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## Status Update TA5 (External Communication and Policy)

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Task Area 5. The task area “External communication and policy” aims at defining common data policies, use cases and pilot workflows and standardised best practices with the aim of agreeing upon common standards. TA5 also encompasses cooperation with the other NFDI consortia, which are connected either by similar scientific questions and/or by issues of data management. Here we will also seek to coordinate and communicate with European user organisations, such as ESUO and ENSA, and the consortia of facilities, such as LEAPS and LENS. Participation in European projects (PaNOSC, etc.) that are closely linked to DAPHNE is envisaged, through partners or representatives of DAPHNE who are already active as observers.

After an intense discussion process within the European photon and neutron user communities and a joint meeting of their representing associations ENSA and ESUO, the paper „FAIR data –the photon and neutron communities move together towards open science” could be finished in April 2024. The publication by IUCrJ 01/2025 is well acknowledged by more than 1760 visits up to now. On national level, the data policies of DESY and MLZ were adapted along with FAIR and open science principles, ready to be agreed by the director’s boards.

The exchange within NFDI is an ongoing process, with activities of the consortia “Physics related sciences in NFDI” by frequent meetings, continuous exchange and a jointly organized series of related talks. DAPHNE4NFDI was invited to join similar activities of the Engineering sciences in NFDI, e.g. a joint contribution to the Co-DRDI2025 conference. The data policies of DESY and MLZ were adapted along with FAIR and open science principles, ready to be agreed by the director’s boards. Interactions with other consortia –FAIRmat, 4Chem, 4Cat, and PUNCH are successfully established and now continued along topical and scientific issues.

The cooperation with Helmholtz infrastructures could be sustained and will be extended.

Within the EOSC Federation, Daphne4NFDI will be engaged not only as a part of NFDI as a national node, but also in the PaNOSC topical node selected out of 13 example nodes –continuing the established cooperation on European level.

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