

HPC-Europa3 - travel, compute, network

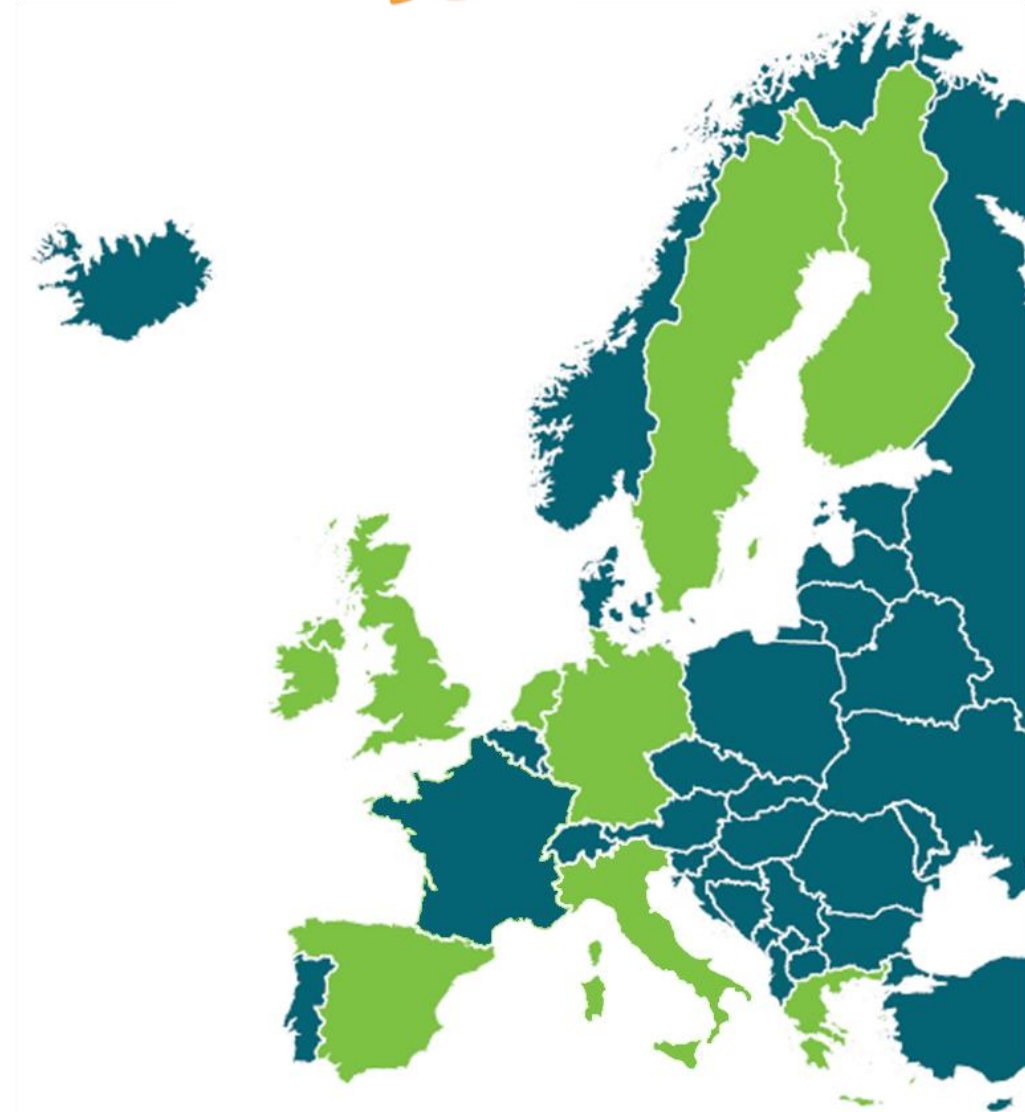


- What is HPC-Europa3?
- What do you get?
- Who can apply?
- Why would you apply?
- Where can you go?
- How do you apply?
- Need help? Ask us!



