EURO
CZECHIA

THE NATIONAL
COMPETENCE CENTRE IN HPC

Access to the EuroHPC JU infrastructure

The EuroHPC Supercomputing Ecosystem

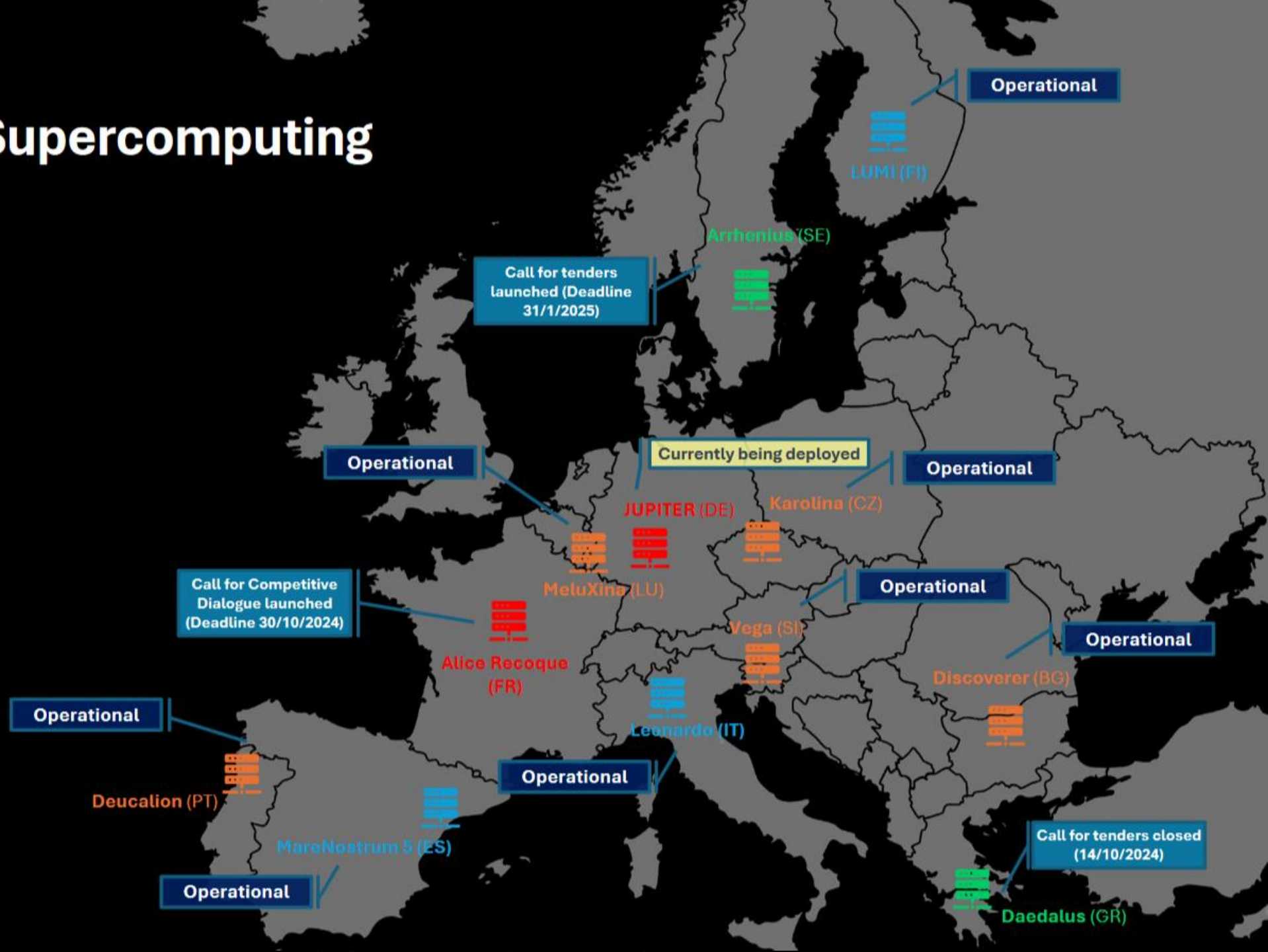
EXASCALE

PRE-EXASCALE

PETASCALE

MID-RANGE

EuroHPC Joint Undertaking



ACCESS MODES OVERVIEW

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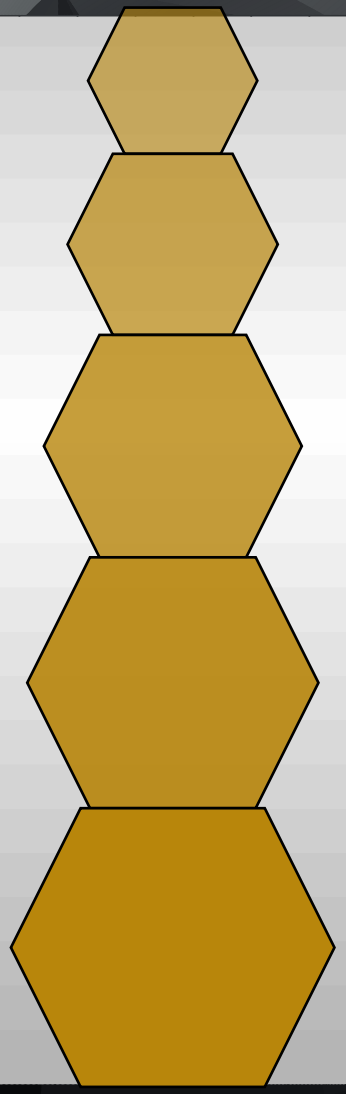


1. Benchmark Access

Allows researchers and application developers to test or benchmark their applications.

2. Development Access

For researchers and developers requiring a small number of node hours to develop, test and optimize their applications prior to applying for access.

3. AI and Data-Intensive Applications Access

For industry, SMEs, startups, and public sector entities requiring access to supercomputing resources to perform AI and data-intensive activities.

