

LUMI



What else?

A brief discussion about what else LUST offers, what is not covered in this course, and how you can learn about it.

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What did we not cover?

- For several topics, this course gave only a brief overview with many details omitted
- General topics not covered at all:
 - Guidelines for writing HPC-friendly code
 - Debugging and profiling tools
 - Developing (portable) code for GPU and optimising that code
- And it is not a very domain-specific course (well, the domain is “LUMI supercomputer” and not CFD or molecular dynamics or AI)

LUST trainings

- Introductory training: Basically this training...
- 4-day comprehensive training oriented towards traditional HPC:
 - Mostly given by HPE and AMD experts
 - Covers also debugging and profiling tools, and a bit about writing HPC-friendly code
 - Some topics of this course covered in more depth
 - On-site recommended for contact with HPE and AMD experts
 - Next edition: Likely 28-31 October in The Netherlands
- AI on LUMI: Workshop-style training on AI
 - Under development
 - 1st edition: End of May in Copenhagen
 - On-site necessary for the full experience
- Building a more workshop-like course on debugging and profiling
 - Maybe bring-your-own code to experiment
 - On-site necessary for the full experience

Other trainings

- PRACE coordination is no more, EuroHPC is starting up an effort
 - For now overview by CASTIEL: www.eurocc-access.eu/services/training
 - Courses about tools, about programming paradigms, ...
- AMD provides trainings in Europe from time to time
 - Latest edition was a [course for HLRS in April 2024](#)
 - Excellent materials from a [course at ENCCS](#), with [recordings on YouTube](#)
- LUMI consortium countries also organise courses from time to time
 - E.g., in January there was a GROMACS course at CSC in collaboration with [BioExcell](#) and the EuroHPC national competence centres of Finland and Sweden
 - Some of those courses are also announced on [the LUMI web site](#)

Other LUST services

- Yearly “hackathon”: No specific theme, but for optimisation of your code with the help of experts from HPE, AMD and LUST
 - One week, so a clear goal is needed
 - Next one in 14-18 October in Brussels
- Porting call: When resources allow, we also launch a call for assistance in porting code
 - Assistance = you guarantee availability of people in the time window
 - Help from experts at HPE, AMD and LUST
 - Selection partly based on potential impact of the code
- Monthly virtual user coffee break
 - Usually last Wednesday of the month
 - Often with a short presentation
 - Experts from HPE and AMD also present

LUMI web sites

- Main LUMI web site at lumi-supercomputer.eu
 - Links to information on obtaining an allocation and to training events
- Documentation split in two:
 - docs.lumi-supercomputer.eu: Everything except documentation that is very specific to a single package
 - [LUMI Software Library](https://lumi-supercomputer.github.io) at lumi-supercomputer.github.io: Package-specific information for all software for which we have some support
- [LUMI training materials](https://lumi-supercomputer.github.io) at lumi-supercomputer.github.io: Archive of past LUMI trainings and user coffee break presentations
 - Not all materials online, some only available on LUMI
- Some local organisations have documentation that is relevant to LUMI
 - We link to it if it is a real addition to our materials and we know about it

The End...

