THE EUROPEAN HIGH PERFORMANCE COMPUTING JOINT UNDERTAKING

The EuroHPC Supercomputing Infrastructure
Full Speed Ahead

EuroHPC
Joint Undertaking

EuroHPC User Days
30 Sep 2025

The EuroHPC Supercomputing Ecosystem

EXASCALE

PRE-EXASCALE

PETASCALE

MID-RANGE

Operational — Lumi (FI)

Arrhenius (SE) — **Loading...**

CASPIr (IE) — **In preparation**

Inaugurated — JUPITER (DE)

Operational — Karolina (CZ)

Operational — MeluXina (LU)

Alice Recoque (FR) — **In procurement**

Vega (SI)

LEVENTE (HU) — **In preparation**

Operational Recently upgraded — Discoverer (BG)

Operational — Deucalion (PT)

Leonardo (IT) — **Operational** LISA upgrade loading...

MareNostrum 5 (ES) — **Operational**

Daedalus (GR) — **Loading...**

The EuroHPC Supercomputing Ecosystem – The numbers

Computing Performance

8* **systems** comprising **21 partitions offering**

~900 PFlops

of aggregated sustained Linpack performance
…soon to be increased** to

~2 ExaFlops

15597 CPU Nodes (AMD/Intel x86 and Fujitsu ARM)
7869 GPU Nodes

30324 GPUs (NVidia A100/H100/H200, AMD MI250X)
27104 GPUs coming ** soon (NVIDIA GH200)

Budget
(CapEx)

Pre-exascale – Petascale program

Total budget: **510,000,000 €**
EU Contribution: **240,000,000 €**

Exascale program

Total budget: **567,800,000 €**
EU Contribution: **283,900,000 €**

Mid-range & upgrades program

Total budget: **153,100,000 €**
EU Contribution: **53,600,000 €**

€

Impact

Open for user access since Dec 2021

145,161,896 node hours Awarded to

2,334 Projects

Powering strategic applications

- **Destination Earth**
- **AI Boost – Training of European LLMs**

Across all EuroHPC Member States

Lumi (FI)

Arrhenius (SE)

CASPIr (IE)

MeluXina (LU)   JUPITER (DE)

Alice Recoque (FR)

Vega (SI)

LEVENTE (HU)

Discoverer (BG)

Leonardo (IT)

Deucalion (PT)

MareNostrum 5 (ES)

Daedalus (GR)

* Operational systems (petascale, pre-exascale)
** JUPITER, Daedalus and Arrhenius

Budget refers to acquisition costs only.
EuroHPC co-funds operating costs for
Pre-exascale/Exascale systems (50%) and
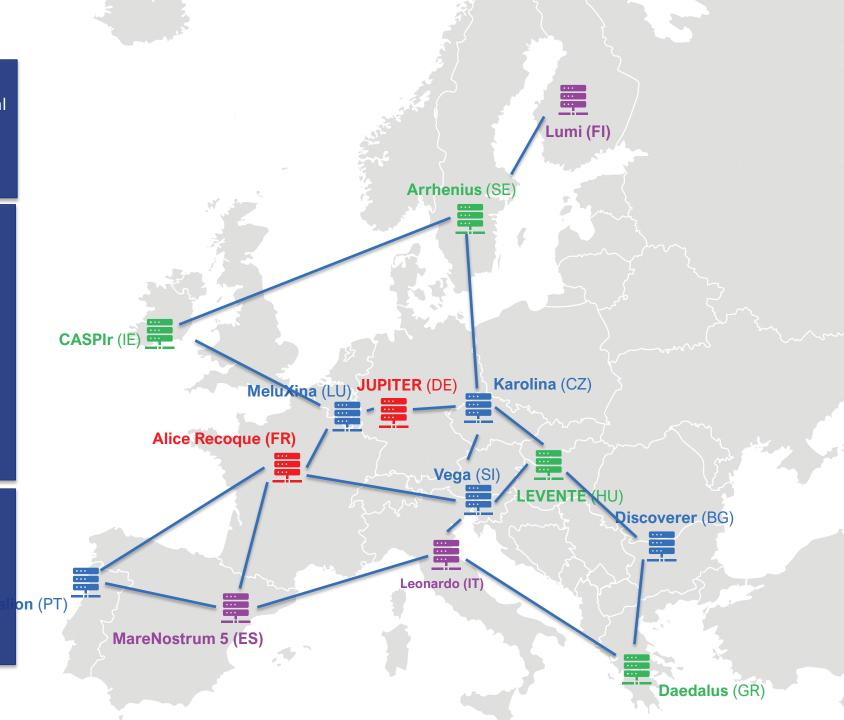Mid-range/Upgrades (35%).

Hyperconnected

Contract

- **GÉANT**, the Association of European National Research and Education Networks (NRENs)– Implementing partners
- Contract value: **€60 million**
- Duration: **48** months

Goals

- Build a secure, federated, and future-proof connectivity infrastructure for AI, HPC and Quantum systems across Europe.
- **222 Points Of Interest (PoIs)**
- Deliver terabit-per-second capacity with robust security, flexible, and future-proof services
- To benefit: research communities, SMEs, startups, public sector, industry, and innovation stakeholders

Timeline

- **2026** – High Level Design (HLD) and HyperConnectivity Service Area (HCSA) delivered; inclusion of Priority POIs 1&2
- **2026 –2029** – Progressive inclusion of PoIs
- **2029** – Fully hyperconnected ecosystem in operation

Lumi (FI)

Arrhenius (SE)

CASPIr (IE)

MeluXina (LU)

JUPITER (DE)

Karolina (CZ)

Alice Recoque (FR)

Vega (SI)

LEVENTE (HU)

Discoverer (BG)

Leonardo (IT)

Deucalion (PT)

MareNostrum 5 (ES)

Daedalus (GR)

Federated

Goals

A **single federated identity** across all AI and HPC machines for each user (eIDAS based, e.g. SME registry, EU Wallet etc.)

Uniform and **secure** access to all federated machines

Provision of **multitenancy in secure environment**

Interactive web-based usage

Advanced features for **workflows and interactive graphical AI usage** interface (e.g. Kubernetes)

Data transfer methods such as S3 and similar to and from external and internal data clouds, data lakes and data spaces.

Unified AI and HPC software across all federated machines

Smart scheduling capabilities to optimize compute usage and increase the level of abstractions for the provided compute capacity

Connection to HPC in Europe portal that serves as EU training coordination place

Contract

- A consortium led by **CSC – IT Center for Science**, with NORDUnet, University of Tartu, Ghent University, and VSB Technical University of Ostrava's IT4Innovations and GEANT.
- Expected duration: **5 years**
- **Total budget: 20.000.000,00 €**

Timeline

- Project start **January 2025** (Contract signed December 2024)

- **1st phase (2025-2026)** The development of a Minimum Viable (Federation) Platform (MVP) covering six key areas including federated AAI, resource allocations, and complex workflow manager including smart scheduler.
  - o **1st release**: Q1/2026 with integration to currently online EuroHPC HPC and AI systems
  - o **2nd release:** Q4/2026 additional EFP components and integration online HEs, AI factories and quantum systems + initial integration of Fenix, SIMPL and EOSC

Deucalion (PT)

MareNostrum 5 (ES)

Daedalus (GR)

EuroHPC Quantum Computers
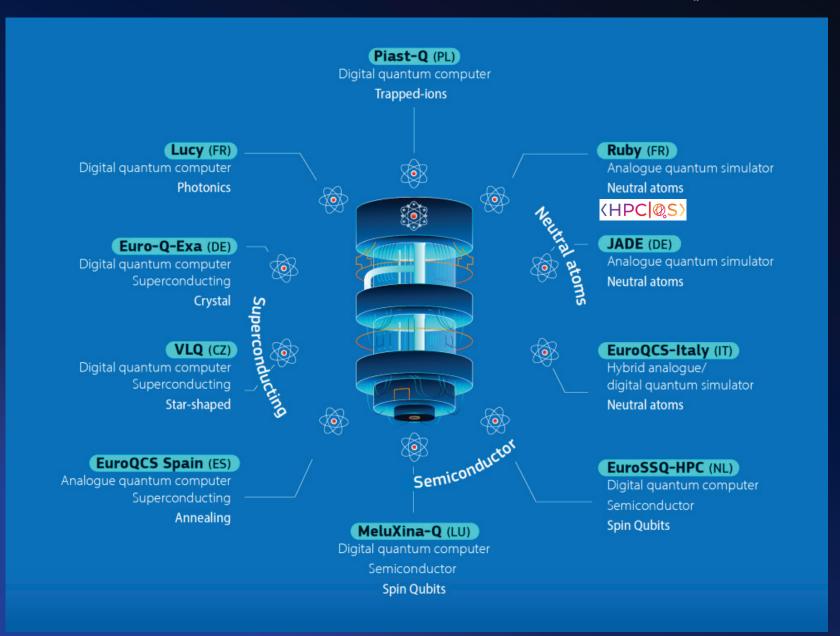
10 Quantum Computers procured
(2 Quantum Simulators as part of the HPCQS project)

2 systems recently inaugurated
- Piast-Q (PSNC, Poznan)
- VLQ (IT4I, Ostrava)

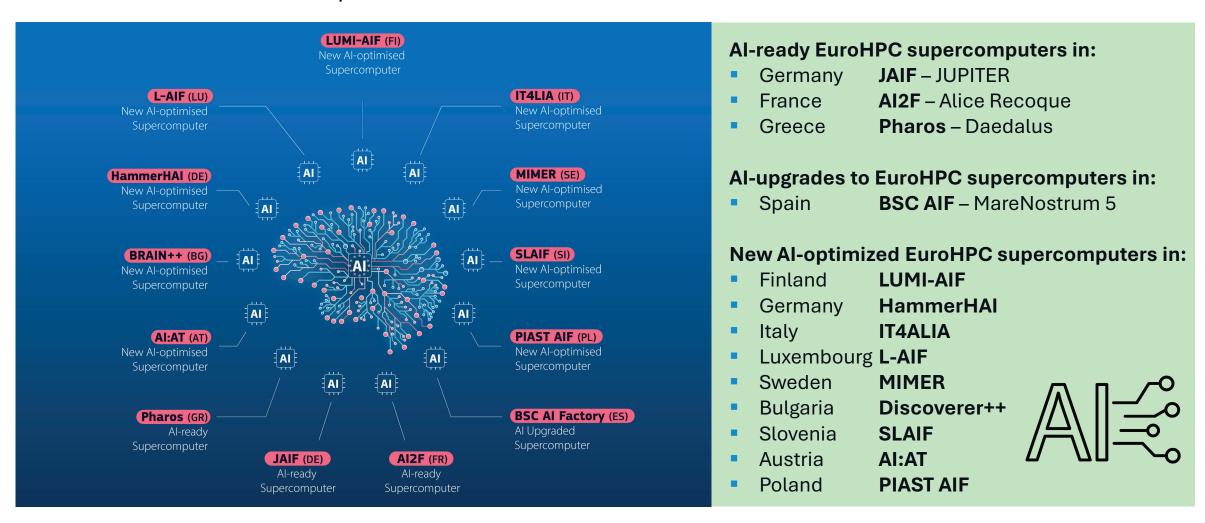Resources to be offer soon through the EuroHPC Access Calls!