4. Regular Access

For research and public sector applications requiring large-scale resources or frequent access to substantial computing and storage resources.

5. Extreme-Scale Access

For high-impact and high gain innovative research applications, with very large compute time, data storage and support needs.

UPCOMING CUT-OFFS

EURO CZECHIA

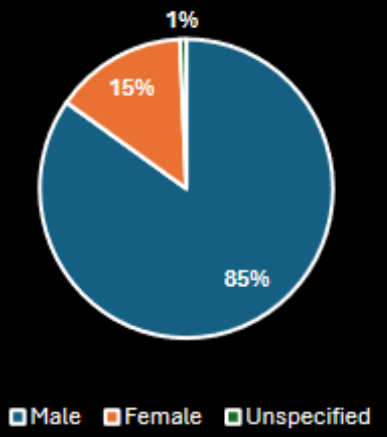
Access Type	Cut-Offs Frequency	Next Cut-Offs Dates
Benchmark Access	Monthly cut-offs	1 December 2024, 1 January 2025, 1 February 2025...
Development Access	Monthly cut-offs	1 December 2024, 1 January 2025, 1 February 2025...
AI and Data-Intensive Applications Access	Bi-monthly cut-offs	22 November 2024, April 2025
Regular Access	2 cut-offs per year	March 2025
Extreme-Scale Access	2 cut-offs per year	April 2025

