

EuroLat

A consortium of European lattice theorists

EuroLat

Founding meeting 3-4 April, Southern Denmark U

Attendees from CERN and countries throughout Europe

Austria - Graz

Cyprus - The Cyprus Inst, Cyprus

Denmark - Southern Denmark

France - Aix-Marseille

Germany - Bielefeld, Jülich, Regensburg, Siegen, Bonn

Hungary - Eötvös Loránd

Ireland - Maynooth, Trinity College Dublin

Italy - Parma, INFN, Roma La Sapienza, Roma Tor Vergata, Pisa, Milano-Bicocca

Netherlands - Groningen

Switzerland - Bern

UK - Plymouth, Edinburgh, Glasgow, Liverpool, Swansea

and others

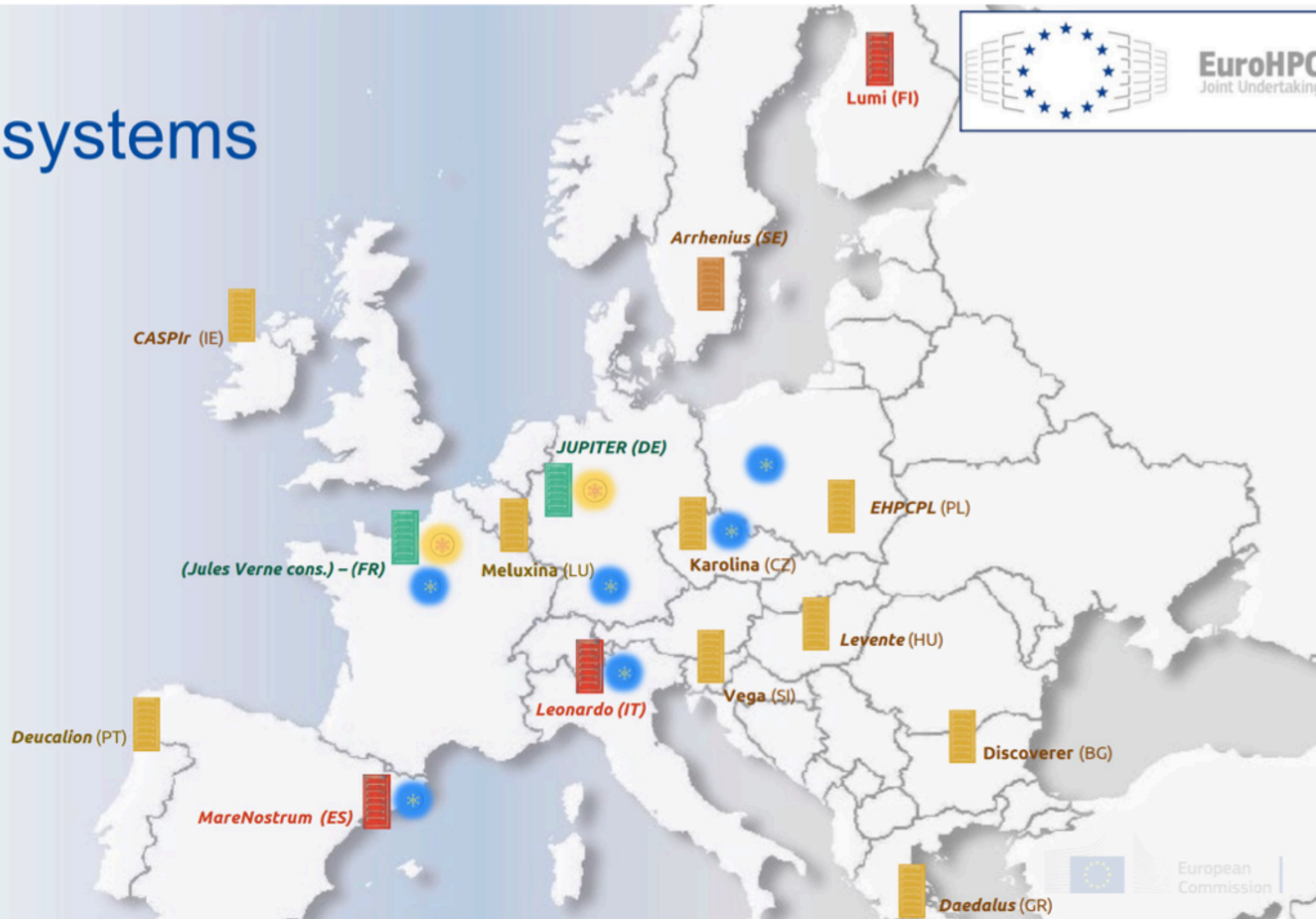
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EuroHPC Joint Undertaking, €1 billion per year budget

UK joined EuroHPC in May 2024

EuroHPC systems

- Exascale
- Pre-exascale
- Petascale
- Qcomputer
- Qsimulator



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Purpose

EuroHPC has 10 Centres of Excellence:
earth science, biomolecular, climate challenges, software, engineering,
weather/climate, materials, astrophysics, plasma, and fluids.

Lattice Field Theory not clearly part of one...

EuroLAT to provide a voice for European lattice community, act as central contact point for and present coherent science case to EuroHPC, European HPC centres, and funding agencies regarding:

- computing and data storage requirements of community, and
- strategic planning and procurement of hardware.

Will also promote and coordinate training and disseminate funding opportunities.

Draw inspiration from USQCD for community representation. However, likely no role in hardware management and allocation.

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Participation

Wide membership would allow EuroLat to effectively represent the community. (In US, new PhD students join USQCD.)

Large Executive Committee would help ensure fair representation across lattice community.

How to participate:

- Invitation email (sent 25 April from Antonio Rago) via lattice mailing list directs to a Google docs form:
https://docs.google.com/forms/d/e/1FAIpQLSfS5vaPDO9cRRbEsUt38O1Kfd84-jgbF3qQu47gTdq1NP_47Q/viewform?usp=dialog
- Form allows to join EuroLat and nominate for Executive Committee membership.
- Attend a periodic (maybe annual) meeting for all hands.

EuroLat

Lattice Data Grid (LDG)

LDG a planned European component of larger I(nternational)LDG.
Manage European nodes at appropriate level.

In Fall '25, will form a working group composed of collaboration, ILDG, and EuroLat representatives with goals:

- ensure balanced community representation,
- establish organisation of and mandate for LDG, and
- sort how LDG will interface with service providers and ILDG.

To participate, reply to an upcoming all-hands email.