

19th HPC Café

01.10.2026



Agenda HPC Café – 01.10.2026

Topics for today:

- **Focus Topic: Job waiting time and best practices**
- Transition to HoreKa 2: Status
- Discussion and open floor

As usual this format is meant to be interactive.
Don't hesitate to ask questions!

Focus Topic: Job waiting time and best practices



Waiting times on HPC systems

Disclaimer: We know this is a (at least sometimes) frustrating topic

■ Ideas for today:

- Impulses for what you can do to improve it
- Some insights into waiting times
- Discussion on improving the transparency

Especially for this session:

We do want to hear from you!

Don't hesitate to speak up!

Waiting times on HPC systems

- The transition time from HoreKa to HoreKa 2 was challenging, especially on the CPU side
 - Constraints on the operation side for power and cooling budgets
 - Requirement to reduce available resources
- But still same, and growing scientific demand

Aspect for Discussion

- What is the goal?
 - Enabling more transparency towards you (the users of the system)
 - Provide easier accessible information on the state of the system

- For today:
 - Is this information useful for you?
 - What other of information would be useful for you?

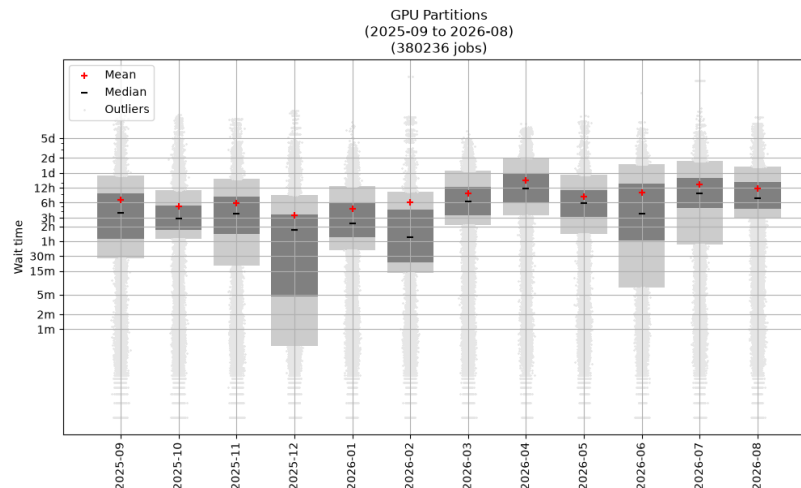
Aspect for Discussion

■ The Idea

- Evaluate waiting times of all jobs on the HPC systems
- Provide a high-level view based on average waiting times
- Evaluate the mean per user
 - Reduces bias for users with many vs few jobs
- Plot per month, week (or even daily)

■ However it comes with limitations

- Job scheduling is a large parameter space
- This view only provides high-level insights



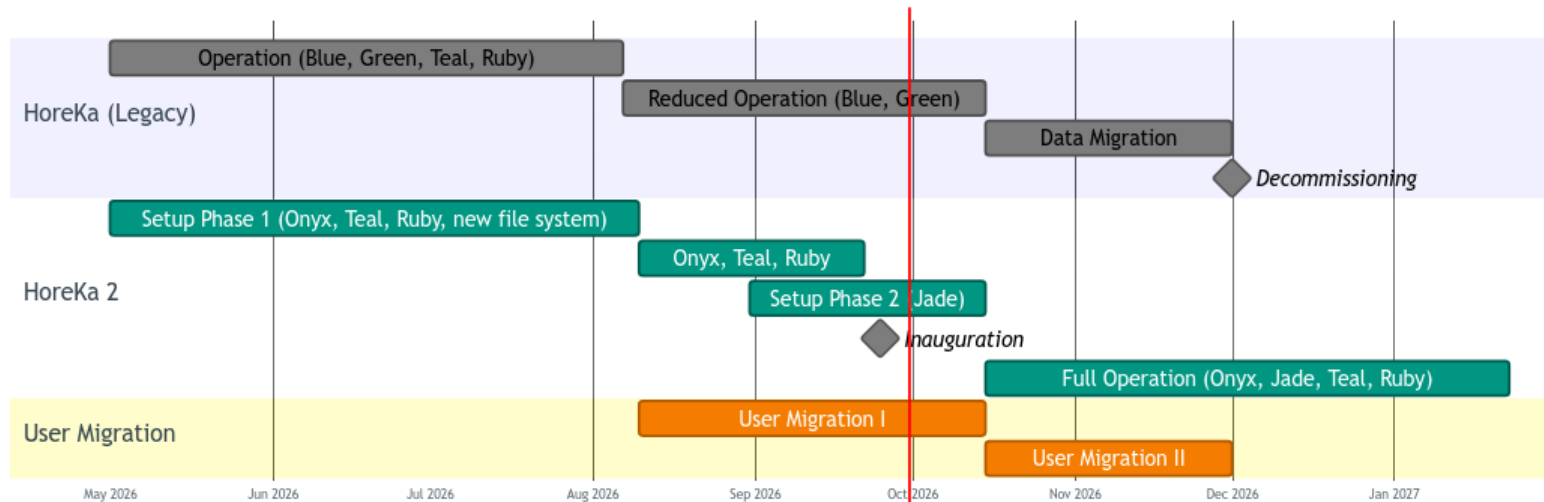
Updates on HoreKa 2



Transition to HoreKa 2: Status



Transition to HoreKa 2: Status



- New documentation under <https://docs.nhr.kit.edu>
- GPU partition in setup
- Transition of CPU projects currently ongoing

Time for Discussion



Next HPC Café

- Next HPC Café planned for **5 November 2026, 10 am**
- Reminder: regular timeslot for the HPC Café
 - Every **first Thursday of the month 10:00 am**
- [Third Workshop on Research Software Engineering \(RSE\) @ KIT](#)
 - For all RSEs and research software interested persons at KIT
 - 20.10.2026, 1-6pm, Room 1.067, Building 20.30
- As always, open to hear ideas for topics and talks, from ...
 - Yourself
 - Colleagues and collaborators
 - Also just expressions for “topics of interest”