At this point we should expect to say: "Mission Accomplished"…

but then…

… we were given a new mission

THE AI FACTORIES

EuroHPC JU selected 13 EU sites that will host the first AI Factories – to drive Europe's leadership in AI.
*Ecosystem to be further strengthened by additional AI Factories coming out from the **3rd cut-off of AIF CEI** and the **AIF Antennas** Horizon Europe call.*

AI-ready EuroHPC supercomputers in:
- Germany   **JAIF** – JUPITER
- France   **AI2F** – Alice Recoque
- Greece   **Pharos** – Daedalus

AI-upgrades to EuroHPC supercomputers in:
- Spain   **BSC AIF** – MareNostrum 5

New AI-optimized EuroHPC supercomputers in:
- Finland   **LUMI-AIF**
- Germany   **HammerHAI**
- Italy   **IT4ALIA**
- Luxembourg   **L-AIF**
- Sweden   **MIMER**
- Bulgaria   **Discoverer++**
- Slovenia   **SLAIF**
- Austria   **AI:AT**
- Poland   **PIAST AIF**

*AI Factories pull together EU and national resources, in a collaborative effort of **21 European countries***

AI Systems offered/planned

AIFs using existing systems
- **JAIF** (JUPITER)
- **AI2F** (Alice Recoque)
- **Pharos** (Daedalus)
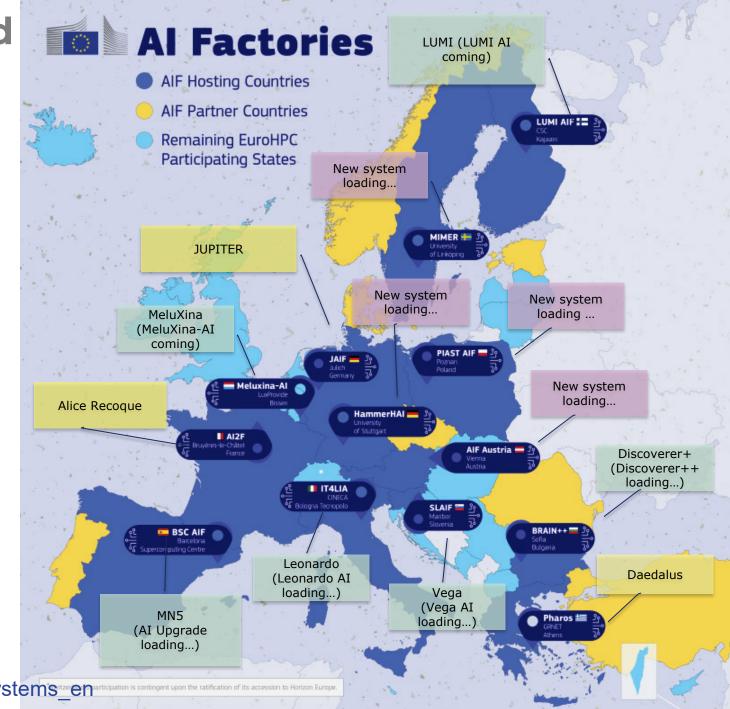
AIFs temporarily offering existing systems
- **BSC** (MN5… waiting for MN5 upgrade)
- **IT4LIA** (Leonardo/LISA… waiting for Leonardo-AI)
- **LUMI AIF** (LUMI.. waiting for LUMI-AI)
- **LuxProvide** (MeluXina… waiting for MeluXina-AI)
- **BRAIN++** (Discoverer+… waiting for Discoverer++)
- **SLAIF** (Vega… waiting for Vega-AI)

AIFs with upcoming new systems
- **HammerHAI** | HLRS, Stuttgart
- **PIAST AIF** | PSNC, Poznan
- **AI:AT Austria** | ACA, Vienna
- **MIMER** | LU, Linkoping

https://eurohpc-ju.europa.eu/ai-factories/ai-factories-systems_en

What to expect from the EuroHPC AI-optimised supercomputers

- AI optimised GPU architectures: Emphasis on **FP32**, **FP16** and **FP8** performance
- Tightly integrated on node level – Memory coherency
  - NV Link, UALink, Infinity Fabric
- **Revised benchmarks**
  - HPL and Top500 not the driving metric.
- Dense interconnect on the partition level
  - At least one link per GPU
  - Software friendly
  - Traditional Infiniband but also Ethernet (e.g. Ultra Fast Ethernet)

- Richer software/middleware stacks
  - Slurm is not the king
  - Kubernetes, containers, virtualisation and relevant workflow and resource management tools
- **MLOPs**
  - Support for the complete AI training/inference lifecycle: Preparation, fine tuning, augmentation, model catalogues.
- **Multitenancy** and advanced security.
  - User isolation on compute, storage and network layer

! EuroHPC AI supercomputers will offer diverse architectures and design choices suited for the specific goals of the various AI Factories

Think bigger… think giga…

AI Gigafactories under the EuroHPC JU

- Large-scale facilities designed to **develop, train, and deploy the next generation most complex AI models at an unprecedented scale** (e.g., tens of trillions of parameters).

- Essential for Europe to be able to **compete on the global level** and ensure its **strategic** autonomy in scientifically critical **industrial sectors**.

- Building on the concept of AI Factories, taking it to the next level by **integrating** coherently beyond 100 000 advanced AI processors.

- Focus on **power capacity** of the networks, **energy-efficiency**, and AI-driven automation.

- **Federated** with the **EuroHPC network of AI Factories** and **sovereign cloud**.

- Need for **public-private partnerships** given the magnitude of the required investments.

Loading...

Revised EuroHPC JU regulation mandating the JUs role, budget and expected outcome of the Gigafactories program

THANK YOU

EuroHPC JU and supercomputing access

Procuring world-class:
- Supercomputers
- AI Factories
- Quantum computers

Providing access via different access modes

Implementing peer-review process per access mode

EuroHPC
Joint Undertaking

EuroHPC
Joint Undertaking

Access modes

TRADITIONAL HPC

PREPARATORY ACTIVITIES

BENCHMARK ACCESS

DEVELOPMENT ACCESS

PRODUCTION ACTIVITIES

EXTREME SCALE ACCESS

REGULAR ACCESS

ARTIFICIAL INTELLIGENCE

SCIENCE

AI FOR SCIENCE & COLLABORATIVE EU PROJECTS ACCESS

INDUSTRIAL INNOVATION

LARGE SCALE ACCESS

PLAYGROUND ACCESS

FAST LANE ACCESS

TRADITIONAL HPC

PREPARATORY ACTIVITIES
- **BENCHMARK ACCESS**
- **DEVELOPMENT ACCESS**

PRODUCTION ACTIVITIES
- **EXTREME SCALE ACCESS**
- **REGULAR ACCESS**

EuroHPC Joint Undertaking

For code and scalability tests
Access duration 2-3 months
Fixed allocation between 200 and 2.500 node hours
Allocation process duration – 2 weeks after the cut-off date

For code and algorithm development and optimization
Access duration 6-12 months
Fixed allocation between 800 and 4.500 node hours
Allocation process duration – 2 weeks after the cut-off date

For high-impact, high-gain research applications requesting extremely large allocations
Access duration 12 months
Allocations between 100.000 and 3.000.000 node hours
Peer-Review process duration – 6 months after the cut-off date

For research applications requesting large allocations
Access duration 12 months
Allocations between 20.000 and 1.800.000 node hours
Peer-Review process duration – 4 months after the cut-off date

Access based on technical feasibility

Access based on technical feasibility and evaluation criteria

TRADITIONAL HPC

PREPARATORY ACTIVITIES

BENCHMARK ACCESS

DEVELOPMENT ACCESS

PRODUCTION ACTIVITIES

EXTREME SCALE ACCESS

REGULAR ACCESS

EVALUATION CRITERIA
EXTREME SCALE & REGULAR ACCESS

CRITERIA:
- **EXCELLENCE**
- **INNOVATION & IMPACT**
- **QUALITY & EFFICIENCY OF THE IMPLEMENTATION**

SCIENTIFIC EXPERTS

Access Resource Committee
&
Scientific Reviewers

TECHNICAL EXPERTS

UPCOMING CUT-OFF DATES

- **BENCHMARK & DEVELOPMENT ACCESS – continuously open with monthly cut-off dates**
- **EXTREME SCALE ACCESS – 27 October 2025**
- **REGULAR ACCESS – TBD – March 2026**

EVALUATION CRITERIA
AI FOR SCIENCE & LARGE SCALE ACCESS

EuroHPC
Joint Undertaking

CRITERIA – AI FOR SCIENCE:
- **EXCELLENCE**
- **INNOVATION & IMPACT**
- **QUALITY & EFFICIENCY OF THE IMPLEMENTATION**

CRITERIA – LARGE SCALE:
- **INNOVATION**
- **IMPACT**

AI EXPERTS

TECHNICAL EXPERTS

INDUSTRY INNOVATION GROUP

UPCOMING CUT-OFF DATES

- **PLAYGROUND & FAST LANE ACCESS** – continuously open, no cut-off dates
- **LARGE SCALE ACCESS** – 15 October 2025
- **AI FOR SCIENCE ACCESS** – 24 October 2025

