ErUM-Data-Hub & DIG-UM present

PYOPP Workshop

„Publish Your Own Python Package"

June 24 - 27 2025

Welcome

ERUM
DATA HUB

Welcome!

PYOPP Workshop:

- **24 – 27 June 2025** (Tuesday – Friday)

- **INC Invention Center** (Campus Melaten)

- Idea: Stefan Fröse & Peter Fackeldey

Organisation by ErUM-Data-Hub:

- Jan Bürger, Benjamin Fischer, Martin Erdmann, Ulla
  Lardinoix, Judith Steinfeld, Angela Warkentin

Any Questions?

- angela.warkentin@erumdatahub.de

- +49 241 8027490 (Redirected to my mobile during workshop)

  - Door to this building is closed from 5pm, I have a key

ERUM-DATA-HUB & DIG-UM PRESENT

PYOPP
PUBLISH YOUR OWN
PYTHON PACKAGE

24.06.25 - 27.06.25

Aachen

INC Invention Center

LEARN ABOUT

Version Control
Code Quality
Testing
CI & Documentation
Packaging Bascis
Advanced Packaging
Publishing & CD

Contact & Information:

www.erumdatahub.de
info@erumdatahub.de
https://indico.desy.de/event/43817/

Have an inside look

FOLLOW US

GEFÖRDERT VOM
Bundesministerium
für Bildung
und Forschung

ERUM
DATA HUB

SUPPORTED BY
DIG-UM

What is ErUM?
You are part of it!

Astroparticle Physics

Elementary Particles Physics

Research with neutrons

Research with nuclear probes and ion beams

Research with synchrotron radiation

German Observatory Council

Accelerator Physics

Hadron and nuclear physics

Related sciences and industry

Bundesministerium
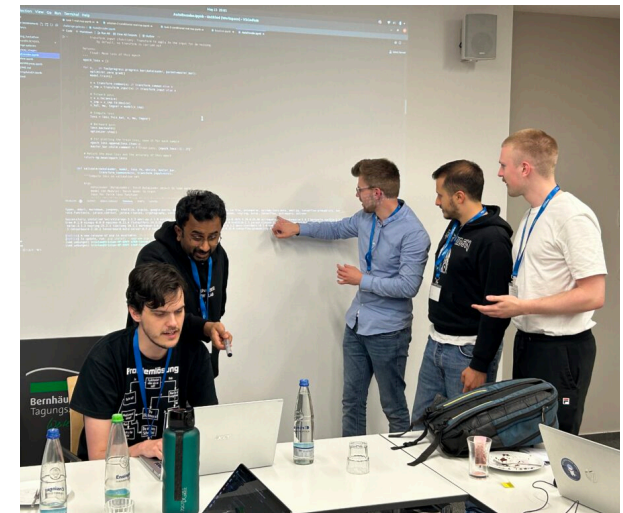für Bildung
und Forschung

What is that beautiful building?

Concept & Goal for the week

- **Lectures:** learn all the steps to publish, document, and test your python package

- **Hands-On:** work on your own packages
  - We will help you to implement learned contents
  - Lecturers, tutors & ErUM-Data-Hub team

- **Goal:** (Publish &) <u>pitch</u> your package on Friday

Lectures

Lectures:

Version Control

David Koch

Code Quality

Stefan Fröse

Testing

Nikolai Krug

CI & Documentation
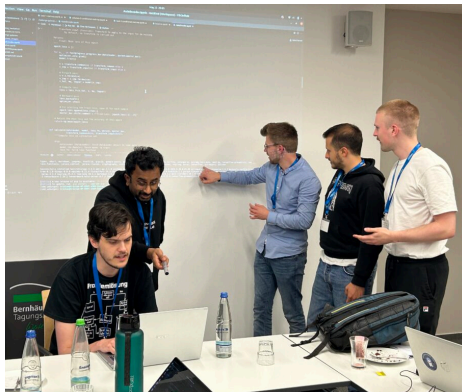
Anno Knierim

Packaging Basics & Advanced

Angus Hollands

Publishing & CD

Jonas Eschle

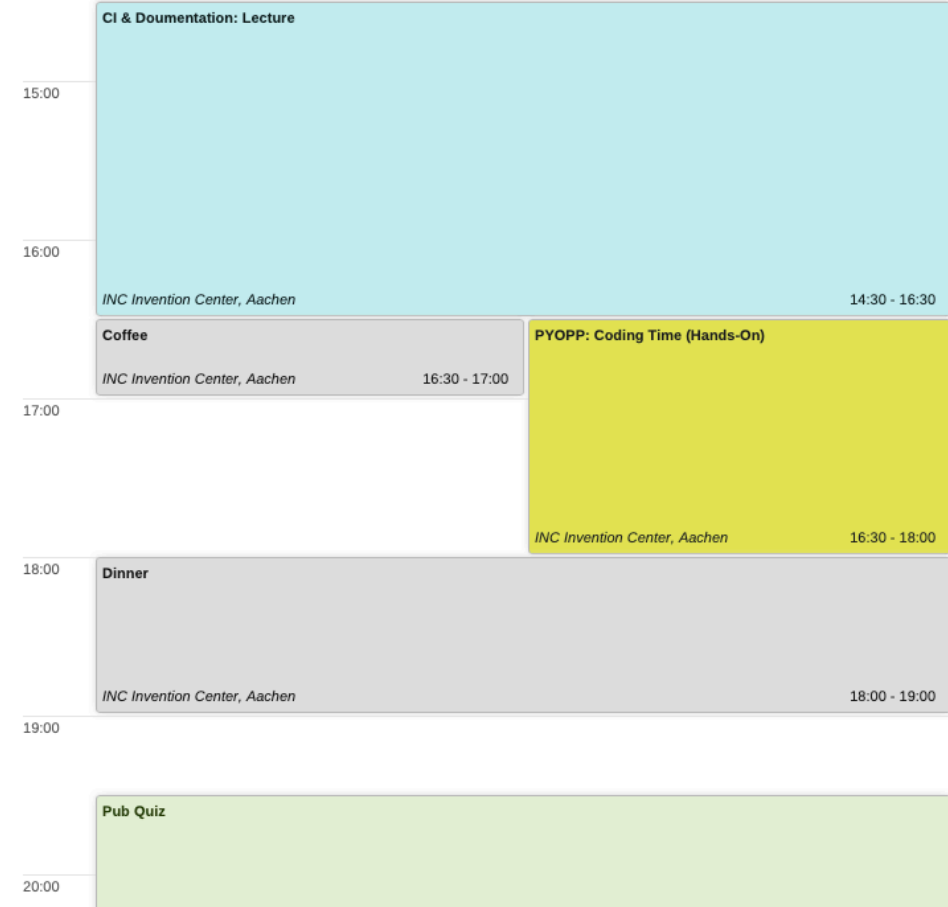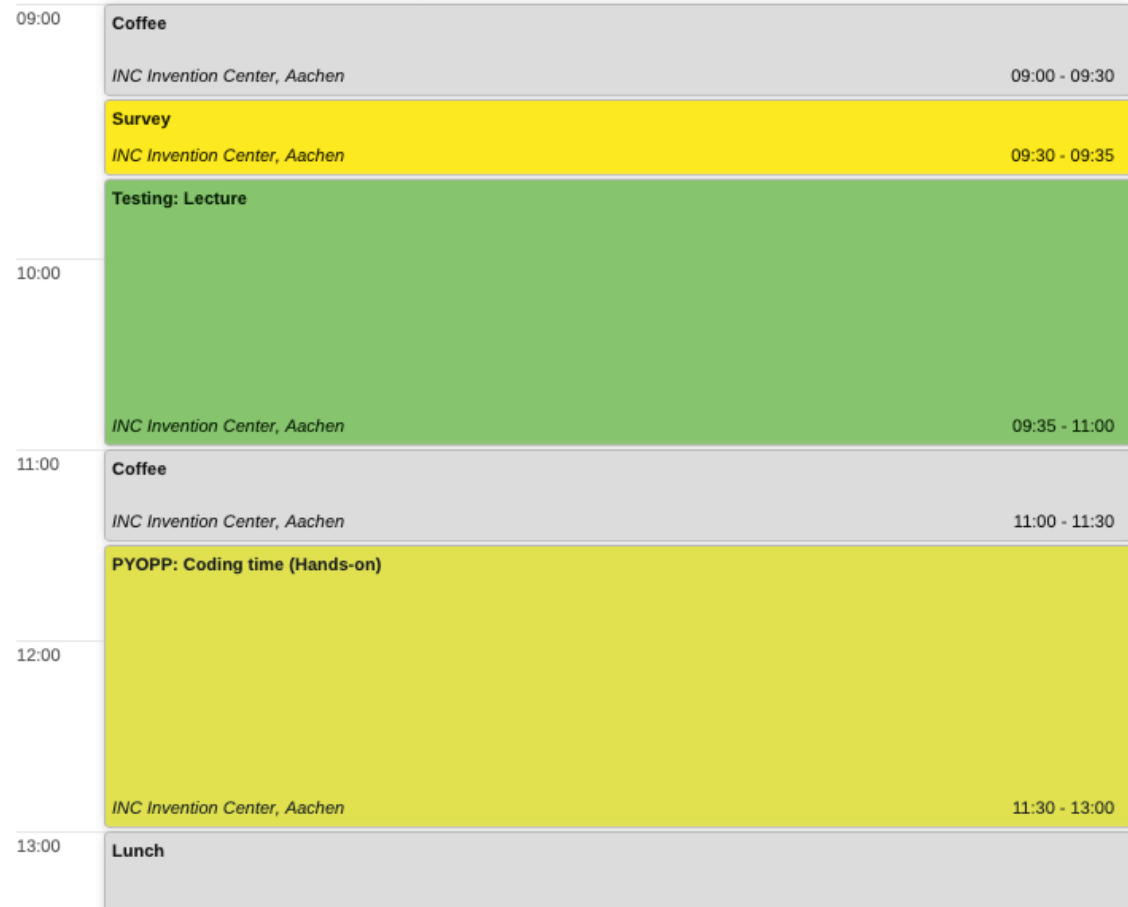**Tutors**

