



**EuroHPC JOINT UNDERTAKING**  
**DECISION OF THE GOVERNING BOARD OF THE EuroHPC JOINT**  
**UNDERTAKING No 22/2022**

**Approving the proposals selected for funding pursuant to the evaluation of**  
**the Call for Proposal for the Regular Access Call**

THE GOVERNING BOARD OF THE EuroHPC JOINT UNDERTAKING,

Having regard to Council Regulation (EU) 2021/1173 of 13 July 2021 on establishing the European High Performance Computing Joint Undertaking and repealing Regulation (EU) 2018/1488 , in particular Article 38.1 second paragraph.

Having regard to Regulation (EU) 2018/1488 and, in particular to Article 13 thereof.

Having regard to Decision of the Governing Board of the EuroHPC Joint Undertaking No 11/2021 of 28 June 2021, amending the annual Work Plan and Budget of the EuroHPC Joint Undertaking for the year 2021<sup>1</sup>,

Having regard to Decision of the Governing Board of the EuroHPC Joint Undertaking No 18/2021 of 1 October, on the Access Policy to the Union's share on the access time to the pre-exascale and petascale supercomputers, and, in particular to Section 2.6 therein.

Having regard to Decision No 19/2021 of 1 October 2021, approving the Call for Proposal and Terms of Reference for the Regular Access Call and, in particular, to Section 5.2 of its Terms of Reference.

WHEREAS

- (1) The Governing Board shall define the access rights to the Union's share of access time to the pre-exascale supercomputers and petascale supercomputers and to the Union's share of access time to the national supercomputers.
- (2) Pursuant to the amended Annual Work Plan 2021 adopted by Decision of the Governing Board No 11/2021 of 28 June 2021, the EuroHPC Joint Undertaking launched on 10

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<sup>1</sup> Subsequently modified by Decision of the Governing Board of the EuroHPC Joint Undertaking 29/2021 of 14 December 2021.

November 2021 the call for Proposal and Terms of Reference for the Regular Access Call.

- (3) The call for proposal was opened on 10 November 2021 providing as deadline of the second cut-off date, 4 March 2022.
- (4) By 4 March 2022, 19 proposals were submitted in response to the call requesting access to the currently five operational systems of the EuroHPC Joint Undertaking: MeluXina, Vega, Karolina, Discoverer and LUMI. 18 were submitted to the Scientific Track and 1 to the Industrial Track. No proposals were received for the Public Sector track.
- (5) The evaluation was performed following the Access Policy guidelines and the Terms of Reference approved by the Governing Board by Decisions No 18/2021 and No 19/2021 both of 1 October.
- (6) The evaluation of the proposals for this call were carried out according to the rules and procedures of Horizon 2020. The proposals were verified for its compliance with the admissibility requirements and eligibility conditions of the call. As a result of the evaluation, 14 applications were ranked above threshold and were retained to receive access time to EuroHPC supercomputers.
- (7) The Governing Board should approve the ranking of applications to receive regular access time to EuroHPC supercomputers on the basis of the second Regular Access Cut-Off Evaluation Report.
- (8) The Executive Director has submitted to the Governing Board for approval the ranked list of applications attached as Annex 1.
- (9) The Governing Board took note and acknowledged the Report of the Executive Director on the outcome of the call, which includes the Regular Access Cut-Off Evaluation Report with its annexes.
- (10) The Executive Director should implement the decision of the Governing Board.
- (11) During the 27<sup>th</sup> Governing Board meeting, the Governing Board has agreed to approved the proposals selected for funding pursuant to the evaluation of the call for proposal for the Regular Access Call and

HAS ADOPTED THIS DECISION:

*Article 1*

On the call for proposal for the Regular Access Call, the Governing Board approves the ranking list of applications selected to receive access time to EuroHPC supercomputers.

*Article 2*

The Executive Director shall inform the applicants, by email, of the result of the evaluation. The successful applications shall be contacted by the technical teams of the assigned supercomputer centre for the onboarding procedure. Prospective users will be requested to sign an Acceptable User Policy before accessing the system.