ARTIFICIAL INTELLIGENCE

SCIENCE

AI FOR SCIENCE & COLLABORATIVE EU PROJECTS ACCESS

INDUSTRIAL INNOVATION

LARGE SCALE ACCESS

PLAYGROUND ACCESS

FAST LANE ACCESS

SUPPORT SERVICES

COMMUNICATION

WEBSITE UPDATES

HOMOGENEOUS USAGE

ARC FEEDBACK

ELIGIBILITY

FINAL REPORT

REMOVE INSTRUCTIONS

CODE TESTING

ADVICE FROM THE PEER-REVIEW OFFICE
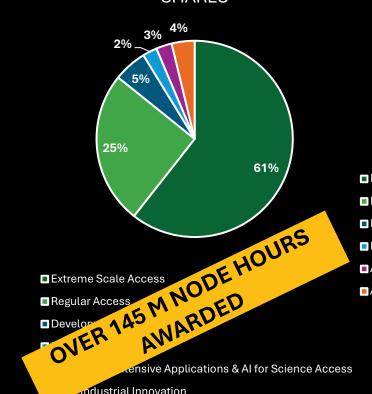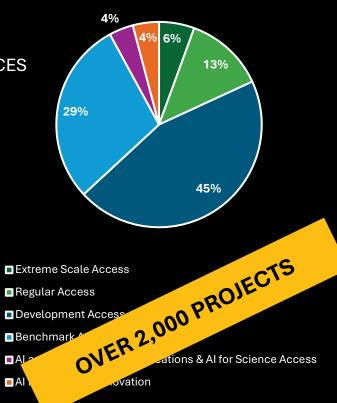
STATISTICS

ALL ACCESS MODES - AWARDED PROPOSALS SHARES

- 4%
- 4%
- 6%
- 13%
- 29%
- 45%

ALL ACCESS MODES - AWARDED RESOURCES SHARES

- 2%
- 3%
- 4%
- 5%
- 25%
- 61%

Legend:
- Extreme Scale Access
- Regular Access
- Development Access
- Benchmark Access
- AI and Data-Intensive Applications & AI for Science Access
- AI for Industrial Innovation

OVER 145 M NODE HOURS AWARDED

OVER 2,000 PROJECTS

AWARDED PROPOSALS AND RESOURCES PER ACCESS MODE		
ACCESS MODE	PROPOSALS AWARDED	NODE HOURS AWARDED
EXTREME SCALE ACCESS (Dec 2022-Apr 2025)	130	87,978,597
REGULAR ACCESS (Dec 2021-Mar 2025)	293	36,530,037
DEVELOPMENT ACCESS (Jan 2022-Sep 2025)	1,050	7,951,567
BENCHMARK ACCESS (Jan 2022-Sep 2025)	676	3,459,667
AI and Data-Intensive Applications Access (Apr 2024-Apr 2025)	79	3,266,600
AI for Science and Collaborative EU Projects Access (June 2025)	10	496,000
Playground Access (April 2025-Sep 2025)	48	49,375
Fast Lane Access (April 2025-Sep 2025)	28	195,678
Large Scale Access (April 2025-Sep 2025)	20	5,234,375
TOTAL	**2,334**	**145,161,896**
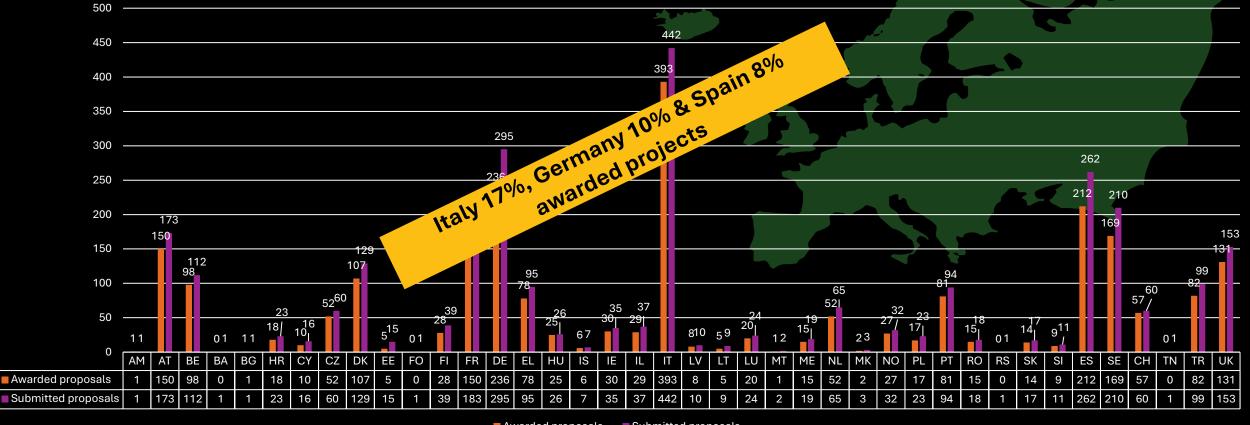
STATISTICS

ALL ACCESS MODES – Principal Investigator/Project Lead affiliation countries distribution - awarded vs submitted proposals numbers

Italy 17%, Germany 10% & Spain 8% awarded projects

	AM	AT	BE	BA	BG	HR	CY	CZ	DK	EE	FO	FI	FR	DE	EL	HU	IS	IE	IL	IT	LV	LT	LU	MT	ME	NL	MK	NO	PL	PT	RO	RS	SK	SI	ES	SE	CH	TN	TR	UK
Awarded proposals	1	150	98	0	1	18	10	52	107	5	0	28	150	236	78	25	6	30	29	393	8	5	20	1	15	52	2	27	17	81	15	0	14	9	212	169	57	0	82	131
Submitted proposals	1	173	112	1	1	23	16	60	129	15	1	39	183	295	95	26	7	35	37	442	10	9	24	2	19	65	3	32	23	94	18	1	17	11	262	210	60	1	99	153

■ Awarded proposals ■ Submitted proposals

THANK YOU!

EuroHPC
Joint Undertaking

To the colleagues in the JU

To the members of the Peer-Review sector

To our Access Resource Committee

To our Hosting Entities

To our projects

To our users
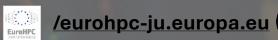
To our evaluators

For more information, feel free to visit our website and social media or contact us at:

✉ access@eurohpc-ju.europa.eu
aif.access@eurohpc-ju.europa.eu

/eurohpc-ju.europa.eu 𝕏 /EuroHPC_JU

in /eurohpc-ju ▶ /eurohpc-ju
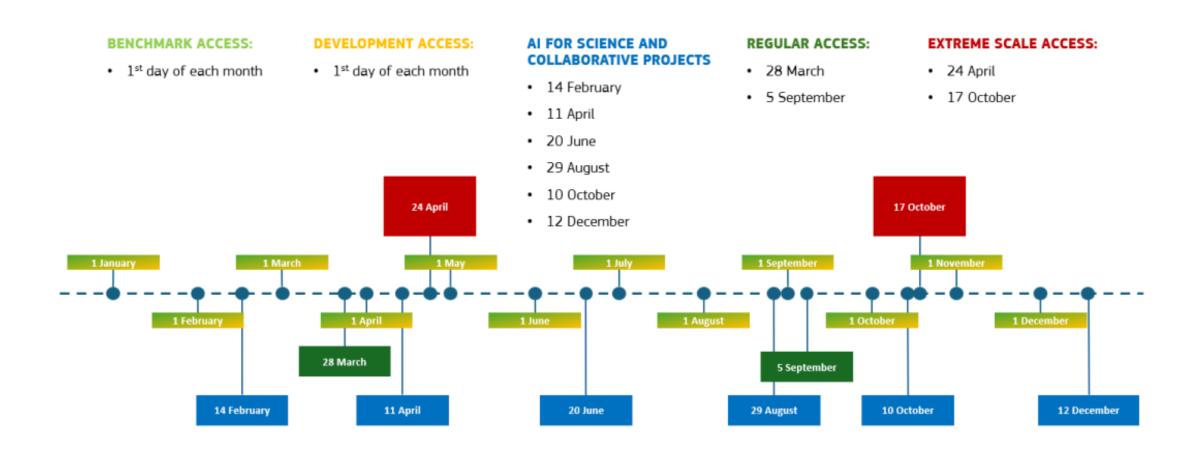
resource allocation

A single panel across all domains – one-year **focused** applications

Raises the bar for all domains

Quality of applications has improved – frequency of calls

Very expensive in terms of human resources (thank you !)

BENCHMARK ACCESS:
- 1st day of each month

DEVELOPMENT ACCESS:
- 1st day of each month

AI FOR SCIENCE AND COLLABORATIVE PROJECTS
- 14 February
- 11 April
- 20 June
- 29 August
- 10 October
- 12 December

REGULAR ACCESS:
- 28 March
- 5 September

EXTREME SCALE ACCESS:
- 24 April
- 17 October

24 April

17 October

1 January | 1 March | 1 May | 1 July | 1 September | 1 November

1 February | 1 April | 1 June | 1 August | 1 October | 1 December

28 March

5 September

14 February | 11 April | 20 June | 29 August | 10 October | 12 December

peer review is hard! (but the best)

- a good proposal needs to have

... solid motivations (beyond state-of-the-art?)

... ambitious goals (why do you need Extreme Scale? Regular call?)

... performant software (are you ready for Extreme Scale? support?)

... requests that are **justified** by scientific milestones

- all of this needs to be **in the application!**
- ... needs to be **clearly stated** for external reviewers
- ... and for a majority of panel members

evaluation

- we try to give clear guidance on the criteria
- please follow the instructions...
- benchmark using production code on the required system
- we revise our criteria as the field evolves
- we try to communicate any changes quickly...
- send us feedback – we do take it into account

resource allocation

- resource allocation is the management of insufficient resources
  - what could you do with half of the requested time?
- I would love to allocate **all** proposed projects

resource allocation

- resource allocation is the management of insufficient resources
  - what could you do with half of the requested time?
- I would love to allocate **all** proposed projects

- ... actually, **NO**, I would only allocate the good ones!
- there are **two** calls per year, this allows rejected projects to improve and resubmit quickly
- this is a great resource, projects do improve

closing remarks

try buying computer time?

cloud providers charge for 250k node-hr… M€

EuroHPC is a fantastic research infrastructure

we want to make the best use of it – broad portfolio of high-impact performant softwares

help the ARC: keep submitting strong proposals

make sure fundamental research remains a core priority!

EuroHPC should invest in creating a stronger interface with industry

huge thanks to my partners in crime!

- Evangelos Floris
- Klara Mestrovic
- Veneta Boneva
- Laura Martinez Calvo
- Annika Kossack

- Theo Brandmeyer
- Dobromir Vasilev
- Catarina Guerreiro
- Dora Marton

MINERVA is a distributed, European-wide HPC-enabled AI application support service

It brings together expertise from EuroHPC Hosting Entities and partners representing major European stakeholders in AI.

