

PUNCH4NFDI — TA 7

Education, Training, Outreach, and Citizen Science

TA7 Meeting -Unplugged Week

31.01.2024



TA7 People

WP1 Training Experts GAU Goettingen



Arnulf Quadt



Baida Achkar

WP3 Outreach & Schools Uni Bonn



Sonja Felder



David Ohse



Frank Bertoldi

WP2 Educating Students TU Dortmund



Carsten Burgard



Kevin Kröninger

WP4 Citizen Science MPIfR/Uni Bonn, KIT



Michael Kramer



Pranav Limaye



Victoria Tokareva

Baida Achkar (U Göttingen) replaced Kevin Kröninger (TU Dortmund) as Task Area 7 co-lead with Frank Bertoldi

TA7 Goals

WP1

- Provide a broad and a high-quality training for Ph.D, postdocs & senior scientists in PUNCH communities.
- Establish the PUNCH4NFDI Young Academy (regular events & courses) and career-development support
- Provide a documentation and archive services/Material for the training (cooperation with the TIB)

WP2

- Provide educational resources for university-level teaching with a focus on NFDI issues
- Develop proposals for the integration of topics related to research data management into university curricula

WP3

- Clarify the relevance of data for discoveries in modern physics and make it accessible to the general public
- Offers for different interaction groups: pupils, teacher, hobby scientists, ...

WP4

- Actively engage the public in citizen science projects such as Einstein@Home
- Provide incentives and access to data infrastructure and methods to involve the public in ongoing research

TA7 - WP1 : TRAINING EXPERTS

TA7 - WP1 : TRAINING EXPERTS - 2023



Topical hands-on workshop on TA2 tools (19 participants, 9-10 March 2023, Göttingen) - **A**



Coffee-Break: Celebrating the International Day for Girls in Science, 13 Feb 2023



Start of the first One-to-One Mentoring round, May 2023

Advanced training on PUNCH4NFDI tools and services (15 participants on site, 11 October 2023, Munich) - **A**

2-day online training on Git and clean code (6-7 July 2023). Repeat and open up! - **B + I**

D-TA7-WP1-1, Preparation of online and in-person courses and workshops
D-TA7-WP1-2, Establishment of the **PUNCH Young Academy PYA**

- **Beginner (B)**
- **Intermediate (I)**
- **Advanced (A)**

TA7 - WP1 : TRAINING EXPERTS - 2024 Plan

Advanced training on REANA online,
06. Feb, open to registration, Level **A**

2-day online training on Git and clean code
(28-29 May 2024). Repeat and open up!, Level **B + I**

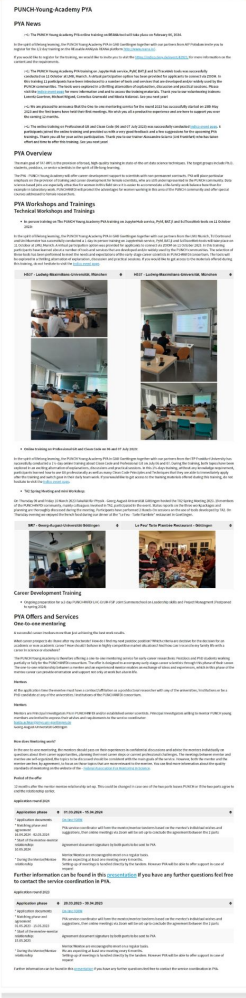


Start of the second
One-to-One Mentoring round,
March 2024

How to create an efficient software container for use
with Docker, Apptainer, and Compute4PUNCH
(online, April date tbd), Level **B + I**

Career Development: PYA & LHC-ErUM FSP Joint Training
Topics: “Leadership Skills and Project Management”, Goettingen, 21-22 March

- **Beginner (B)**
- **Intermediate (I)**
- **Advanced (A)**



TA7 - WP1 : TRAINING EXPERTS - Synergies, Work In Progress

Work In Progress

- ➔ Detailed and up-to-date documentation of PYA services/offers + application forms on [intra punch](#)
- ➔ Market survey on training/teaching platforms to host training and courses materials offered by PYA. Join forces within PUNCH and with ErUM-Data-Hub to come to a recommendation/proposal in this regard.
- ➔ Approaching PUNCH TAs/WPs Leaders to develop broad scope and advanced technical trainings for the young punch staff: focus on PhDs, Postdocs and non-permanent scientists. **WE NEED YOUR INPUTS!!**
- ➔ New Content and New Concepts: Career development training foreseen in collaboration with LHC-ErUM-FSP Office, coaching program for female PUNCH scientists under investigation.
- ➔ In a larger context, ongoing communication with colleagues in other TAs to identify potential topics, scientific methods, schools projects that could be relevant for pupils, non-scientists and public. Hot topics to be covered in public science slams and podcasts are also targeted in these interviews.