*Article 3*

This Decision shall enter into force on the date of its adoption.

Done at Kajaani, on 14 June 2022.

For the Governing Board

[signed]

Herbert Zeisel

The Chair

Annex 1: 2<sup>nd</sup> cut-off Regular Access Proposal Ranking

## Annex 1 – 2<sup>nd</sup> cut-off Regular Access Proposal Ranking

Proposal ID	Title	Track	Rank	Score	Country	Y/N	VC	VL	VG	MC	MG	KC	KG	DC	LC
EHPC-REG-2022R01-048	Bubble-modulated Mixing in turbulence (BLUMEN)	SAT	1	13.5	AT	Y	-	-	-	-	-	-	-	17.3	-
EHPC-REG-2022R01-010	META: Mach number Effects in Turbulent flows over Acoustic liners	SAT	2	13.5	NL	Y	-	-	-	-	4.0	-	-	-	-
EHPC-REG-2022R01-049	3D Radiative-Hydrodynamical Stellar Atmosphere Modelling	SAT	3	13	DK	y	-	-	-	-	-	13.0	-	-	-
EHPC-REG-2022R01-038	Human in-silico clinical trials to assess drug-induced arrhythmic risk	SAT	4	13	ES	y	60.0	-	-	-	-	-	-	-	-
EHPC-REG-2022R01-041	Structural and functional characterization of HERG potassium channels' enhancers as a novel therapeutic strategy for Long QT Syndrome	SAT	5	13	IT	y	-	-	-	-	-	-	-	-	12.0
EHPC-REG-2022R01-040	Design of new bimetallic alloys with catalytic activity for the oxygen reduction reaction through elastic strain engineering using first principles calculations	SAT	6	12	ES	Y	-	-	1.0	-	-	-	-	-	-
EHPC-REG-2022R01-052	Anisotropy in turbulent emulsions	SAT	7	12	IT	Y	-	-	-	-	3.6	-	-	-	-
EHPC-REG-2022R01-034	Rational design of nonprecious metal oxides for electrocatalytic N <sub>2</sub> reduction reaction	SAT	8	11.5	IE	Y	13.6	-	-	-	-	-	-	-	-
EHPC-REG-2022R02-060	High-Fidelity scale resolving simulations of an Axisymmetric Transonic Bump (HFATB)	SAT	9	11.5	IT	Y	12.0	-	-	-	-	-	-	-	-
EHPC-REG-2022R01-054	AI for droplet dynamics	SAT	10	11	CY	Y	12.3	-	-	-	-	-	-	-	-
EHPC-REG-2022R01-020	Growth and spectra of Capillary waves in viscosity stratified turbulence (CARAVEL)	SAT	11	10.5	IT	Y	-	-	-	-	-	-	-	-	24.0
EHPC-REG-2022R01-028	Pathways to efficient extreme-scale multilingual models	IAT	12	10.5	FR	Y	-	-	-	-	1.9	-	-	-	-
EHPC-REG-2022R01-029	Polarizable Molecular Dynamics of Biocompatible Ionic Liquids	SAT	13	10	IT	Y	-	-	-	-	-	6.4	-	-	-
EHPC-REG-2022R01-030	Active flow control of a 3-element high-lift wing: the role of coherent structures	SAT	14	10	ES	Y	15.0	-	-	-	-	-	-	-	-
EHPC-REG-2022R01-015	New paradigms in cosmology and high-energy physics from numerical relativity	SAT	15	10	IT	N	-	-	-	-	-	-	-	-	-
EHPC-REG-2022R01-043	Semi-implicit discretizations for Navier-Stokes equations	SAT	16	3	IT	N	-	-	-	-	-	-	-	-	-

\* Core-hours are in Millions

\*\* VC=Vega CPU, VG=Vega GPU, MC=MeluXina CPU, MG=MeluXina GPU, KC=Karolina CPU, KG=Karolina GPU, DC=Discoverer, LC=LUMI-C