MINERVA acts as a central hub for cutting-edge European competences in large-scale ML/AI research and development.

It started in January 2025, and the project's duration is 36 months.

What MINERVA Aims To Achieve

What we do

- Offer a rich service portfolio covering several levels and types of support.
- Interact with AI communities to identify needs and update the MINERVA service portfolio.
- Increase competences of AI communities on AI n HPC.
- Ensure models are developed according to ethical and responsible AI regulations.

How we do it

- **Support:** Operating an EU-wide support centre.
- **Knowledge transfer**: Publishing best practice guides and guidelines.
- **Benchmarking**: Evaluating model performance on supercomputers.
- **Data Access**: Providing information on access to public datasets.
- **Training Programs**: Providing "AI on HPC" training program.
- **Community Hub**: Supporting large-scale open-source ML/AI research and development on HPC.

To deliver support that is both structured and flexible, MINERVA recognises that users may need help on different topics and in different ways. We organise our services along those two key principles:

Service Levels (L1–L5)
These define the thematic areas where support is offered, reflecting the kinds of challenges AI users typically face, from porting workflows to HPC (L1), scaling models and workflows (L2), to pre-training (L3) and fine-tuning foundation models (L4), as well as complying with ethical and regulatory requirements (L5).

Support Types (T1–T4)
These describe how the support is delivered – from quick technical help (T1) to long-term engineering collaborations (T4).

📌 *Unlike the Levels, these Support Types are an internal coordination tool to help allocate resources and tailor support formats to user needs.*

This structure allows MINERVA to respond effectively to diverse user needs while making the best use of partner expertise and ensuring high-quality support for the European AI community.

L1
Porting AI Applications & Workflows to HPC

L2
Optimization & Scaling of AI Libraries on HPC

L3
Pre-training of Large-Scale Foundation Models

L4
Specialization & Fine-Tuning of Foundation Models

L5
Ethical & Responsible AI Support

One point of entry
support@minerva4ai.eu

SERVICES

Support Type	Goal	Scope	Time to resolution	Delivery	Trigger
T1 – Assistance	Quick resolution of specific issues	Debugging, configuration, usage questions	Few days	🖥️ Remote only	Ticketing system
T2 – Consulting	Strategic guidance for planning and theoretical questions	Proposals, regulation, architecture, resources	Up to 2 weeks	🖥️ Remote / 🏢 On-site optional	Ticketing system Scheduled request
T3 – Workshop	Accelerate workflows through hands-on engineering support	Profiling, performance tuning, scaling	Up to 2 months	🖥️ Remote / 🏢 On-site optional	Ticketing system Evaluation-based selection & Partner availability
T4 – Embedded Support	Long-term collaboration on advanced AI projects	Scaling, fine-tuning, large model training, data handling	Up to 6 months	🖥️ Remote (with meetups recommended)	Ticketing system Evaluation-based selection & Partner availability

SERVICES & MORE

L1
Porting AI Applications & Workflows to HPC

L2
Optimization & Scaling of AI Libraries on HPC

L3
Pre-training of Large-Scale Foundation Models

L4
Specialization & Fine-Tuning of Foundation Models

L5
Ethical & Responsible AI Support

Specialised/Advanced trainings for the AI communities
ICIAP – EurIPS

Catalogues of models and datasets

Best Practice Guides on AI on HPC

Benchmarks reports

Who can access MINERVA support

MINERVA services are open to all actors in the European AI ecosystem – regardless of technical background or experience with HPC. If you're working with AI and face technical, scaling, or regulatory challenges, MINERVA is here to help.

We welcome requests from:

- **Academic researchers** (PhD students, postdocs, principal investigators)
- **Public sector teams** applying AI in areas like health, climate, education, or policy
- **Start-ups and SMEs*** developing AI-driven products or services
- **Larger companies*** with advanced or specialized AI use cases
- **AI engineers and developers** aiming to scale models or optimize performance
- **Project consortia** preparing proposals for national or European funding calls

📌 *No HPC access? We can guide you through the process of applying for resources, choosing the right infrastructure, and getting started with your first project.*

* subject to state-aid regulations

Get Involved!

- Visit the MINERVA website *https://minerva4ai.eu*

- Follow our news on LinkedIn
  https://www.linkedin.com/company/minerva-european-support-centre-for-scalable-ai-research-and-deployment

- Participate in our user needs survey!

- Submit your support request via the AISC portal [*support@minerva4ai.eu*].

MINERVA European Support Centre for Scalable AI Research and Deployment

Reach out to me @ *l.morselli@cineca.it*

Thank you

Supporting the competitiveness and innovation potential of SMEs: Fortissimo Plus (FFplus)

EuroHPC User Days 2025
Copenhagen

Guy Lonsdale, scapos AG

1 October 2025

www.ffplus-project.eu

Overview

- Intro to the Fortissimo Approach & the FFplus project
  - HPC for Business Innovation, Fortissimo Success Stories
- The FFplus open calls for Business Experiments and Innovation Studies
- Call Stats & Call News

Fortissimo & Fortissimo-2

Fortissimo – 2013-2016

- Business relevant investigations and demonstrations of simulation services in the Fortissimo HPC Cloud creating future business benefits for manufacturing SMEs

Fortissimo 2 – 2015-2018

- Demonstrating the business potential of an ecosystem for HPC-Cloud services, specifically for applications involving simulation of coupled physical processes or high-performance data analytics.

Political context

- All major economies world-wide are investing in large supercomputers on the road to Exascale
- EuroHPC is a major commitment by the European Union
- Business Case is for **Science and Industry**
- European citizens expect their taxes to be spent wisely for the good of everyone
- We must ensure our Universities **and** our Companies can access and benefit from investment in supercomputing

The Fortissimo Approach

- Execution of „experiments" with SMEs, delivering real business impact through use of HPC

- The bulk of project funding is used for these experiments and the highest quality, innovative SME-oriented experiments are acquired through the execution of **open calls for proposals**

https://www.ff4eurohpc.eu/en/success-stories/
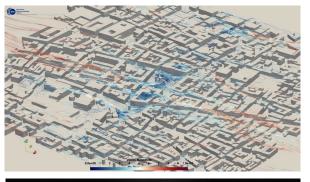
FF, FF-2, FF4EuroHPC:
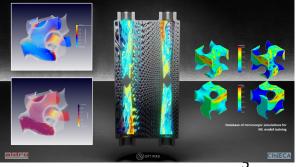
121 success stories were produced in collaboration with **310 partners** from **more than 20 European countries**.

Examples of business benefits

Multi-Head Additive Manufacturing with Optimal HPC Thermal Stabilization
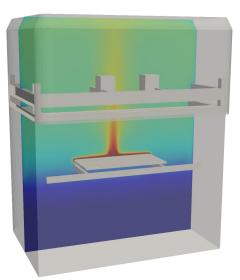
The vision of this experiment was to establish and predict the impact of this heat on the structure and motion system of the machine using HPC infrastructure.
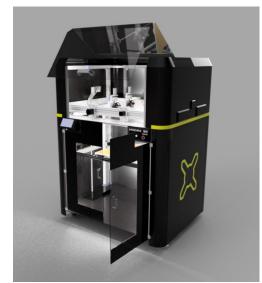
Business Benefits

- Shortening of product delivery time to the customer **by 30-50%**.
- Cutting costs in production **by 15-30%**.
- Greater accuracy of 3D printers is expected to increase sales **by 20-30%**.
- **Creation of jobs for new, highly skilled employees**

End User: Mikrotvornica
HPC Center: Ruđer Bošković Institute

Examples of business benefits

Improvement of Productivity in Aquaculture

The experiment used HPC and AI to help aquaculture farms better manage volatility and boost productivity. By analysing data on fish behaviour, health, and growth, it enabled smarter decisions, reduced losses, and supported more stable and scalable operations.
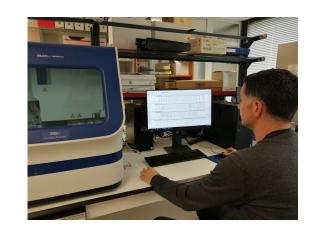
Business Benefits
- **30% reduction** in predictive model error through HPC
- **Shortening time to production** in new user facilities or new procedures by 50%
- **Business know-how** for data-driven decisions for aquaculture farmers
- **7% improvement in fish growth** for the end user
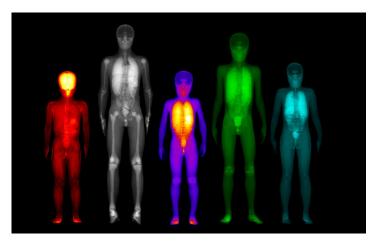
End Users: Nueva Pescanova- Insuiña and Geneaqua
Technology provider: DEICOM
HPC provider: CESGA
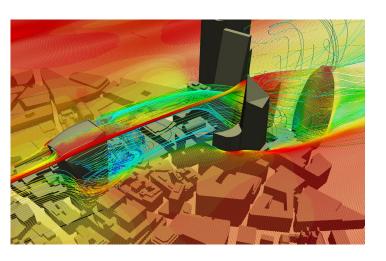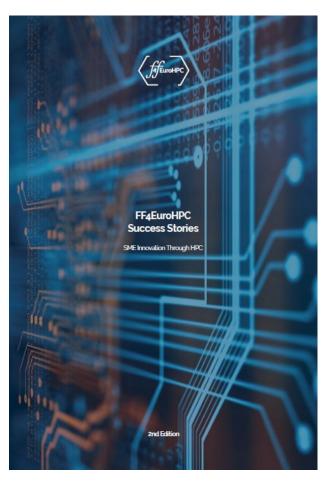
Success Stories

GET INSPIRED!

- Website presentation

- Videos

- Success Stories Booklets

FFplus Consortium & Project Data

- Fortissimo Plus

- Funded by the EuroHPC JU action DIGITAL-EUROHPC-JU-2023-SME-01 "Supporting the competitiveness and innovation potential of SMEs".

- Commenced 1.5.2024; 48 months duration

- Coordinator

H L R S
High-Performance Computing Center Stuttgart

- Other Partners:

FFplus Objectives

Empower SMEs and Start-Ups with advanced computational capabilities based on HPC, enabling them to **drive innovation**, enhance competitiveness, and overcome challenges in the digitalisation of R&D and business processes.

FFplus will **execute 6 open calls** (3 for business experiments, 3 for innovation studies) **with a funding budget of over 24 M€.**

Solve your business challenges and shift to the next level with the help of HPC!

Participate in the Open Call for Business Experiments!