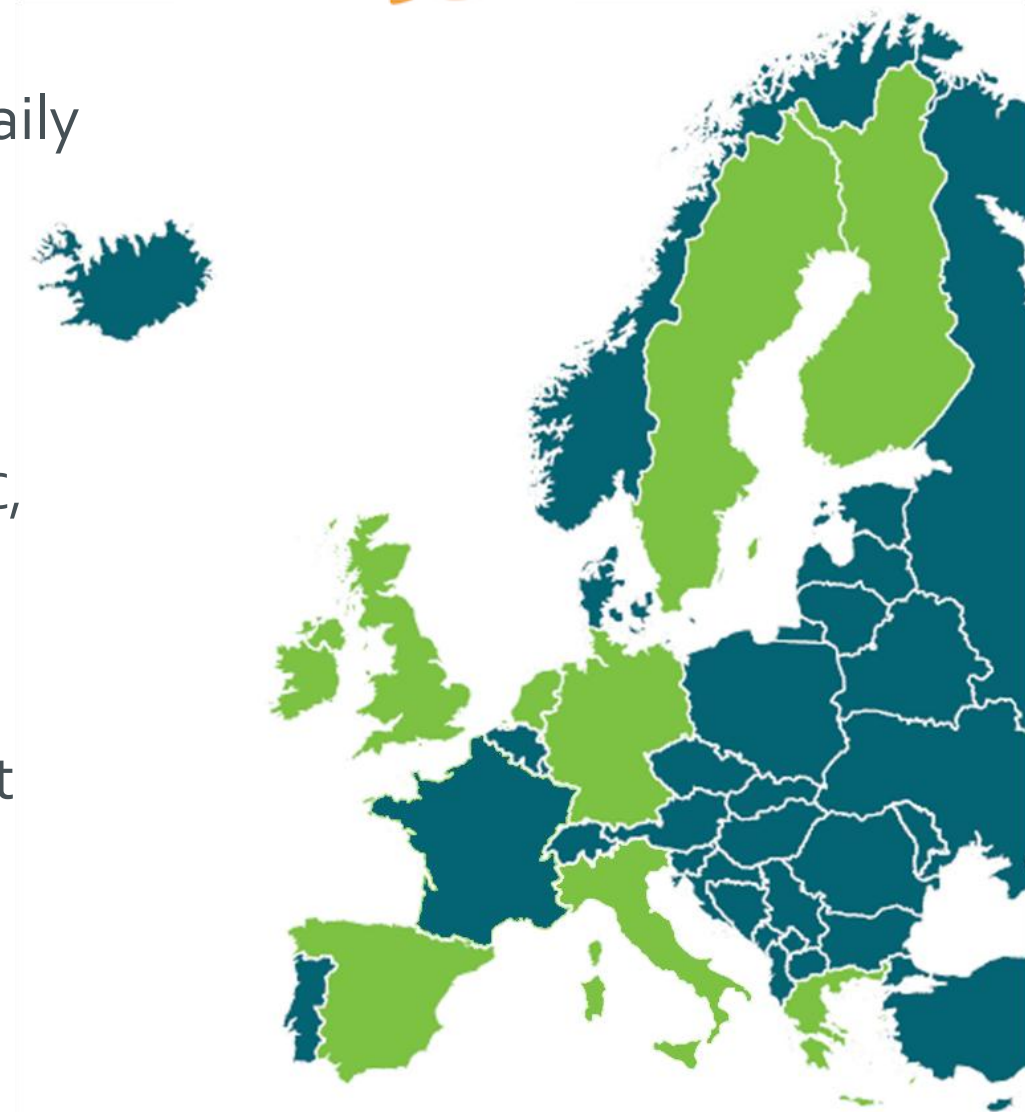
What is HPC-Europa?

- EC programme to foster international research collaboration using High Performance Computing (HPC)
- Continuation to HPC and HPC2 (ended in 2014)
- Facilitates adopting HPC to new scientific disciplines
- Funds research visits using HPC
- Explores containers as a means for taking your code and workflows with you



What do you get?

- Travel and accommodation costs covered + small daily allowance
- Computational resources and support from target country supercomputing center
 - BSC, CINECA, CSC, EPCC, GRNET, HLRS, ICHEC, KTH-PDC, SurfSARA
- Visit duration 3-13 weeks
- Supervision from host for your collaboration project
- HPCE3 aims to fund 1220 visits in 4 years
 - Acceptance ratio is high and management overhead low