Access calls statistics

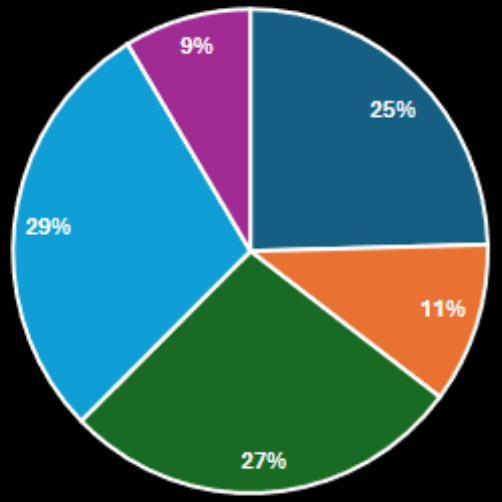
OVERALL STATISTICS

AWARDED RESOURCES PER ACCESS MODE		
ACCESS CALL	**PROPOSALS AWARDED**	**NODE HOURS AWARDED**
EXTREME SCALE ACCESS (Dec 2022-Apr 2024)	75	63,113,698
REGULAR ACCESS (Dec 2021-Mar 2024)	189	25,698,394
AI AND DATA INTENSIVE APPLICATIONS ACCESS (Apr 2024-Jun 2024)	25	1,033,500
TOTAL	**289**	**89,845,592**

All calls for production activities - PI gender distribution - awarded projects



All calls for production activities - research domains distribution - awarded projects



- Chemical Sciences and Materials, Solid State Physics
- Earth System Sciences & Environmental Studies
- Engineering, Mathematics and Computer Sciences
- Computational Physics: Universe Sciences, Fundamental Constituents of Matter
- Biochemistry, Bioinformatics, Life Sciences, Physiology and Medicine

Peer-Review Process

BENCHMARK AND DEVELEOPMENT ACCESS

Access available on petascale and pre-exascale systems

Access calls statistics

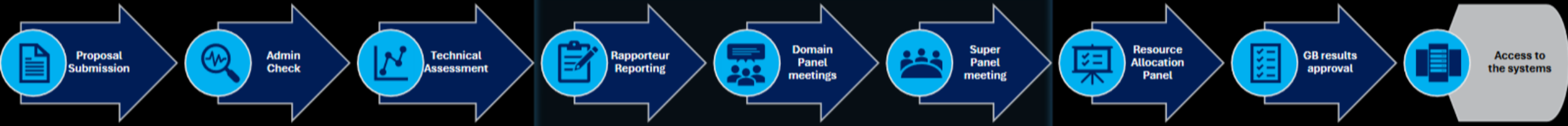
BENCHMARK AND DEVELOPMENT ACCESS

Benchmark and Development Call Statistics for the period of Jan - Sept 2024

ACCESS MODE	NUMBER OF SUBMITTED PROJECTS	REQUESTED NODE HOURS	NUMBER OF AWARDED PROJECTS	AWARDED IN % OF REQUESTED PROJECTS	AWARDED NODE HOURS	AWARDED NODE HOURS IN % OF REQUESTED NODE HOURS
BENCMARK ACCESS	188	720.000	158	84%	629.800	87%
DEVELOPMENT ACCESS	300	2.450.900	246	82%	2.195.500	90%
Total	488	3.170.900	404	83%	2.825.300	89%

Peer-Review Process

REGULAR ACCESS



Access available on petascale and pre-exascale systems

Evaluation criteria:

Excellence
Innovation and Impact
Quality and Efficiency of the Implementation

Scoring system:

- Grade **0-5** per criterium
- Minimum grade per criterium – **3**
- Overall grade sum **0-15**
- Overall grade sum minimum - **10**

ACCESS TRACKS:

SCIENTIFIC

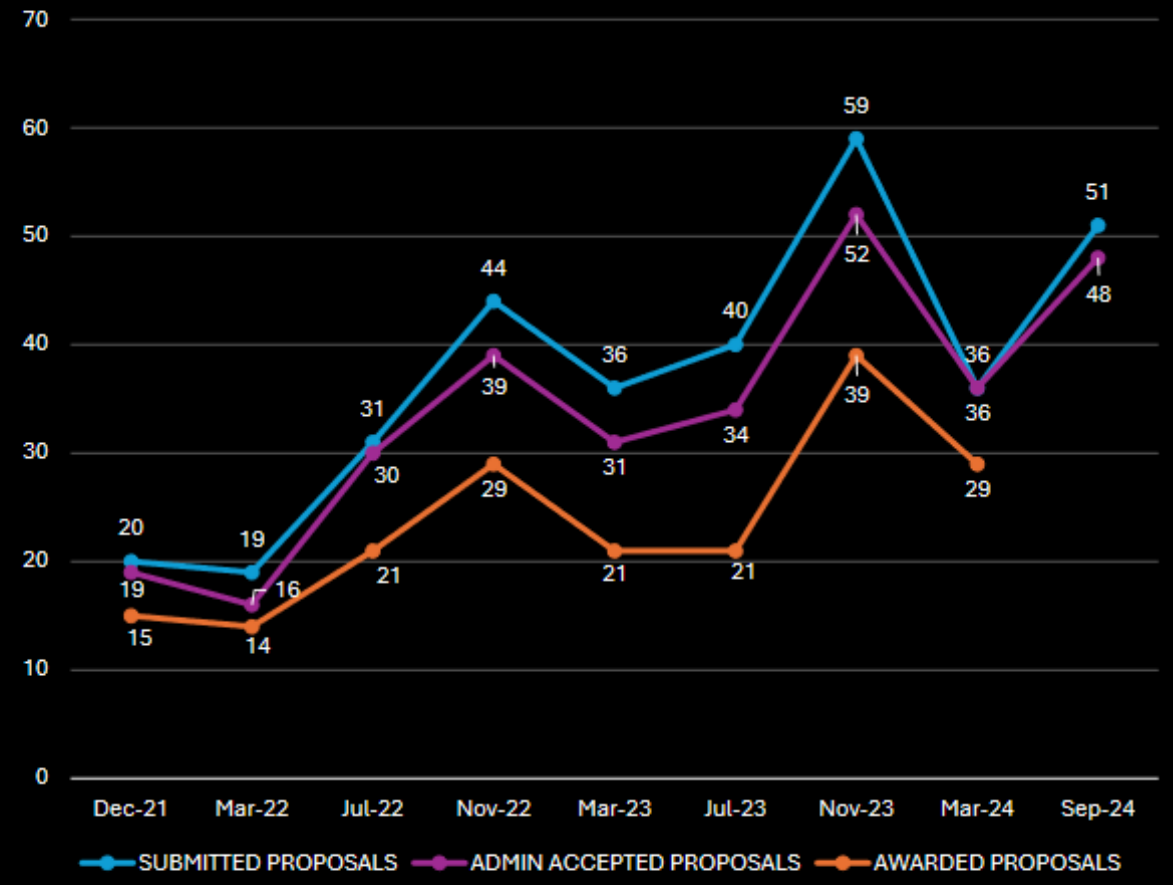
INDUSTRY

PUBLIC ADMINISTRATION

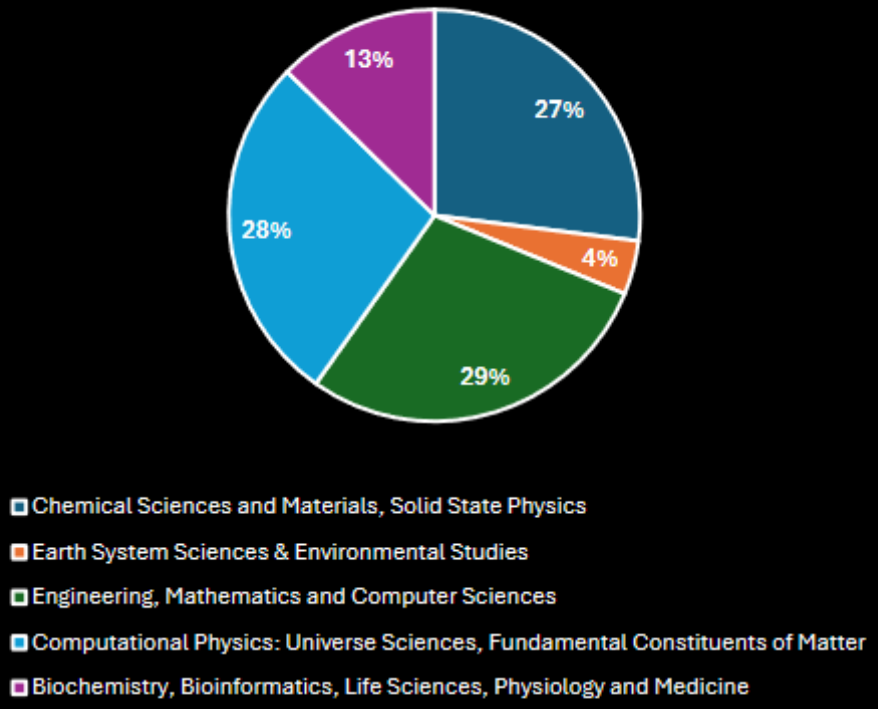
Access calls statistics

REGULAR ACCESS

Regular Access - Submitted vs administratively accepted vs awarded proposals (Dec 2021-Sep 2024)

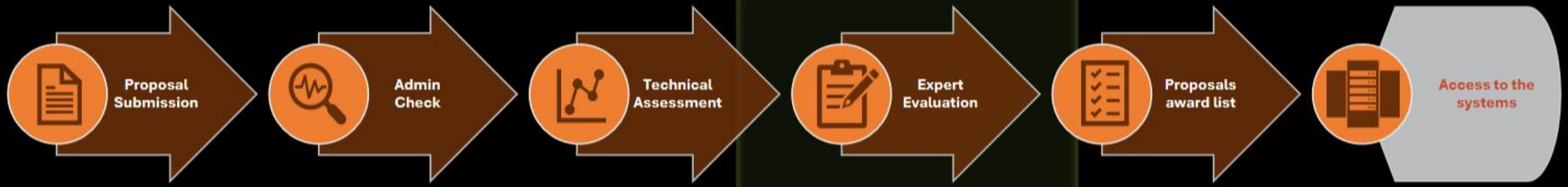