Business experiments

will address the uptake of HPC by SMEs new to using HPC to solve specific business challenges

Enhance your innovation potential by leveraging HPC-enabled Generative AI!

Participate in the Open Call for Innovation Studies!

Innovation studies

will support European SMEs and Start-ups already active in the field of generative AI technology, which lack the necessary computational resources to scale up.

HPC Computing Resources
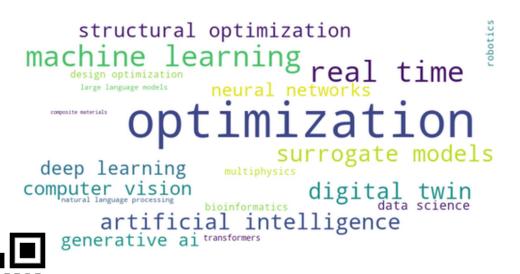
- There is an expectation that FFplus sub-projects make use of the HPC resources provided under the EuroHPC JU access schemes (use of nationally provisioned HPC resources is considered equivalent).

- FFplus cannot provide computing resources itself, nor does it have any special allocation of time on the EuroHPC JU systems.

EUROHPC JU
ACCESS OPPORTUNITIES

KLARA MESTROVIC, Peer-Review Sector
17 June 2024
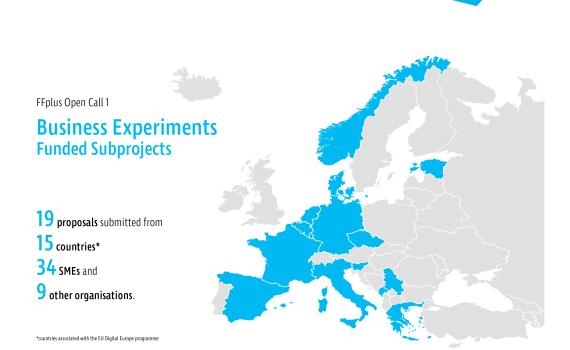
OPEN CALL-1 STATS – Business Experiments:

126 proposals from 30 countries, involving 183 SMEs and 40 other organizations.

19 business experiments are funded, including participants **from 15 EU countries.**

FFplus Open Call 1

Business Experiments
Funded Subprojects

19 proposals submitted from
15 countries*
34 SMEs and
9 other organisations.

*countries associated with the EU Digital Europe programme
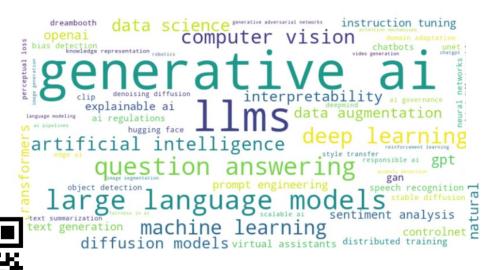
Belgium, Czechia, Denmark, Estonia, France, Greece, Germany, Italy, Luxembourg, Montenegro, the Netherlands, Norway, Serbia, Spain and Slovenia
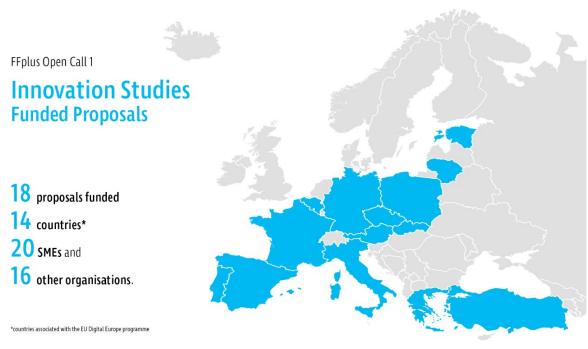
OPEN CALL-1 STATS – Innovation Studies:
Country Statistics

The Innovation Studies Call attracted **62 proposals from 24 countries**, involving 83 SMEs and 36 other organizations.

18 innovation studies are funded, including participants from 14 European countries.

FFplus Open Call 1

Innovation Studies
Funded Proposals

18 proposals funded

14 countries*

20 SMEs and

16 other organisations.

*countries associated with the EU Digital Europe programme

Austria, Belgium, Czechia, Estonia, France, Greece, Germany, Italy, Lithuania, Poland, Portugal, Spain, Slovakia and Turkey.

Open Call News

"Spoiler" (Website news and detailed stats to follow):

2nd Call for Business Experiments – 350 submissions (!), Evaluation ongoing, expect news on proposals selected early in 2026.

Main Participant SMEs from 34 countries.

2nd Call for Innovation Studies:

- Deadline: February 25th, 2026 at 17:00 Brussels local time.

- Expected duration of innovation studies: 10 months, with targeted commencement July 1st, 2026.

- Indicative total funding budget = € 4M.

FFplus_Call-2-Type-2

Second call for innovation studies for the development of generative AI models

- Deadline: February 25th, 2026 at 17:00 Brussels local time

- Expected duration of innovation studies: 10 months, with targeted commencement July 1st, 2026

- The indicative total funding budget for all innovation studies funded under this call is € 4M.

CASTIEL 2

Coordination and Support for National Competence Centres and Centres of Excellence on a European Level Phase 2

Natalie Lewandowski, HLRS

EuroHPC User Days Copenhagen 30.09.2025

CASTIEL 2: the NCC and CoE network

Mission:
Support and connect the NCCs & CoEs

- EuroCC 2 and EuroCC4SEE comprise 33 National Competence Centres in HPC in Europe
- 14 Centres of Excellence in HPC Applications

What services do the NCCs offer?

- Support users in their respective country in
  - ✓ High-Performance Computing (HPC)
  - ✓ High-Performance Data Analytics (HPDA)
  - ✓ Artificial Intelligence (AI)*

- Provide services to users from **industry,** academia and public administration

- Single points of contact for HPC and associated technologies

EuroCC 2: gold
EuroCC4SEE: light gold

Services for Users
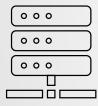
Training and Expertise
- Hands-on training courses and workshops
- Access to expert knowledge in HPC, HPDA, and AI*

Access to services
- National and European-level capabilities
- Tailored support in HPC and related technologies

Access to technology
- Supported access to supercomputers
- Guidance and hands-on help with proposals

FORTISSIMO
PLUS

ffplus-project.eu

HPC+ for everyone
- Services for all levels: beginners to experts
- For users in industry, academia, and public administration

new FF+ call opens December 2025 – February 2026

Advantages

HPC for your use case

- One-stop shop
- Local and accessible
- Connected throughout Europe
- Free of charge

Where to find us?

hpc-portal.eu

HPC in Europe Portal

THE PORTAL FOR HIGH-PERFORMANCE COMPUTING IN EUROPE

The mission of the HPC in Europe Portal is to function as the central access point for information concerning EU-funded High-Performance Computing (HPC) stakeholders, thereby significantly enhancing the visibility and accessibility of these projects. This objective is achieved by consolidating disparate resources into a unified platform, thus simplifying access to essential information for all relevant stakeholders across the HPC ecosystem. The portal aims to serve not only as a platform for seamless navigation but also as an innovative tool for promoting collaboration, facilitating knowledge exchange, and highlighting the accomplishments of EU-funded HPC initiatives. Initially, the platform will present content from and pertaining to the National Competence Centres (NCCs) and the Centres of Excellence (CoEs). In subsequent phases, additional projects and entities from the EU-funded HPC ecosystem will be invited to join and contribute their pertinent information. The portal is designed for both potential and existing HPC+ users, as well as individuals from diverse sectors with an interest in high-performance computing. Various stakeholders from the HPC ecosystem, including funding agencies, industry representatives, universities, small and medium-sized enterprises, and public authorities, will be engaged in utilizing the platform and disseminating information. The necessity for the HPC in Europe Portal stems from the current fragmentation of information and websites within the European HPC sector. The portal aspires to surmount this fragmentation and establish a cohesive and readily accessible source of information, thereby contributing to more efficient navigation and fostering a better-connected and collaborative HPC community ecosystem.

NATIONAL COMPETENCE CENTRES   CENTRES OF EXCELLENCE   PROJECTS
EVENTS   TRAINING   SERVICES   MATERIALS   SUCCESS STORIES/USE CASES

The Portal for High-Performance Computing in Europe

- NCCs
- CoEs
- Information
- Competences
- Training courses
- Events
- Contents
- Documents as results of workshops
- Funding opportunities
- Videos from events and workshops
- …

hpc-portal.eu

7

Training, News & Events

8

Codes & Competences
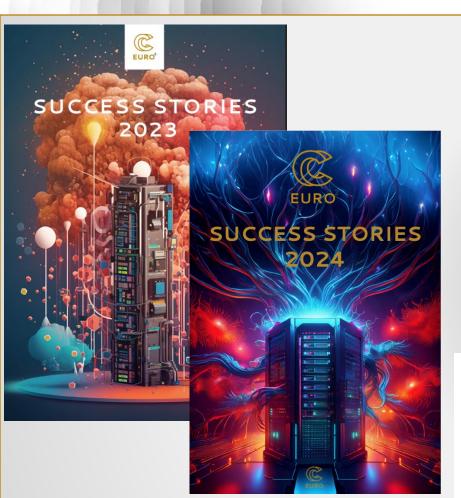
Success stories

TRANSFER AND OPTIMIZATION OF CFD CALCULATIONS WORKFLOW IN HPC ENVIRONMENT

Shark Aero company designs and manufactures ultralight sport aircrafts with two-seat tandem cockpit. For design development they use popular open-…

NAMED ENTITY RECOGNITION FOR ADDRESS EXTRACTION IN SPEECH-TO-TEXT TRANSCRIPTIONS USING SYNTHETIC DATA

DIGITALSMART AND DUNAVNET TO PROVIDE AI EDGE SOLUTION FOR POULTRY INDUSTRY,…

Organisations & Codes Involved: DigitalSmart is a coordinator of a new H2020 project: called AIMHiGH that is…

Predict the Damage
to infrastructures caused by storms and map more precisely the risks of claims for insurance

The French NCC: CC-FR, dedicated to HPC, HPDA and AI technologies, brings together the community of technology providers and users. CC-FR federates the HPC, HPDA and AI ecosystem and supports SMEs on the use of intensive computing, high-performance data analysis and artificial intelligence.