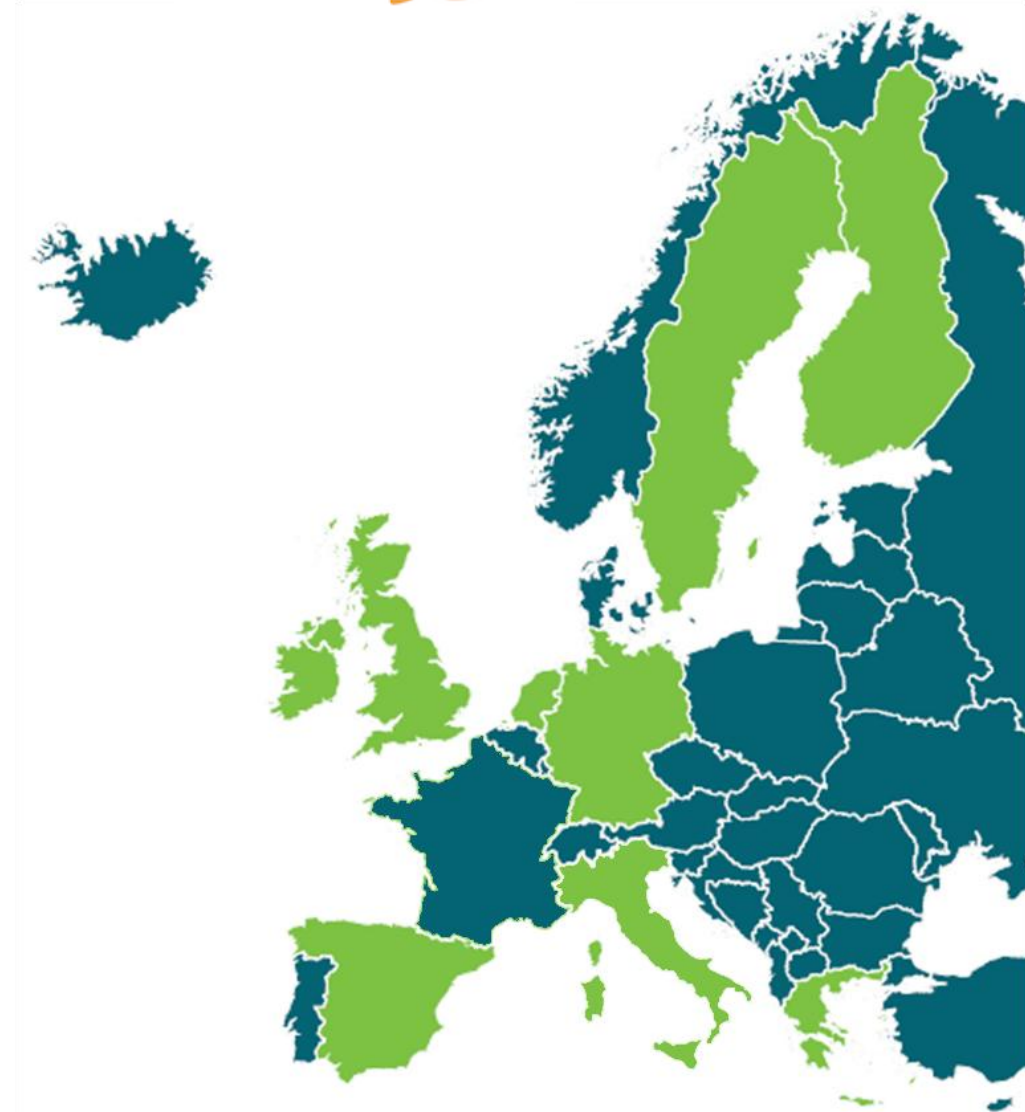
Who can apply?

- Researchers at all levels from master students to professors - also from commercial companies
- Home organization in EU or associated state (or even elsewhere upto 20% of resources)
- For non-proprietary research requiring high performance computing
- Those wishing to start or strengthen collaboration, working on common HPC code, etc. make a valid "case for HPCE₃"



Why would you apply (or invite)?