Regular Access - Research domains distribution of awarded proposals (Dec 2021-Mar 2024)



Peer-Review Process

AI AND DATA INTENSIVE APPLICATIONS ACCESS



Access available on GPU partitions of petascale and pre-exascale systems

Evaluation criteria:

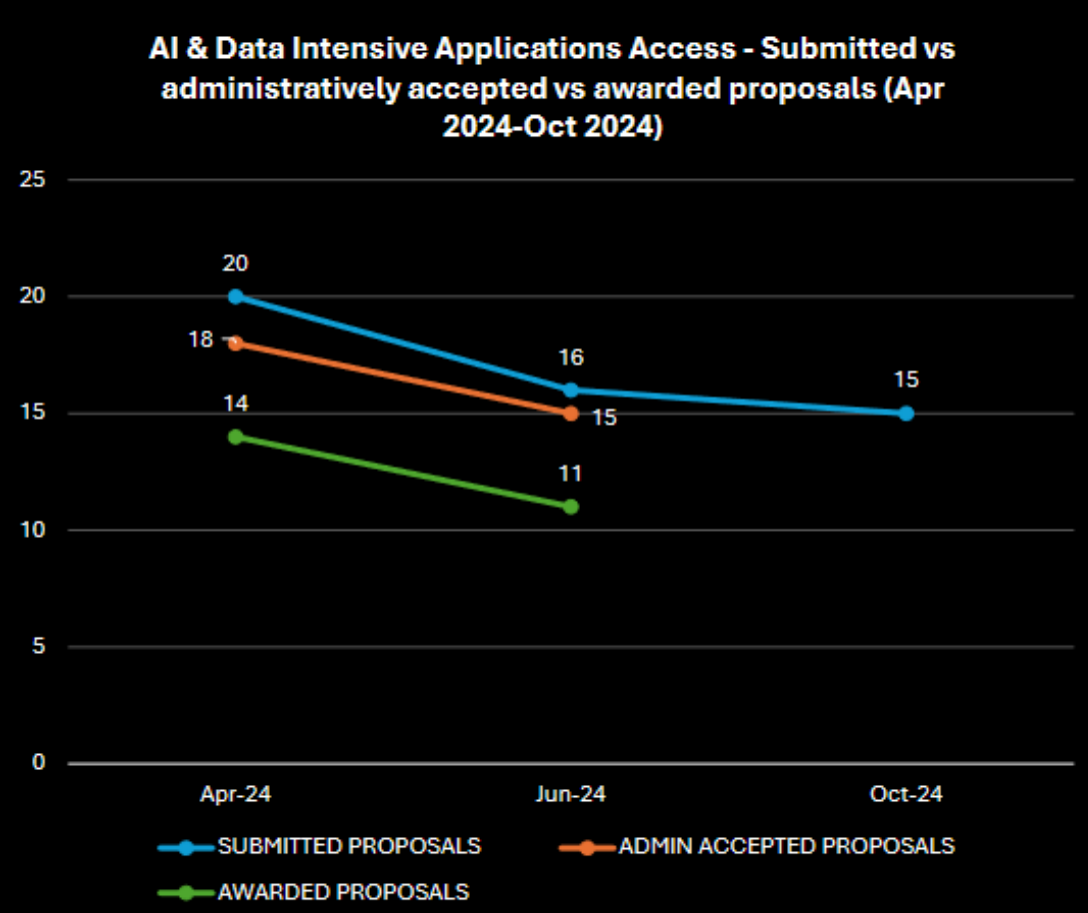
Excellence
Innovation and Impact
Quality and Efficiency of the Implementation

