Status PUNCH4NFDI TA6

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TA6 WP1 - Deliverables

- D-TA6-WP1-1 (01 Jan 2022):
  - Marketplace noticeboard: being set up at DESY
- D-TA6-WP1-2 (01 Jan 2023):
  - Exchange platform for archives, software, services: done and published
- D-TA6-WP1-3 (01 Jan 2023):
  - Synergies on cross cutting topics with NFDI: done and published
- D-TA6-WP1-4 (continuous):
  - Services and tools to be made available
- D-TA6-WP1-5 (continuous):
  - Collaboration with NFDI

TA6 WP1 – updates and highlights

TA6 WP2 - Deliverables

- D-TA6-WP2-1
  - Prototype PUNCH AAI (31 Mar 2022): done
  - Basic PUNCH AAI (31 Dec 2023): Unity dev requests #1, #2, #3
  - Extended PUNCH AAI (30 Sep 2026)

- D-TA6-WP2-2
  - Coordination with NFDI, national, international stake holders
    - Draft design (31 Dec 2022): done, published
    - Complete design (31 Dec 2024): done, published

- D-TA6-WP2-3
  - PUNCH AAI group management
    - Prototype (31 Dec 2022): done
    - Revised version (31 Dec 2024): in progress
    - Full group management (30 Sep 2026)

TA6 WP2 – updates and highlights

- Documentation see PUNCH AAI requirements document

- Established direct contact to Unity in close collaboration with IAM4NFDI and FZJ

    - Group information has been added to Tokens

    - Filter groups embedded in tokens in progress

    - Offer for granular authorisations still pending

- Successful development work: Indico access rights can now be controlled based on groups in PUNCH AAI

TA6 WP3 - Deliverables

- D-TA6-WP3-1 (31 Jul 2022)
  - Reference guide on publishing data: living document
- D-TA6-WP3-2 (31 Dec 2022)
  - Reference guide for publishing software: living document
- D-TA6-WP3-3 (31 Dec 2023)
  - Metadata frameworks for PUNCH-SDP: declared finished
- D-TA6-WP3-4 (31 Mar 2024)
  - Effelsberg data: data need to be converted, ongoing
- D-TA6-WP3-5 (31 Dec 2024)
  - Converter for FITS/ROOT formats: done, being published
- D-TA6-WP3-6 (31 Dec 2025)
  - Metadata extensions

TA6 WP3 – updates and highlights

TA6 WP4 - Deliverables

- **D-TA6-WP4-1**: survey of PUNCH tools
  - Initial overview (31 Jul 2022): done, being published
  - Final list (30 Jun 2026)
- **D-TA6-WP4-2** (30 Jan 2023)
  - Reference repository with CI: done, being published
- **D-TA6-WP4-4** (30 Jun 2026)
  - Data analysis examples
- **D-TA6-WP4-5** (30 Jul 2023)
  - Software platform: done, merged with Physics tool

TA6 WP4 – updates and highlights

TA6 WP5 - Deliverables

- **D-TA6-WP5-2** (30 Sep 2022)
  - Dynamic disk cache: done and published
- **D-TA6-WP5-3** (30 Dec 2025)
  - Memory based computing
- **D-TA6-WP5-4** (31 Dec 2025)
  - Interfaces to supercomputer, GPU, GoeGrid
- **D-TA6-WP5-5** (31 Dec 2024)
  - COBalD/TARDIS: done, being published
- **D-TA6-WP5-6** (30 Sep 2022)
  - MultiCloud resources: done, being published
- **D-TA6-WP5-7** (30 Sep 2026)
  - Standard analysis software in JupyterHub
- **D-TA6-WP5-8** (31 Dec 2023)
  - Services via API: ➔ changed to continuous
- **D-TA6-WP5-10** (30 Jun 2024)
  - FTS and Rucio: in progress

TA6 WP5 – updates and highlights