Yazeed Balasmeh

Felix Wersig

Tuesday

09:00	**Arrival & Registration** *INC Invention Center, Aachen* 09:00 - 09:30
	Welcome: Introduction & Get Started *INC Invention Center, Aachen* 09:30 - 10:00
10:00	**Lecture: Version Control**
11:00	*INC Invention Center, Aachen* 10:00 - 11:30
	Coffee *INC Invention Center, Aachen* 11:30 - 12:00
12:00	**Lecture: Code Quality** *INC Invention Center, Aachen* 12:00 - 13:00
13:00	**Lunch**

	Packaging: Basics
15:00	*INC Invention Center, Aachen* 14:30 - 16:00
16:00	**Coffee** *INC Invention Center, Aachen* 16:00 - 16:30
	PYOPP: Coding Time (Hands-On)
17:00	*INC Invention Center, Aachen* 16:30 - 18:00
18:00	**Welcome Dinner**

Wednesday: Full Day & Pub Quiz

Coffee
INC Invention Center, Aachen
09:00 - 09:30

Survey
INC Invention Center, Aachen
09:30 - 09:35

Testing: Lecture
INC Invention Center, Aachen
09:35 - 11:00

Coffee
INC Invention Center, Aachen
11:00 - 11:30

PYOPP: Coding time (Hands-on)
INC Invention Center, Aachen
11:30 - 13:00

Lunch

CI & Doumentation: Lecture
INC Invention Center, Aachen
14:30 - 16:30

Coffee
INC Invention Center, Aachen
16:30 - 17:00

PYOPP: Coding Time (Hands-On)
INC Invention Center, Aachen
16:30 - 18:00

Dinner
INC Invention Center, Aachen
18:00 - 19:00

Pub Quiz

Thursday

Time	Event	Location	Hours
09:00	Coffee	INC Invention Center, Aachen	09:00 - 09:30
09:30	Packaging: Advanced Packaging	INC Invention Center, Aachen	09:30 - 11:00
11:00	Coffee	INC Invention Center, Aachen	11:00 - 11:30
11:30	Packaging: Advanced Packaging	INC Invention Center, Aachen	11:30 - 13:00
13:00	Lunch		

Time	Event	Location	Hours
14:30	Publishing & CD: Lecture	INC Invention Center, Aachen	14:30 - 16:00
16:00	Coffee	INC Invention Center, Aachen	16:00 - 16:30
16:30	PYOPP: Coding time: Packaging & CD	INC Invention Center, Aachen	16:30 - 18:00
19:00	Dinner @ 60 Seconds to Napoli		

Friday

Time	Event	Location	Time
09:00	**Coffee**	INC Invention Center, Aachen	09:00 - 09:30
	PYOPP: Finish Your Package	INC Invention Center, Aachen	09:30 - 11:00
11:00	**Coffee**	INC Invention Center, Aachen	11:00 - 11:30
	Pitch Your Package	INC Invention Center, Aachen	11:30 - 12:30
	Wrap-Up: Summary / Quick Demo / Farewell	INC Invention Center, Aachen	12:30 - 13:00
13:00	**Lunch**		

All Info & Materials on Indico: https://indico.desy.de/event/43817/

Join the PYOPP Chat:

- https://tlk.io/pyopp

- In browser

- No login needed
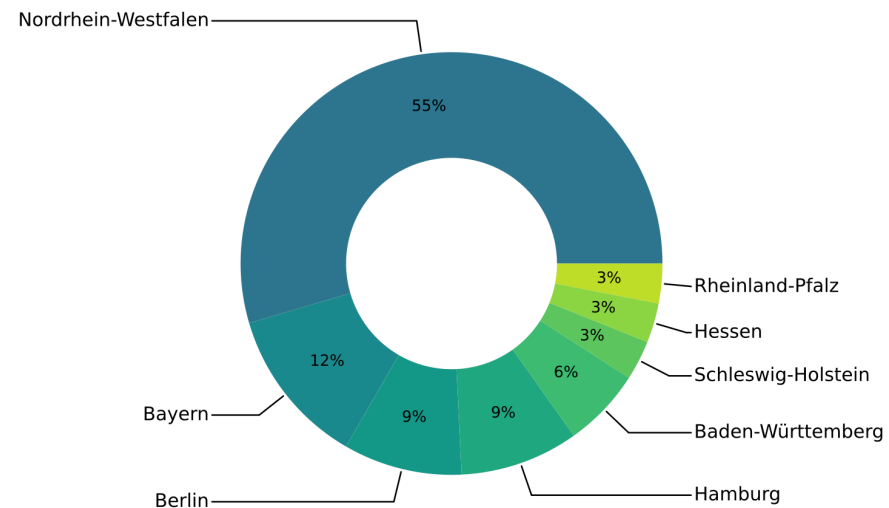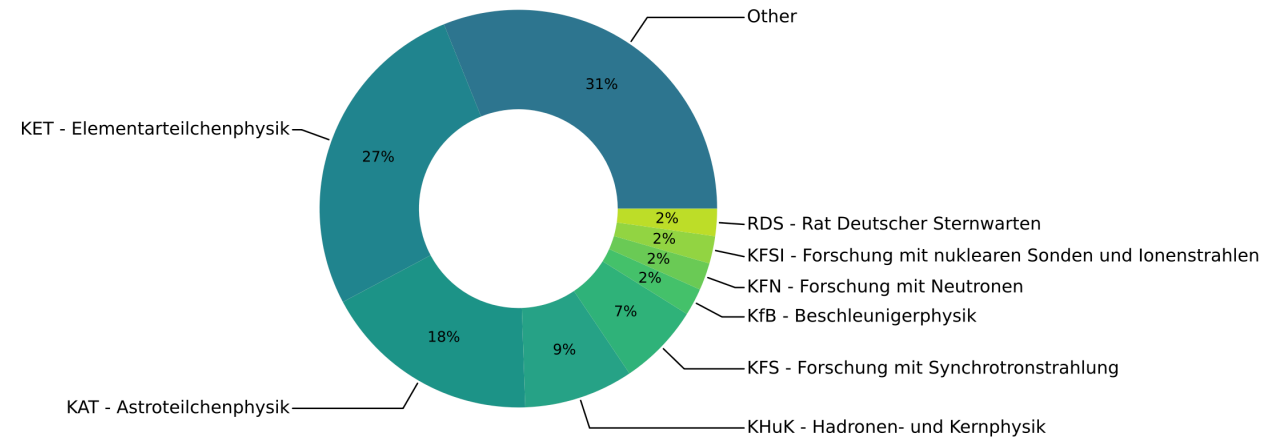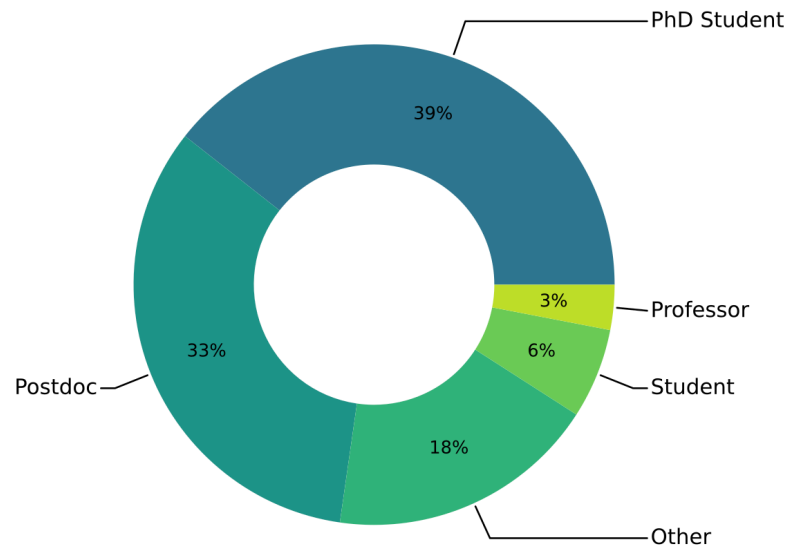
- Leave browser open

Spare Time

- All meals & coffee breaks are included for you

- Join the (P)Hub-Quiz on Wednesday:

  - Drinks are on us

  - Sign up with teams of 3 – 5:

  - https://docs.google.com/spreadsheets/d/1bPU-hfLMHDt-jL7KKya-PPo-xCDBl_dkU-Idw_OKAcc/edit?usp=sharing

  - Best group name gets +3 points

We are a mixed group with different perspectives

Restaurants & Activities in Aachen

https://indico.desy.de/event/43817/page/5219-recommendations-in-aachen

Tuesday

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