Low-latency AI-based Gesture Recognition

NCC-Bulgaria was founded by the Institute of Information and Communication Technologies at the Bulgarian Academy of Sciences, the Sofia University "St. Kliment Ohridski" and the University of National and World Economy.
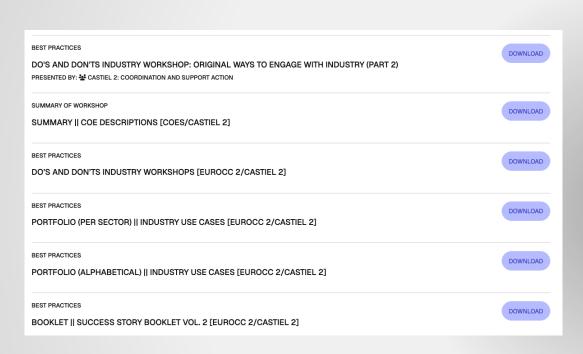
NCC-Bulgaria is focused on:
● Creating a roadmap for successful work in the field of high-performance computing, big data analysis and artificial intelligence.
● Analyzing the existing competencies and facilitating the use of HPC/HPDA/AI in Bulgaria.
● Raising awareness and promoting HPC/HPDA/AI use in companies and the public sector.
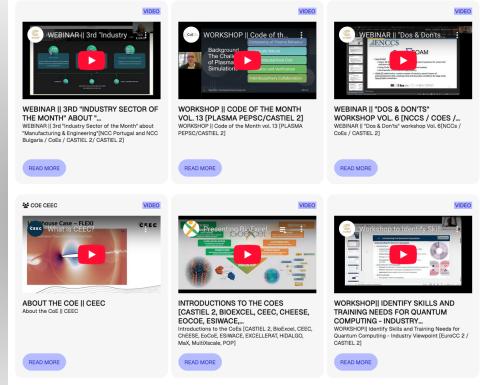
https://hpc-portal.eu/materials

Use cases, Videos, Tutorials, Best-Practice Guides

hpc-portal.eu

Get in touch with your NCC
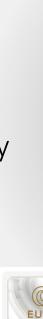
Ask them for support on:

- training
- access to the EuroHPC machines
- access to HPC knowledge & expertise
- utilising HPC in the best way possible
- …

hpc-portal.eu/nccs
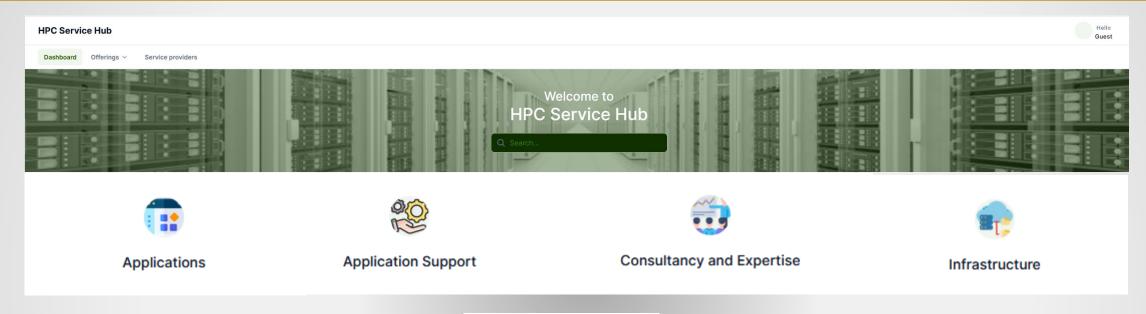
Find all the services: HPC Service Hub

hpcservicehub.eu

Supercomputing in Europe Podcast

Spotify: https://lnkd.in/ewiUzxUE
Apple podcasts: https://lnkd.in/enRtbWGa

and many more episodes

Thank you!

Dr. Natalie Lewandowski
Head, Business & Project Management

High-Performance Computing Center Stuttgart (HLRS)
Email: natalie.lewandowski@hlrs.de
Web: www.hlrs.de

2nd Level Support | Code Porting, Enabling and Scaling

Work limited to 1-2 months with focus in compilation improvements, vectorization and scalability analysis

3rd Level Support | Code Optimization

Handling large-scale workloads with durations of 2 to 6 months, focused on performance improvements that require code modifications, such as inter-node optimizations, GPU porting and scalability improvements

GPU Hackathon (Oct 2024, Bologna)

European HPC
Application support portal

Apply now   Knowledge base ⌄   Training   EuroHPC ⌄   About   🔍

European HPC Application support portal

This portal is an initiative funded by the EuroHPC Joint Undertaking (EuroHPC JU) and built by the EPICURE project. It provides comprehensive information about EuroHPC JU systems, including their architectures, access mechanisms, and available support services. As a dedicated EuroHPC JU service, EPICURE enables Level 2 and Level 3 support for EuroHPC-allocated projects.

Apply now for support →

Search for content →

About

The European High-Performance Computing Joint Undertaking (EuroHPC JU) is a significant European initiative aimed at enhancing Europe's digital infrastructure by supporting the development and deployment of cutting-edge supercomputing and data infrastructure. Established in 2018, EuroHPC JU is a collaboration between the European Union, European countries, and private stakeholders, with the goal of positioning Europe as a leader in the field of High-Performance Computing (HPC).

EPICURE offers a wide range of support services for all the EuroHPC users who apply for it: it is a EuroHPC JU funded project providing Level 2 and Level 3 support. This four-year project brings together the Application Support Teams (ASTs) of all the current and future Hosting Entities of the EuroHPC JU systems.

Learn more →

múúç ŞĬ Ş] Ŭ⁹⁴ ⁹İ úŞ₈ ĕĊŞ ₈ ç úŞ⁻ Ş
7ĕĊ₈ Κ~. Ş ĕ] úĊ̈₈ ⁴] ĕŬ́Ï Δ

Who's eligible?

Having a EuroHPC JU allocation project is **required**!

Don't have one yet? **We can even help** you to apply!

Ready to optimise?

Request support: You can request EPICURE support.

https://pm.epicure-hpc.eu/ -- http://eurohpcsupport.eu/

Do you **need a EuroHPC allocation?** Check the EuroHPC Access Calls!
https://www.eurohpc-ju.europa.eu/supercomputers/
supercomputers-access-calls_en

EPICURE
Unlocking European-level HPC Support

Follow us

Thank you!

✉ **pmo-epicure@postit.csc.fi**

³ ŬJ ¡ Ý Ŕú] ⁹Ë ě Ċú⁷³] Ë≠úěŔ
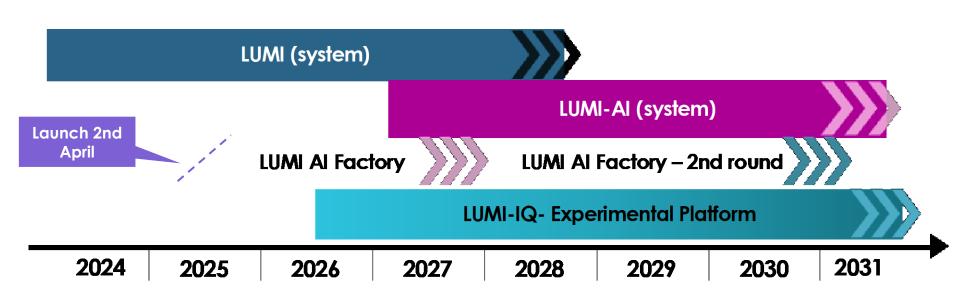
LUMI AI Factory

- Largest of the EuroHPC AI Factory investments (612 M€ total budget)
- The three pillars of LUMI AI Factory
  - AI-optimised supercomputer **LUMI-AI**
  - AI Factory **Service Center**
  - Experimental quantum-computing platform **LUMI-IQ**
- CSC (Finland) coordinates consortium with participation from Czechia, Denmark, Estonia, Norway and Poland
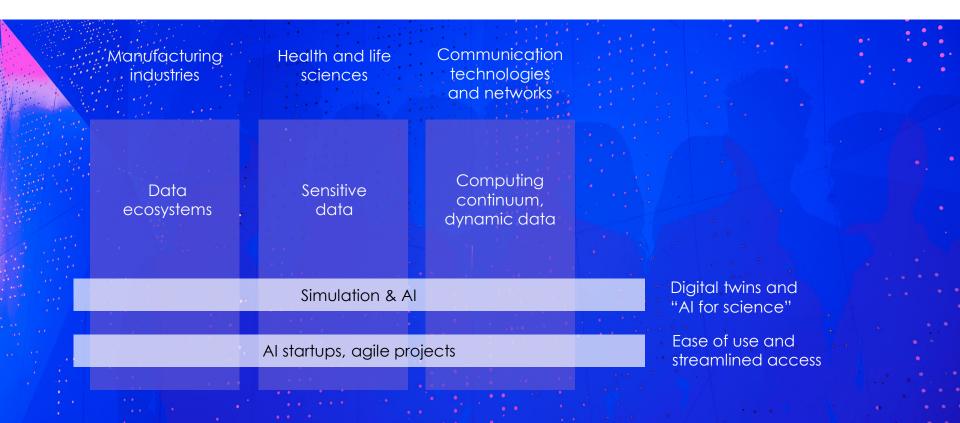
LUMI AI Factory timeline

Key industrial sectors and focus areas

LUMI AI Factory

Manufacturing industries

Health and life sciences

Communication technologies and networks

Data ecosystems

Sensitive data

Computing continuum, dynamic data

Simulation & AI

Digital twins and "AI for science"

AI startups, agile projects

Ease of use and streamlined access

Services: **COMPUTE**

L U M I AI Factory

Computing capacity
never seen before

- Globally **leading AI training with massive GPU capacity and fast & large data storage (shared & dedicated)**
- **AI model serving at scale for "every open model out there"**
- **Customisable environments** with virtual clusters to match every need
- API-based access and recipes for **automation and public cloud integration**
- **Quantum capacity** for next-level QC-AI

Expert support
all the way

- **Friendly human support** for getting started and all the way to deep AI methods and scalability
- Accelerated adoption with **self-service environment, thorough documentation and AI assistants**
- Supported **MLOps environment** and recipes

Services: **DATA**

Data access is the priority

- Make data manageable with **cloud-like data environment**
- **Datasets-as-a-Service:** previously unaccessible datasets made available
- Remove data access barries with **sensitive data services and access authorisation mechanisms**
- Direct connections to **data spaces and data repositories**

Data support that goes the extra mile

- **Data team for sourcing, negotiating and curating high-value datasets**
- Help with the necessities: data wrangling & data engineering
- Support **streaming data** into the supercomputer

Services: **TALENT**

Training the latest skills & technology

- **Co-create with AI centers**
- Provide **structured training paths** for AI and HPC
- **Tailor training** for different domains

