

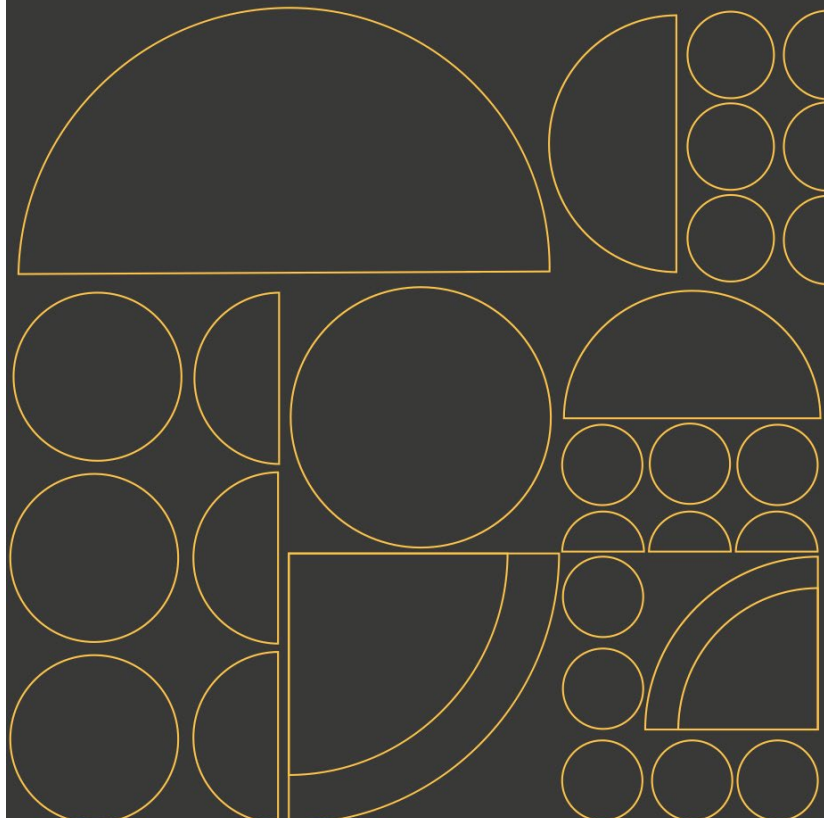
ChEESE

WP1
Project Management

Maria Jose Garcia Miraz
CSIC



Project funded by EuroHPC under the grant agreement No 101093038.



Progress Update:

- Official Review Report in May: addressed the requested revisions, both technical and financial
- RP1 officially closed in September
- Waiting for Interim payment. We will distribute payments. It represents **17% your individual grant amount**
- Budget transfer for **travel:** requested and accepted
- **Internal** budget monitoring M1-18
- GA amendment has been launched (NGI)



REVIEW MEETING RESULTS

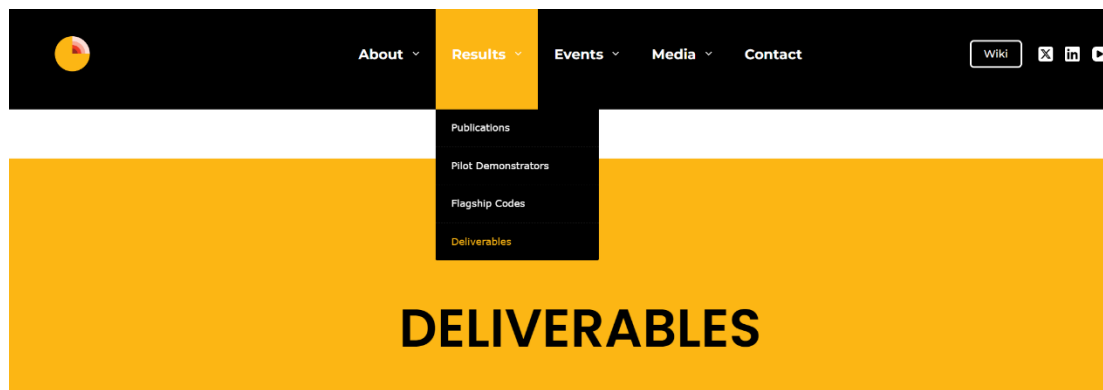
- Overall assesment: very positive:
“The project has fully achieved its objectives and milestones for the period”
- It included 9 scientific recommendations
- Financial revisions: 6 beneficiaries
- Revision of **2 deliverables** was requested:
D2.1 First code Audit report
D7.4 Training Plan



GENERAL PROJECT REVIEW CONSOLIDATED REPORT (HE)