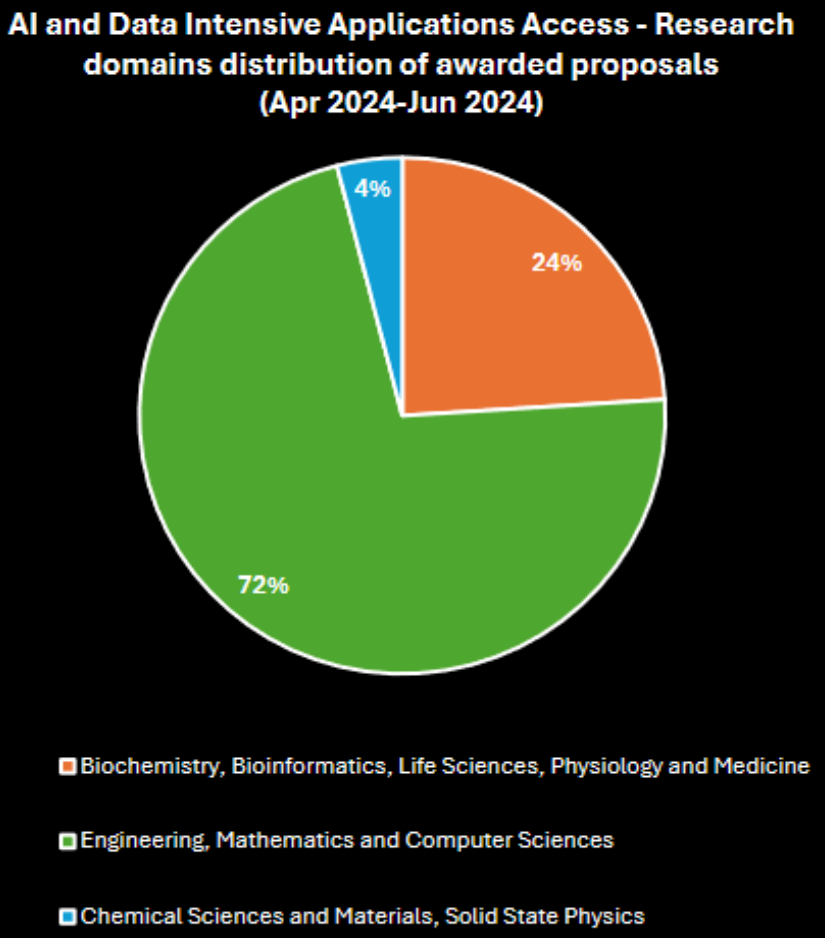
Scoring system:

- Grade **0-5** per criterium
- Minimum grade per criterium – **3**
- Overall grade sum **0-15**
- Overall grade sum minimum - **10**

Access calls statistics

AI AND DATA INTENSIVE APPLICATIONS ACCESS





Peer-Review Process

EXTREME SCALE ACCESS

Evaluation criteria:

Excellence
Innovation and Impact
Quality and Efficiency of the Implementation

Scoring system:

- Grade **0-5** per criterium
- Minimum grade per criterium – **3**
- Overall grade sum **0-15**
- Overall grade sum minimum - **10**

Access available on pre-exascale systems

ACCESS TRACKS:

SCIENTIFIC

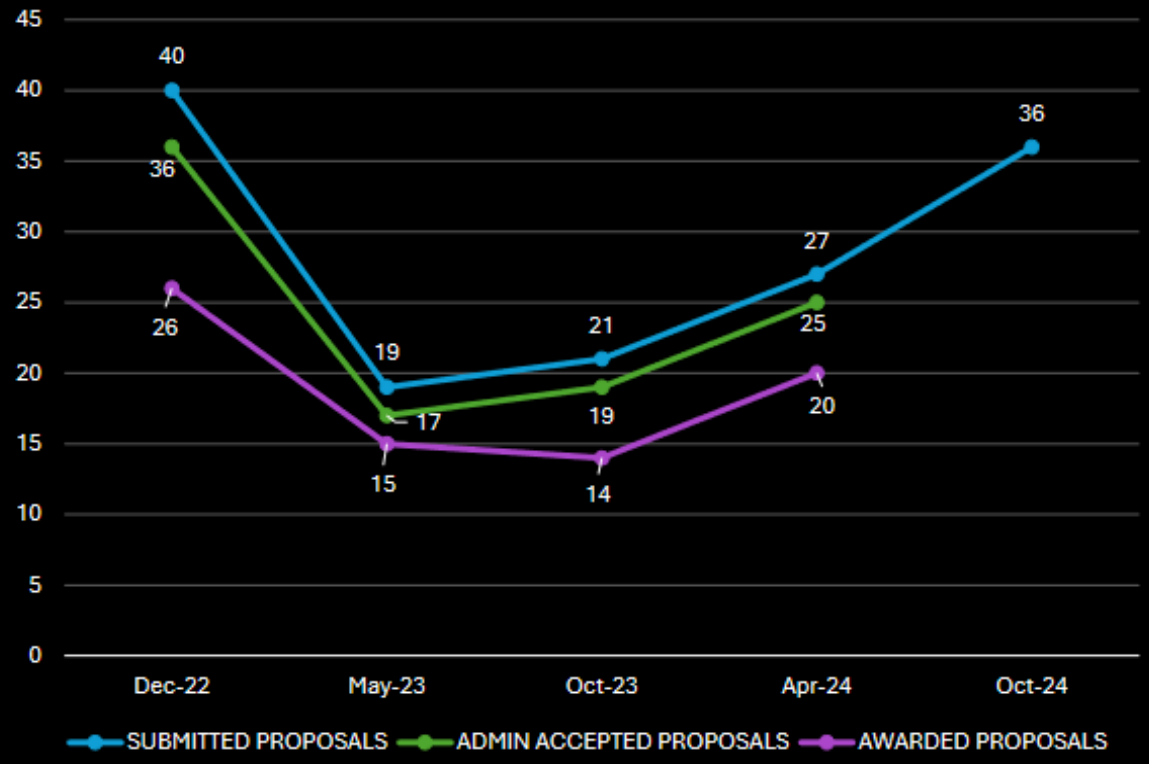
INDUSTRY

PUBLIC ADMINISTRATION

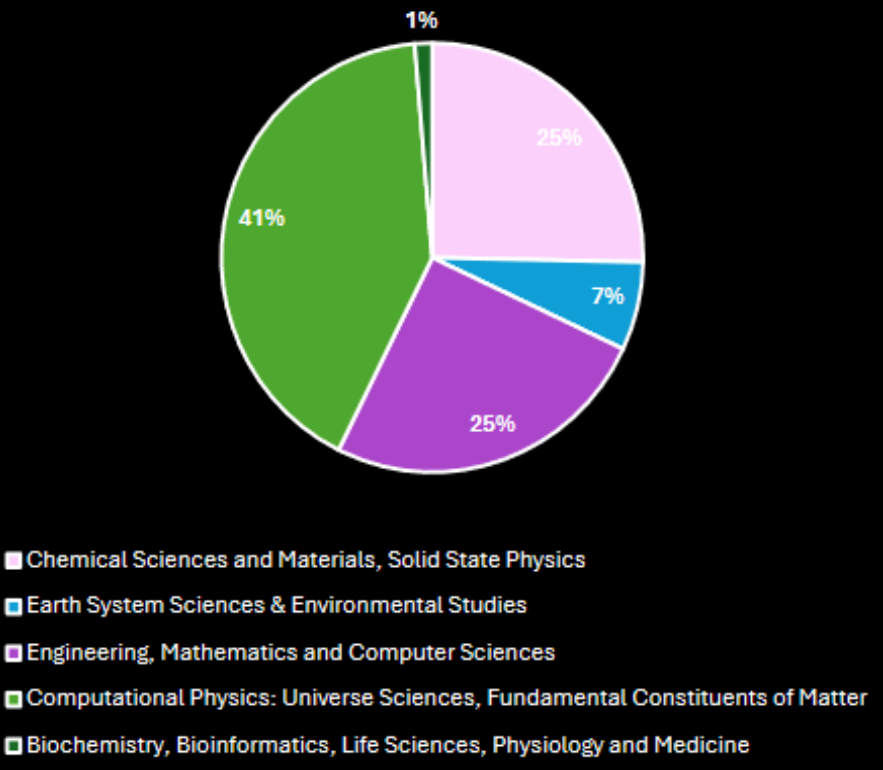
Access calls statistics

EXTREME SCALE ACCESS

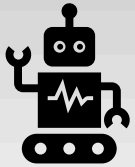
Extreme Scale Access - Submitted vs administratively accepted vs awarded proposals (Dec 2022-Oct 2024)



Extreme Scale Access - Research domains distribution of awarded proposals (Dec 2022-Apr 2024)



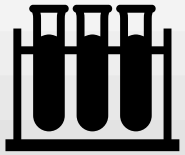
EVALUATION PROCESS



