

WG3 Monthly Meeting

2025-02-12

Previous meeting: [2025-01-08](#). Next meeting: [2025-03-12](#). [Indico page](#).

Present

- Paul Millar (DESY)
- Rolf Krahl (HZB)
- Melanie Nentwich (DESY)
- Majid Ounsy (SOLEIL)
- Oliver Knodel (HZDR)
- Ulli Pietsch (ESUO)
- Fabio Dall'Antonia (EuXFEL)
- Oscar Matilla (ALBA)
- Gianluca Romanin (CERIC)
- Markus Janousch (PSI)
- Salman Matalgah (SESAME)
- Francesco Guzzi (Elettra)
- Thomas Holm Rod (ESS)
- Jean-François Perrin (ESRF)
- Magdalena Szczepanik (SOLARIS)

Apologies

- Anton Barty (DESY)
- Lorenzo Pivetta (Elettra)

Welcome and Updates

Paul Millar

LEAPS Technology Roadmap update

Paul Millar

[Google document](#).

Discussion of current Status

Technology 1: Thomas Hold Rod: development and a plan for maintenance of training material is crucial - also for the credibility of the training platform.

Technology 2: Majid: seems to becoming more and more foreseen, may have some support from directors – Thomas: STFC, ESS, and ELI use same technology (<https://github.com/UserOfficeProject>), – Majid: mentioning projects like RIANA and ReMade@ARI – Jean-Francois: do we really believe in it? What has changed since 15 years to be now more successful? – Fabio: experience from DAPHNE: adding something is easier than replacing – Majid: not replace the ones that are there, just offering an alternative – Paul: do we want to keep that point? – pro: Majid, Rolf, Oscar – Paul: invites sceptical people to edit and improve the text in the description – Jean-Francois: ESRF won't be part of it

Technology 3: Jean-Francois: should be top-most point – Thomas: relation/overlap with AI/ML framework and PaNOSC Training platform

Technology 4: Majid – rename to FAIR-ready AI/ML framework? – Paul: opening the infrastructure is fairly reasonable, but I would not limit it to that – Zdenek: likes the idea – Melanie: hardWARE (part of a word is missing)

Time-shortage: we need to prioritize topics of high-interest

Technology 10: Jean-Francois will prepare something on that topic, including other RIs: ALBA, MAX IV, ESRF, ...

– Paul will try to organize a dedicated meeting for the roadmap to finalize it for the RDB meeting

Rolf: should the list include topics that we are currently planning on working on or things that should be done by 'somebody'

– We continue with a small group to discuss the remainder part of the roadmap and try to find an additional time slot

Technology 5: Fabio – in how far is the continuation of a project also part of OSCARS? Synergies? – Paul: yes. Looking at how to use data more efficiently? D3A initiative

Technology 6: Zdenek: likes idea of adding innovative data management – Paul: Zdenek and David might be experts and are asked to improve the text

Technology 7: Zdenek: in LEAPS INNOV7 good activities on that, including beamlines, 6means possible collaboration with beamlines and scientists – Fabio: reusable components = modules, common patterns on analysis across different beamlines, synergy with DAPHNE – Zdenek: perhaps renaming, not focusing on work-flows (specific technology), but reusability (more general context), perhaps also having a SIG on that – Paul: SIG is a group of people, here it is more about funding

Technology 8: Zdenek: topic is good, but must be well explained to others; remote collaboration; collaboration with companies (e.g. DECTRIS, perhaps inviting them more often?) – Rolf: topic is larger than storing data in DECTRIS cloud – Fabio: is DESY ASAP::O also meant? – Rolf: NSLS visit as HZB, tile storage; be careful not to claim that we will abandon files

Technology 9: Zdenek: adding transfer and usability; transport not so important, but definitely usability, HPC are often not made for 'untrained' scientists – Oliver: new data

center at HZDR, therefore highly interested in that topic – Fabio: transfer aspect: interesting for EuXFEL, collab with Polish institute; usability: where should the interface come from? We could also provide it as an intermediate layer (done similarly at EuXFEL) – Paul: origin of the idea: complaints from DESY FS on duration to analyse tomography data; idea could be opened up to other applications – Zdenek: PaN could only be a very small share of the HPC users, asking for customization might be complicated – Francesco: a “simple” way to transfer data across facilities in a simple way (web?), (maybe through common authentication?) would be really an added value, but consider implications regarding cybersecurity → technology 10

Technology 11: Rolf: what would that be on top of what we already have? – Paul: just umbrella, but everybody using umbrella – Rolf: we need to specify future plans – Paul: we need to find out why people are not using it – Rolf: we might need to tag access rights to data, leveraging virtual organisations (group of identities with particular rights); data transfer that retains access rights – Rolf should have improved the formulation

– Paul suggests to take a break and continue in a later meeting

More ideas

- Rolf: sample PIDs
- Rolf: control system development – Zdenek: might be already mentioned in some other LEAPS group – Rolf: we should make sure that it is in fact covered in the general LEAPS roadmap, independent, which working group covers it – Zdenek: could be included in AI/ML?
- Data transfer service that preserves authorisation of that data. Zdenek example in Sweden: legal obligations.

PaN EOSC Node update

Jean-Francois

Meeting went very well – first meeting was very IT focussed – this time more focused on science and data, clarify some misunderstanding: 3 people would be working on the node, but more for general user support, those 3 for coordination – Andy’s presentation focussing on network – yesterday Tripartite meeting: unofficially selected as one of the 13 first nodes

Kick-off meeting is 2025-03-17/18 in Brussels, but we (ESRF) are waiting for the official invitation.

We believe that ELIXIR and EMBL (in a single node) are also successful, as was CERN.

AOB

Zdenek: Data reduction section on LEAPS-INNOV at Elettra the next week, if anybody is interested: <https://indico.desy.de/event/47838/> Agenda is still open, it is a preliminary list of topic what is there now

DTNM

Date to be found for another roadmap discussion

2025-03-12