata file in the git(hub/lab)repository(e.g. for Zenodo)?	We would like to address this during the initialisation phase – we want to collect community requirements and support integration into the marketplace. Reply by audience: That depends. Currently, the various search engines work differently (something to be	Audience

	harmonised/exploited). physics.tools for instance searches for weblinks in papers on the arxiv (physics papers) and takes these links to build its database. At best, they are on GitHub(or something like that), and have a link in a paper. Other engines work differently, but the various streams should also be combined to collect as much as possible. Reply by audience: It would be great to not invent a new metadata file but align with Zenodo's. Then you can already harvest data/repos that follow the guidelines from Zenodo/GitHub. Reply by audience: Codemeta Project (https://codemeta.github.io/terms/) already made suggestions using schema.org. Reply by audience: Yes this would work, too. Is there already a working integration with GitHub and any Software-Catalog?	
Focused on software developed open source by consortia or also on commercial software?	Open Source software is at the heart of the service but we have on our radar that researchers are also using commercial software and though we don't have a solution yet we would like to make all relevant software findable through nfdi.software.	Audience
Software is essentially a product. Do you consider collecting user experiences (blog posts or videos) which will showcase these tools? I am happy to provide some of my use cases.	At present we look at the technical integration so that already available information is collected for search and discovery. However, in its initial release nfdi.software allows to add information about software. So if your community is not yet offering a solution, then feel free to sign-in into nfdi.software and add your software with what is already available. Reply by audience: Where can I add my software or review about software? Reply by nfdi.software: We'll provide information once the service is available	Audience

	by the beginning of 2025. Then it's possible to have a look and add software in a way you have in mind.	

RDMTraining4NFDI
Competence Training for Research Data Management (more)

Question	Answer	Source (e.g. audience, Base4NFDI Team)
Will the summer schools and workshop series have a discipline-specific focus? Who are the target groups for these events?	The content will be defined in community workshops. Data Stewards and trainers are the target group.	Audience
What do you mean by "setting up Zenodo"?	For uploading data and training material.	Audience
Is there a technical platform envisioned for the RDMT?	Material might be on Zenodo & GitHub- and will be findable via DALIA.	Base4NFDI Team
Do you take into account international RDM initiatives? Do you cooperate with them?	The Carpentries, BioNT. Connections to Skills4eosc and Galaxy will be established.	Base4NFDI Team