Evaluations of proposals' technical feasibility

Technical experts:

- Computing centre representatives
- Technical reviewers



Evaluations of proposals' scientific excellence, innovation and impact quality and efficiency

Scientific experts:

- Committee Chairs
- Domain Panel Chairs
- Rapporteurs
- External reviewers

Access resource committee establishment in 2024/2025

TECH DETAILS OF THE SYSTEMS

EURO CZECHIA

LUMI (Finland)

Karolina (Czechia)

Discoverer (Bulgaria)

Daedalus (Greece)*

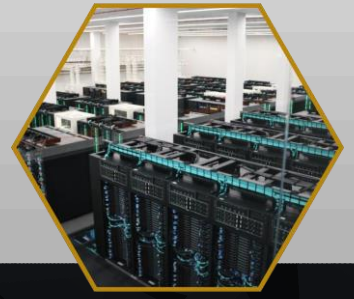
Leonardo (Italy)

Meluxina (Luxemburg)

Deucalion (Portugal)

Jupiter (Germany)*

MareNostrum 5 (Spain)



Vega (Slovenia)

Arrhenius (Sweden)*

Alice Recoque (France)*

WHO IS ELIGIBLE?

Industrial enterprises and SMEs

Academic and research institutions

public + private

Public sector organisations

EURO
CZECHIA

Is there anything more you'd like to know?

You can reach us at any time!

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MINISTRY OF EDUCATION, YOUTH AND SPORTS

EuroHPC