- Excellent opportunity to start international collaboration - paid by EC
 - learn or teach a new method (consultation)
 - contribute to a code (optimisation, development)
 - access resources not available locally
 - porting, benchmarking, production runs
 - participate in training
 - ...
- Extend your professional network
 - And build the base for future work / post doc location
 - Strengthen existing collaboration



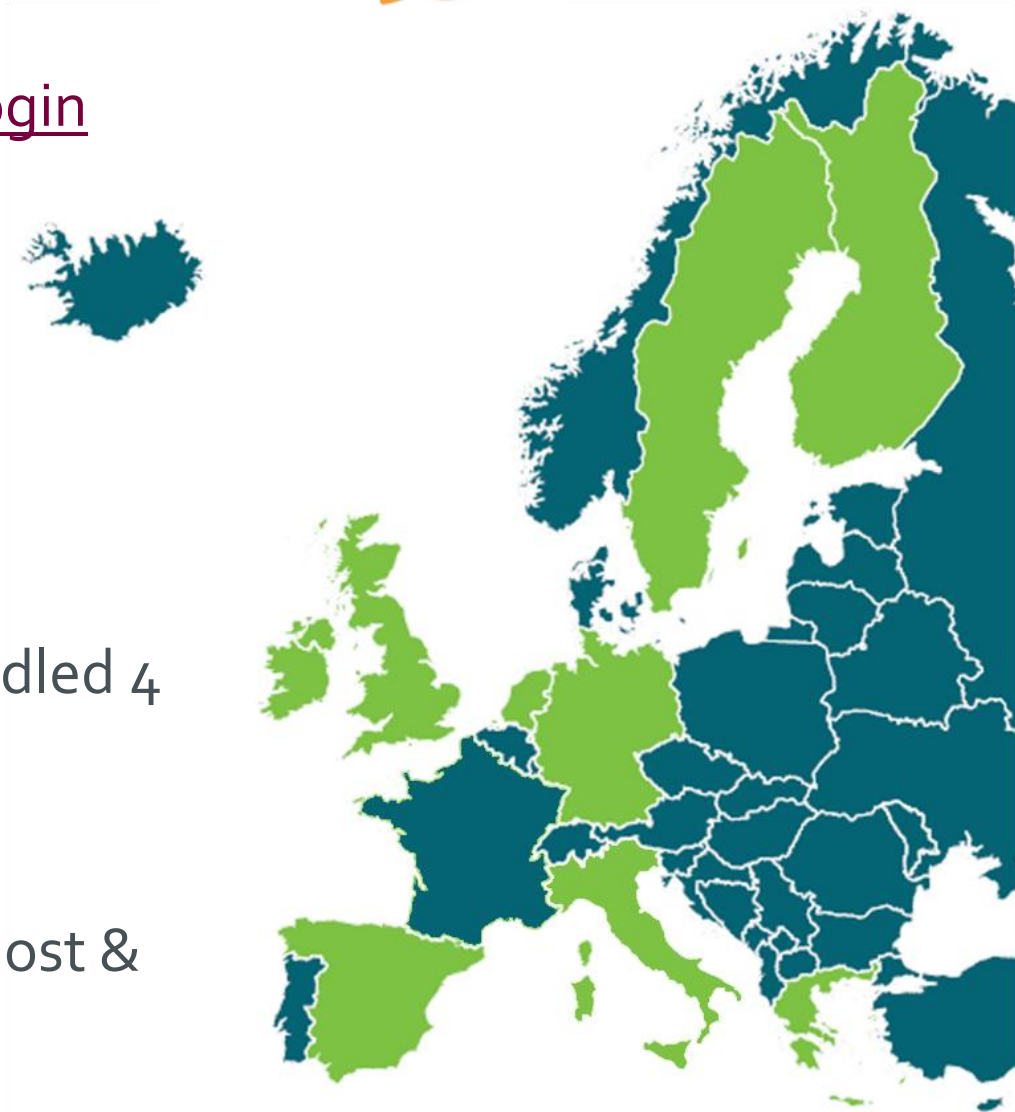
Where can you go?

- To any of the green countries
- There are hundreds of research groups signed up as Hosts
- See web for introduction to each country:
http://www.hpc-europa.eu/transnational_access
- If you're not listed as a Host yet, sign up at
<https://hpc-europa.cineca.it/host/login>
- Typically you'd be hosted by a research group (or a company), sometimes the HPC center



How can I apply?

