

Dates 2025

- 7 – 11 Apr 2025, RDA Plenary, virtual (<https://www.rd-alliance.org/event/rda-24th-plenary-meeting-fully-virtual/>)
- **12 – 13 May 2025, Workshop on FAIR Data in Plasma Science** (<https://www.plasma-mds.org/ws-fair-data-plasma-science-4.html>)
- 16 – 18 Jun 2025, [PASC25](#) (Platform for Advanced Scientific Computing), FHNW Campus Brugg-Windisch (Switzerland)
- 16 – 20 Jun 2025, EuCAIFCon, Cagliari (Italy) (<https://agenda.infn.it/event/43565/>)
- 23 – 27 Jun 2025, European Astronomical Society AM, Cork (Ireland) (<https://eas.unige.ch/EAS2025/index.jsp>)
- 24 – 27 Jun 2025, BiblioCon, Bremen (<https://www.vdb-online.org/angebote/bibliocon/>)
- **7 Jul, 12th PUNCH4NFDI GM, 14:00 – 17:00 online**
- **7 – 11 Jul 2025, EPS-HEP, Marseille** (<https://www.eps-hep2025.eu/>)
- 26 – 28 Aug 2025 [CoRDI](#), RWTH Aachen
- 8 – 9 Sep 2025, Open Science Festival, Vienna
- 15 – 17 Sep 2025, Open Science Fair Conference, CERN
- 15 – 19 Sep 2025 AG Tagung, Goerlitz (<https://ag2025.astronomische-gesellschaft.de/>) - call for splinter meetings 28 Feb!
- **18 – 20 Sep 2025, Kiel, Deutsche Physikerinnentagung** (<https://indico.desy.de/event/47726/>)
- 13 – 16 Oct 2025, International Data Week, Australia (<https://ardc.edu.au/event/international-data-week-2025/>)
- 9 -13 Nov 2025, ADASS, Goerlitz (DZA)

DFG schedule for mid-term evaluation

- 18 June 2025, Einreichung einer verbindlichen Absichtserklärung
- 6 August 2025, Einreichung eines Antrags
- ~November 2025, Verteidigung des Antrags, Bonn

Dates in red: possibility to organize joint submissions with NFDI and consortia

Event planning

26 – 28 Aug, CoRDI – Markt der Moeglichkeiten

15 – 19 Sep, AG Tagung – Together with GAVO?

18 – 20 Sep Dt. Physikerinnentagung – together with DAPHNE?

Booth? Workshop? What do we want to present? Who will/ should be there?
New PUNCH flyers needed => team?

Deliverables 2024/ 2025

D-TA2-WP3-4 (30 Sep 2025): Prototype multi-cloud workflows using intelligent data placement.

D-TA2-WP3-5 (31 Dec 2025): Hash table based data placement and replication mechanisms.

D-TA2-WP3-7 (30 Sep 2025): Data-locality aware scheduling available in the overlay batch system.

D-TA3-WP4-3 (31 Dec 2024; LMU, MPIK): Standard interface for the publication of likelihoods, including a catalogue for the definition of common parameters.

D-TA4-WP1-3 (31 Dec 2024): Enrichment of Digital Research Products with descriptive metadata - demonstrator project to allow user access to SFB 1245 and astroparticle legacy data. => shifted to when? Connection to TU Darmstadt?

D-TA4-WP2-3 (30 Sep 2025): Define cross-layer connections for transformations of digital objects

D-TA5-WP1-2 (30 Sep 2025): Report on impact of on-line filtering on FAIR principles

D-TA5-WP2-4 (31 Dec 2024): Generic tool to both convert trained neural networks into efficient HLS/VHDL FPGA firmware optimised for a real-time, low-latency environment and to establish comparable software solutions. => shifted to Q1/2025

D-TA5-WP3-2 (31 Mar 2025): Present a framework in which queries to dynamic archives can be transformed into a dynamic filter (as used by some combination of sensors), and vice versa. => to be discussed?

D-TA5-WP4-1 (31 Dec 2024): Porting common off-line packages (e.g. CASA) to a memory-based computing prototype to prepare analysis of "data monster" => expected Q4/2025

D-TA5-WP4-2 (31 Mar 2025): Standard software (e.g. CASA) compatible with Gen-Z.

D-TA5-WP4-3 (30 Jun 2025): Caching strategies for processing a set of benchmark files with the evaluated efficiencies and latencies.

D-TA5-WP5-2 (31 Dec 2024): Interference recognition and mitigation schemes for transient discovery leading to a robust triggering system => shifted to Q2/2025

Deliverables 2024/ 2025

D-TA6-WP2-1b (31 March 2025): Requirements from all use cases will lead to the „Basic PUNCH AAI“

D-TA6-WP2-2b (31 December 2024): Complete design. => shifted to Q1/2025

D-TA6-WP2-3b (31 December 2024): Revised version based on requirements of PUNCH4NFDI use cases aligned with NFDI activities

D-TA6-WP3-3 (31 Dec 2025): Exploring existing dynamic metadata frameworks for their integration into the PUNCH-SDP.

D-TA6-WP3-4 (31 Dec 2024) Making Effelsberg data openly available. (end of 2025)

D-TA6-WP3-5 (31 Dec 2024): Flexible converter for FITS/ROOT formats; Preparing HESS data for FAIR access.

D-TA6-WP3-6 (31 Dec 2025): Demonstration of formats for metadata-extensions including auxiliary data through pointers and databases.

D-TA6-WP5-3 (30 Dec 2025): The consortium Gen-Z is developing an open standard for memory-based computing (since 2016). Upcoming extensions are explored concerning their relevance for TA5 where, inter alia, the astronomical framework CASA is optimised for analysing "data monster" (SKA will provide single images from the cosmos that may be as large as 1 PB). This may also serve as a prototype for genome research.

D-TA6-WP5-4a (31 Dec 2025): Access interfaces to the GPU cluster in Göttingen will be developed and provided for education and development purposes to the PUNCH4NFDI communities.

D-TA6-WP5-4b (31 Dec 2025): A fraction of the GoeGrid grid computing cluster in Göttingen will be provided to PUNCH4NFDI and beyond for analysis of the CERN open data to users without explicit CERN or experiment affiliation.

D-TA6-WP5-10 (31 Dec 2024): Set-up of FTS and Rucio for evaluation purposes inside the PUNCH consortium. Activities beyond need additional resources.

D-TA7-WP1-3 (30 Sep 2025): Development of a special programme and specific courses geared towards female scientists. Institutes: ZDV Mainz, Universität Göttingen

D-TA7-WP4-1 (31 Dec 2024): Map out potential research applications in citizen science. Institutes: AlfA – Universität Bonn, MPIfR Bonn

D-TA7-WP4-2 (31 Dec 2024): Prepare data sets and providing soft- and hardware infrastructure. Institutes: MPIfR Bonn
(documentation of these two deliverables -1 and -2 => deliverable report)

D-TA7-WP4-3 (31 Dec 2024): Pilot 6–12 months projects, engage schools and universities, evaluate results. Institutes: MPIfR Bonn, Universität Bielefeld

NFDI and beyond

Base4NFDI proposals: DMP4NFDI funding; DALIA and MC no funding; KGI shifted to Jan 2026 decision

- depending on TEC votum
- taking into account available funding in Base4NFDI
- consortia should make strategic decisions and not just evaluate individual services

Thank you!

The PUNCH4NFDI Consortium

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