PUNCH4NFDI — TA 7

Education, Training, Outreach, and Citizen Science

PUNCH4NFDI TA7 Meeting

14.05.2025

Dates & Events

- 16-18 May 2025, Symposium: [Computer Simulations in STEM Education](#), siMINT Project, Münster Uni.

- 8 – 9 Sep 2025, [Open Science Festival, Vienna](#)

- 15 – 17 Sep 2025, [Open Science Fair Conference, CERN](#)

- 18 – 20 Sep 2025, Kiel, Deutsche Physikerinnentagung (https://indico.desy.de/event/47726/)

DFG Schedule for PUNCH 2.0

➢ 18 June – Submission of a binding letter of intent

➢ 6 August – Submission of a proposal

➢ November – Proposal defense (Bonn?)

Deliverables' Status for Q1-2025

Deliverable	Title	Status	Deliverable Report	Challenges
D-TA7-WP1-1	• Preparation of Online and in-person courses and workshops including hands-on sessions…	• Due Q3 2026	• Continuous work	
D-TA7-WP1-2	• Establishment of the PUNCH4NFDI Young Academy	• Achieved	• Published	
D-TA7-WP1-3	• Development of a special program geared towards female scientists	• Due Q3 2025	• On track	
D-TA7-WP1-4	• Critical review of the measures developed and development of a feedback system for training	• Achieved	• Published	
D-TA7-WP1-5	• Documentation and long-term archiving of training material	• Due Q3 2026	• Planning Phase	
D-TA7-WP2-1	Market Survey	• Achieved	• ? (timeline)	
D-TA7-WP2-2	Standardized curriculum	• Achieved	• ? (timeline)	
D-TA7-WP2-3	Teaching materials and courses and independent learning	• Due Q3 2026	• Ongoing activities	
D-TA7-WP2-4	Resources aggregation and access to computing infrastructure	• Due Q3 2026	• Ongoing activities	
D-TA7-WP2-5	Educational Events	• Due Q3 2026	• Planning Phase	

Deliverable	Title	Status	Deliverable Report	Challenges
D-TA7-WP3-1	**Networking**, outreach training, study on effectiveness of outreach, development of evaluation criteria.	• Due Q3 2026	• Continuous work	
D-TA7-WP3-2	**Access** to data and software for education and entertainment.	• Due Q3 2026	• Continuous work	
D-TA7-WP3-3	**Tutorials** and resources for teachers and students, material for masterclasses.	• Due Q3 2026	• Continuous work	
D-TA7-WP3-4	**Study** and test pedagogical approaches to promote data science to children.	• Due Q3 2026	• Continuous work	
D-TA7-WP3-5	**Pilot** extracurricular activities in schools, promote changes in school curricula.	• Achieved	• Published	
D-TA7-WP3-6	**Support** hackathons, rent a scientist, masterclasses, VO days.	• Due Q3 2026	• Continuous work	
D-TA7-WP4-1	Map out research applications in CS	• Achieved	• ? (timeline)	
D-TA7-WP4-2	Prepare Data sets, providing soft-and hardware infrastructure	• Achieved	• ? (timeline)	
D-TA7-WP4-3	Pilot 6–12-month projects, engage schools and universities, evaluate results	• Due Q3 2024	• Planning Phase	
D-TA7-WP4-4	Launch further projects jointly with the physics community	• Due Q3 2026		

1ˢᵗ 2025 Quarterly PUNCH report / Göttingen entries – TA7.WP1
1 January- 31 March 2025

- **Formal:**
- Baida Achkar (U Göttingen) co-lead Task Area 7
- Chairing TA7 monthly meetings, presenting TA7 @MB meetings (biweekly),
- Member of the support team @PUNCH Helpdesk system for Training
- **Highlights:**
- Proposals **RDMTraining4NFDI** & **DALIA4NFDI** reviewed
- D-TA7-WP1-4 report published on January 13: "Critical review of the measures developed and development of a feedback system to guide education and training"
- Organizing a Virtual Coffee Break to celebrate the International Day of Women and Girls in Science, February 13 2025
- Ongoing preparations to organize an Online Panel Session "Breaking Barriers in Physics, Engineering & Data Science: Women Leading, Balancing, and Transforming Science", registration opened on May 02

- **Published service:**
- **PYA one-to-one mentoring service (3rd round 2025):** continuously providing active Mentor-Mentee tandems with guidelines and useful resources links to facilitate productive/fruitful mentoring meetings/discussions. Information about the service, deadlines and forms accessible through: intra.punch4nfdi/TA7/WP1/PUNCH-Young-Academy page.
- **Continuous Work:**
- Continuous documentation of PYA training events on Intra.punch4nfdi.
- Ongoing migration of WP1 records & coordination with TA7-WPs