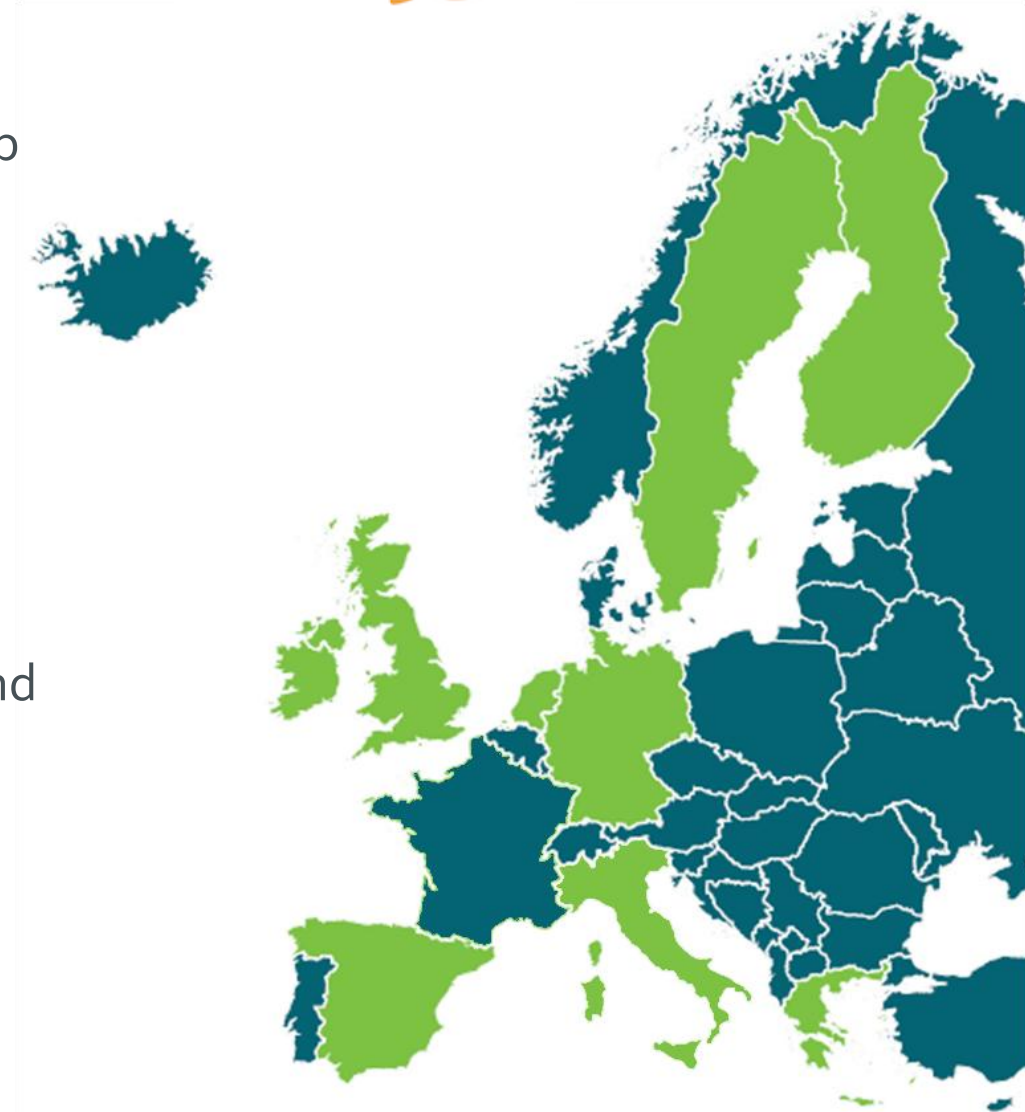
- Visitor, at <https://hpc-europa.cineca.it/researcher/login>
- Look for a host from the list or suggest a new one
 - It's a good idea to contact the host before submitting your application
- Fill in the application online
 - If you have questions, ask for help: staff@hpc-europa.org
- The call is open all the time, applications will be handled 4 times a year
 - DLs shown on main website: <http://www.hpc-europa.org/>
- Selection is made by international panel based on Host & receiving HPC center reviews



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- Four calls every year until April 2021
 - Visit a group or invite a (coming) collaborator to your group
- Requirements:
 - Non-proprietary research
 - Affiliated at an EU-country or associated country
 - Project can make use of HPC resources
- Provided:
 - Support for accommodation, travel costs for 3-13 weeks and a small daily allowance
 - Resources and support from local HPC-center
- <http://www.hpc-europa.org> main site
- hpc-europa@csc.fi ask from us at CSC



Thank you! Questions?

- The stream has a lag of few seconds...patience
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