Consultation with company focus

- Remove friction with **starter pack & feasibility analysis**
- Weave AI Factory into **existing networks and ecosystems**

Focus on AI adoption

- Offer **time-limited interventions** to step up AI adoption in companies' RDI
- **Long-term access** to the platform, support and training
- Support in applying for **large resources** & providing **fast lanes**
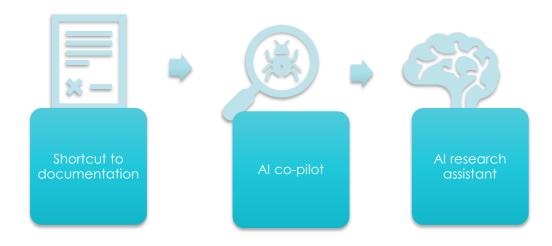
AI Factory Hub: engage the next-generation talent

- **Co-working hub** on grounds of Aalto University & ELLIS Institute
- Network of satellite hubs & virtual co-working space
- Running & supporting **hackathons, challenges and accelerators**

Lumia, Lumi's AI assistant
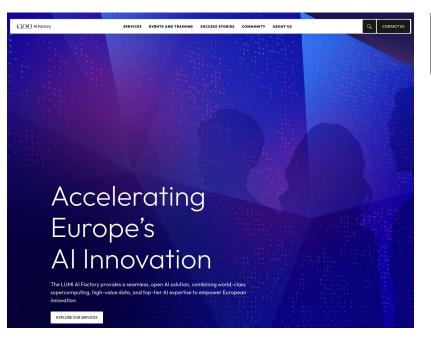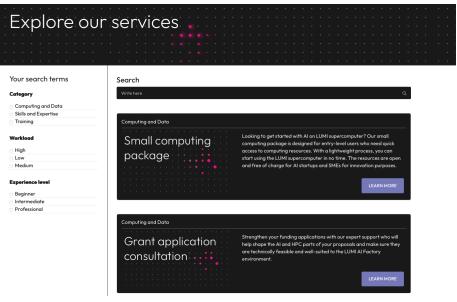
- An LLM-based AI assistant to help users in using a supercomputer system
- **Replacing and complementing** support received from traditional sources like **user documentation**, **helpdesk** and **expert consultation**, to increase researcher's productivity

Shortcut to documentation → AI co-pilot → AI research assistant

Go explore our service catalogue   lumi-ai-factory.eu

You can register for trainings and events, and access services for computing, data, consultation - and much more.

Bastian Koller, Coordinator of HammerHAI, koller@hlrs.de

The German AI Factory for Industry and Science, HammerHAI, supports start-ups, SMEs, industrial companies and scientific institutions with state-of-the-art AI solutions for technology, manufacturing and global challenges, thereby promoting innovation, economic growth and transformative progress throughout Europe.

Germanys first AI Factory with industrial focus
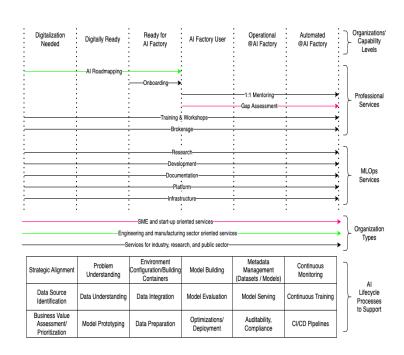
- Focus on start-ups, SMEs, industry, science and the public sector
  - Thematic focus: engineering, manufacturing, global challenges…

- Based on experiences of the partners
  - Currently more than 70 customers using systems for production
    - Porsche, Trumpf, Festo, …
  - ISO 27001 and TISAX Level 3 certification
  - Established ecosystem for industrial but also science enquiries
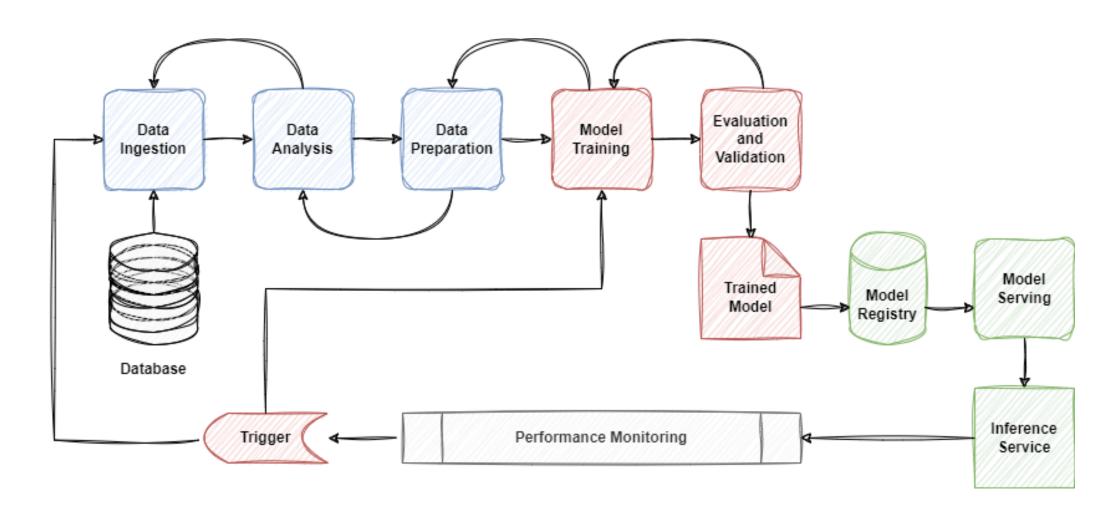
Focus

- Fine-tuning pre-trained models with initially moderate resource requirements, which will increase continuously in the following years.

- Querying an AI model in production (inference in production)

- Providing a secure environment for training and inference

- Supporting easy migration of existing (cloud) workloads to HammerHAI

- Executing containerised applications

- Easy access to data and computing resources
  - Tailored support for users, especially when onboarding companies
  - A software ecosystem and job submission similar to that in the cloud are essential

Support of the overall AI Lifecycle

Current status

HLR|S

- Services/Support:
  - In operation since April 2025
  - For the moment use of existing ressources of the partners

- HammerHAI – AI-Optimised Supercomputer:
  - Currently under procurement
  - Operational the latest Q2 2026

Thank you!

Bastian Koller, Coordinator
of HammerHAI

koller@hlrs.de
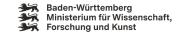
linkedin.com/company/hammerhai

hammerhai-eu.bsky.social

« **AI** **Factory** **France** a one stop-shop to foster the use of AI in science, industry and public services »

EuroHPC User Days 2025 | 30/09/2025
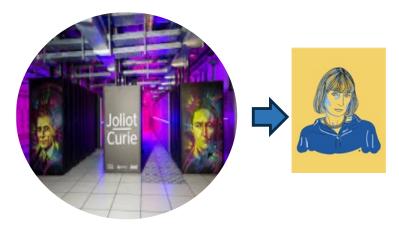
GENCI, A FRENCH HPC RESEARCH INFRASTRUCTURE

Serving yearly 2200 research projects in HPC and AI (academia, industry)

TGCC/CEA - Ile de France
- **Hosting Site** for the 2nd Exascale system (**EuroHPC**) called Alice Recoque end of 2026
- Hosting Site for the **1st hybrid HPC + Quantum computing infrastructure** (HQI, HPCQS, EuroQCS-France)

IDRIS/CNRS - Ile de France
- **1st 🇫🇷 converged HPC/AI system** (*#AIForHumanity*)
- Bring **sovereign** computing facilities / services to AI research community
- **> 3800 GPUs in 2025**

CINES/FU - Montpellier
- **> 90 PF** with AMD next gen GPUs (>1500) & CPUs (>100k)

>1400 AI projects in 2024
3 keys of success -> GPUs, **user support** and access modes

/2025

AI FACTORY FRANCE

In a nushell

PostGenAI@Paris DATAIA ANITI Hi!PARIS

SORBONNE UNIVERSITÉ université PARIS-SACLAY Université de Toulouse INSTITUT POLYTECHNIQUE DE PARIS

❑ **30,7M€, 3 yrs, 20 partners** from academia & innovation

ENACT PRAIRIE Sequoia Institut 3IA Côt d'Azur MIAI

GENCI Inria cnrs cea France Universités CiNES UNIVERSITÉ DE LORRAINE PSL UNIVERSITÉ PARIS Université de Rennes UNIVERSITÉ CÔTE D'AZUR UGA Université Grenoble Alpes

Université de Strasbourg

AMIAD STATION F La FRENCH TECH H UNIVERSITÉ DE REIMS CHAMPAGNE-ARDENNE

❑ With the following objectives as core values

- To provide to the AI community a **one-stop-shop of tailored AI services** through a distributed presence across **all the country and beyond**

- Support and promote **open-source EU foundational models** and intensify efforts in **domain-specific specialisation** for widening the use of AI in industry, science and public services

- Foster a **close collaboration between research and industry**, increasing tech transfer, develop public / private continuum of facilities/services, startup creation as well as to attract and retain skills with **new career paths**

- Invest **massively** in talent detection, education and permanent (re)training

- Serve **the full AI landscape**, GenAI but also ML, Agentic AI, symbolic and explainable AI

❑ More than 40 letters of support including

Scaleway edf OVHcloud

SAFRAN THALES MISTRAL AI_ AIRBUS HDH HEALTH DATA HUB TotalEnergies
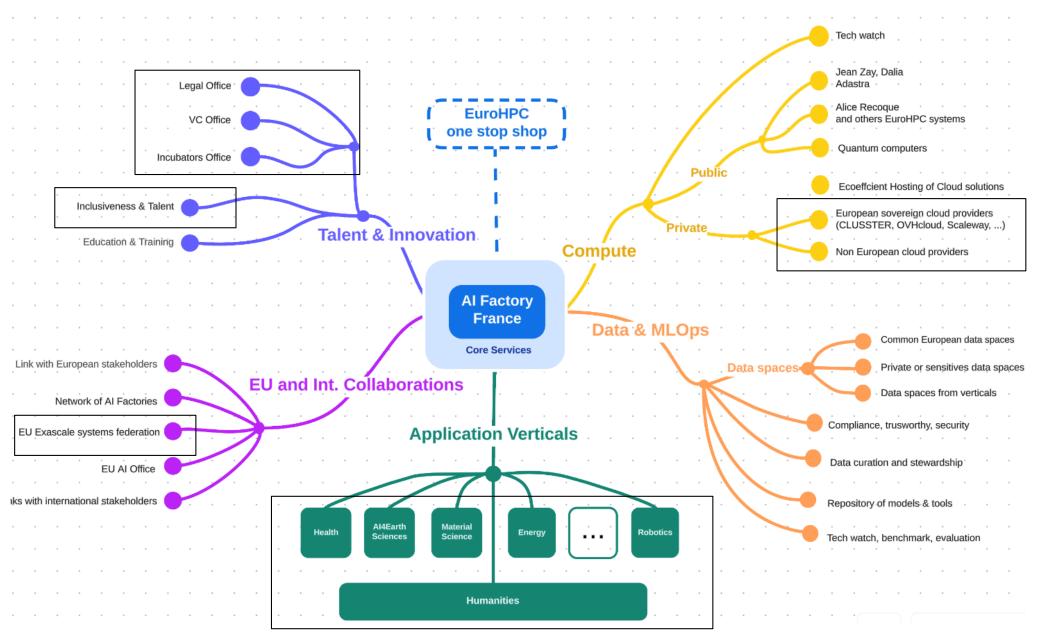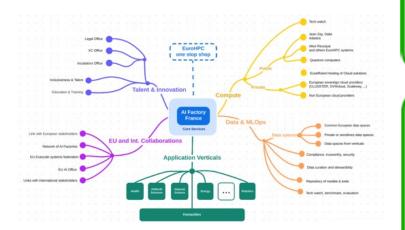
AI Factory France value proposal

AI Factory France — Core Services

Talent & Innovation
- Legal Office
- VC Office
- Incubators Office
- Inclusiveness & Talent
- Education & Training

EuroHPC one stop shop

Compute
Public
- Tech watch
- Jean Zay, Dalia Adastra
- Alice Recoque and others EuroHPC systems
- Quantum computers
- Ecoeffcient Hosting of Cloud solutions

Private
- European sovereign cloud providers (CLUSSTER, OVHcloud, Scaleway, ...)
- Non European cloud providers

Data & MLOps
Data spaces
- Common European data spaces
- Private or sensitives data spaces
- Data spaces from verticals
- Compliance, trusworthy, security
- Data curation and stewardship
- Repository of models & tools
- Tech watch, benchmark, evaluation

EU and Int. Collaborations
- Link with European stakeholders
- Network of AI Factories
- EU Exascale systems federation
- EU AI Office
- Links with international stakeholders

Application Verticals
- Health
- AI4Earth Sciences
- Material Science
- Energy
- ...
- Robotics

Humanities

13 Application verticals

Each vertical has several public/ private demonstrators

Robotics & Intelligent Systems

Focus
- Exploitation of sectoral data
- Human-motion generator for AI-powered robotics
- Frugal AI solutions

Outputs
- Human-motion generator solution
- Robotics specific training & hackathon

Health

Focus
- AI at the hospital
- Personalized medicine
- AI for genomics
- Radiology image analysis
- Neuroscience

Outputs
- Demonstrators for the 5 focus areas
- Health data sets with associated services

Earth Observation and Environmental sciences

Focus
- LLMs for data quality
- Pilots on climate, water, ocean, forest
- Digital Twin of the French Territory

Outputs
- High quality data sets
- Multi-domain interoperability and cross analysis
- Demonstrators

Material science

Focus
- AI models for atomic scale simulation
- Materials for sustainable industry
- Robust material science data spaces

Outputs
- AI models; data sets
- Machine-learning interatomic-potential demonstrator

Mobility

Focus
- Autonomous driving
- Monitoring mobility and analysis its impact
- Logistic

Outputs
- Demonstrators for each focused area
- Open data-sets and models

Defense

Focus
- Security of generative AI
- Transparency of GenAI models

Outputs
- Defense data sets
- Hackathon and trainings

Energy and Sustainable development

Focus
- Grid operation
- Predictive maintenance
- Reduction of CO_2
- Geoscience

Outputs
- Demonstrators for grid operation and maintenance
- Energy systems management platform
- Geoscience tools

Digital continuum

Focus
- Real-Time Cyber Physical System
- Large science instruments (telescope, LHC)

Outputs
- Pilot for Adaptative Optics
- Federation of expert pools
- SDK for AI powered RT-CPS

Aerospace

Focus
- Accelerate the design of future aerospace systems
- Decrease energy consumption of physical modeling and simulation

Outputs
- Novel AI-powered design tools for aerospace
- AI and simulation software/algorithms

Edtech

Focus
- Edtech solutions for Higher Education and Research

Outputs
- Co-construction space to design Edtech solutions

Sustainable agriculture

Focus
- Yield optimisation
- Food quality and safety
- Circular economy

Outputs
- Collaborative platform
- Pilots
- Dedicated models for agriculture

Finance

Focus
- Financial risk management
- Trustable AI in finance

Outputs
- Demonstrators for Financial risk management
- Trustable LLMs for finance

Humanities

Focus: LLMs ALT-EDIC collaboration; access to research data; Software heritage

Outputs: Development of European LLMs; tools for research data access; infrastructure for code heritage

EuroHPC User Forum

and Coordination Group

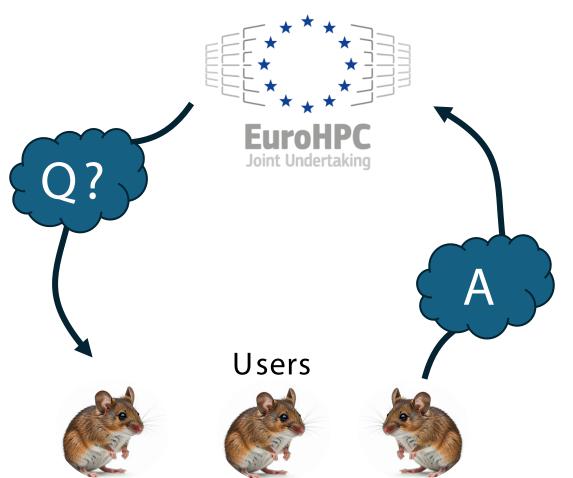Chris Richardson (cnr12@cam.ac.uk)
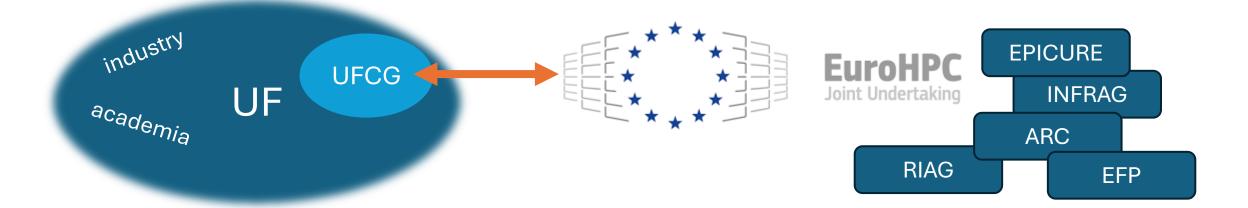
October 2025

Purpose

iceberg

EuroHPC User Forum- aims

- The aim of the User Forum is to foster structured, coherent, and regular **communication and exchange** with all user communities and stakeholders.
- The User Forum facilitates open consultation with user and scientific communities that also serves to highlight the EuroHPC vision.
- The User Forum has administrative support from the JU
- The JU has oversight of the Forum's activities and collates and communicates **feedback on user requirements** to the Advisory Groups of EuroHPC as necessary;

- See the EuroHPC MASP online!

EuroHPC User Forum & *Coordination Group* in practice

- UFCG Monthly meeting on Teams including some EuroHPC staff
- Independent – a group of **Users**
- Limited term – keep fresh with new members
- Slack and discourse channels (see later)
- Two-way communication from users to EuroHPC
- Connection to RIAG/INFRAG/EPICURE
- Provide feedback to documents and reports from EuroHPC JU

Future Activities

- Online webinars with EuroHPC groups (e.g. 1 hour):
    - EPICURE (how to improve your software)
    - ARC (proposal review process)
    - Network infrastructure
    - EFP (federated access to systems)
    - Another topic of your choice... tell us!
- Gauging user opinion: feedback
    - online discussion on slack: ask your question for EuroHPC.
    - adding content to Discourse

Who is in the Coordination Group?

Chris Richardson (chair) Cambridge UK, Physics/Engineering finite element software development

Maria Girone (vice chair) High Energy Physics, CERN, Switzerland, Head of CERN openlab

Andrius Popovas (University of Oslo, Norway) HPC users for computational astrophysics

Ivan Carnimeo (CNR-IOM, Italy): Materials science/Chemistry/Physics developer of Quantum ESPRESSO

Thomas Geenen (ECMWF, Italy, Destination Earth) - Climate and Weather Prediction and Earth System Digital Twin communities

Lara Peeters (VSC - HPC in Flanders, Belgium) - Digital Humanities

Sinéad Ryan (Trinity College Dublin, Ireland) – Lattice Quantum Chromodynamics

Zoe Cournia - Biomolecular simulations and drug discovery Academy of Athens, Greece

Matthias Meinke - Institute of Aerodynamics RWTH Aachen, Germany

Electing new members of UFCG

- "Members of the UFCG should be geographically distributed and cover wide range of disciplines as well as strive for gender balance. They should also represent different types of experience in applications related to HPC, Quantum and AI computing. "

- Nominations: **put yourself forward**

Join in.

- https://eurohpc-users.discourse.group/signup

- Forum discussion

- Archived as a longer-lasting source of information

- Informal "chat" application
- Help to start conversations
- Not a "high security" platform

Code of Conduct (draft)

- **<u>Maintain professionalism in all interactions</u>**—whether in-person at conferences/workshops, related social events, or in virtual and social media spaces.

- **<u>Respect others by avoiding offensive comments or behaviors</u>**, including harassment, intimidation, or exclusionary remarks based on gender identity, sexual orientation, disability, physical appearance, race, nationality, religion, or any other personal characteristic.

- **<u>Engage in constructive scientific discussions</u>** without personal attacks, insults, or belittling remarks. Critical feedback should be professional and focused on ideas rather than individuals.

- **<u>Respect privacy when sharing content</u>**. If recording online talks or posting speaker photos on social media, obtain permission beforehand. Content from presentations may be shared unless the speaker has requested otherwise.

This morning's panel sessions

Governance

Chair: Sinéad Ryan

User Experience

Chair: Thomas Geenen

And later... meet us all at lunchtime (13:00-14:00)