COVER PAGE

PROJECT	
Project number:	101093038
Project acronym:	ChEESE-2P
Project name:	Center of Excellence for Exascale in Solid Earth - Second Phase
Call:	HORIZON-EUROHPC-JU-2021-COE-01
Topic:	HORIZON-EUROHPC-JU-2021-COE-01-02
Type of action:	HORIZON-JU-RIA
Service:	EUROHPC
Project starting date:	1/1/2023
Project duration:	48 months
PROJECT REVIEW	
Period covered:	from 1/1/2023 to 31/12/2023



COLLABORATION WITH CASTIEL

- Follow-up COLA: Officially signed
- Attended coleader meetings
- BSCW platform: collaborative tool for NCCs and CoEs
- Updated our KPIs through their digital platform:

Joint Newsletter for NCCs & CoEs
NCCs & CoEs – Conferences, Seminars & Co.

General information for NCCs/CoEs

Please do not hesitate to let us know about your current and planned workshops, training courses and other events so that we can add them to our newsletter. Please send your events to ggarcia.florez@his.de with ggarcia.florez@his.de in copy.

SEPTEMBER 2024

Date / Topic	Organiser	Target group	Event	Format
2-3 September	NCC, Denmark, Norway, Sweden and Finland		Nordic Industry Days: Supercutting, the gateway to AI! This event is a unique opportunity for industry professionals and high-tech startups to explore in the latest developments Copenhagen, in High-Performance Computing (HPC), Artificial Intelligence (AI) and Quantum Computing in the Nordic region.	More info to-All invite
			Data-driven Applications for Esasale Supercomputers!	

EURO+ Digital Reports Dashboard

Individual Key Performance Indicators

Previous Reports

M18 January-June 2024
Closed.

Next Reports

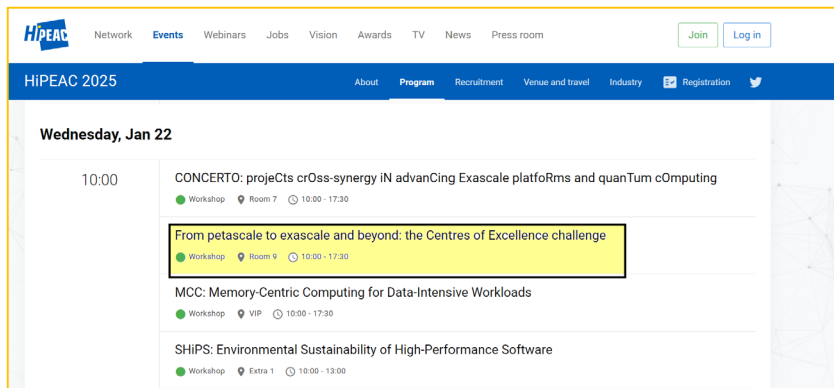
M24 July-December 2024 Opening: October 2024	M30 January-June 2025 Opening: May 2025
M36 July-December 2025 Opening: October 2025	M42 January-June 2026 Opening: May 2026
M48 July-December 2026 Opening: October 2026	

Internal Monitoring M18

PARTNER	YEAR 1			M18		
	SPENT	Interpolated	% SPENT	SPENT	Interpolated	% SPENT
CSIC	222.859	235.938	94%	342.742	353.906	97%
BSC	72.824	169.026	43%	190.954	253.539	75%
INGV	223.900	149.486	150%	313.874	224.230	140%
IMO	62.714	92.370	68%	86.800	138.555	63%
USTUTT	39.856	155.240	26%	116.604	232.860	50%
CIN	126.286	131.224	96%	196.195	196.836	100%
TUM	68.126	108.228	63%	120.204	162.342	74%
LMU	89.939	121.088	74%	143.804	181.632,66	79%
UMA	46.298	97.526	47%	100.186	146.289	68%
NGI	55.378	117.964	47%	119.053	176.946	67%
CNRS+IP						
GP	147.268	175.716	84%	264.067	263.574	100%
BULL	62.187	131.500	47%	148.680	197.250	75%
CSC	68.560	75.474	91%	105.180	113.211	93%
RBI	34.152	51.031	67%	45.033	76.547	59%
UM	17.444	53.438	33%	54.148	80.156	68%
SU	6.748	21.313	32%	33.630	63.938	53%
E4	0	14.774	0%	0	22.161	0%
Total	1.344.540	1.901.335	71%	2.381.154	2.883.971	83%
Period	YEAR 1			M18		

EQUALITY COMMITTEE

- Organized a seminar in April
- Collaborated with other CoEs to put together an all female session for the upcoming HIPEAC conference



HIPEAC 2025

Network Events Webinars Jobs Vision Awards TV News Press room

Join Log in

About Program Recruitment Venue and travel Industry Registration

Wednesday, Jan 22

10:00

CONCERTO: projeCts crOss-synergy iN advanCing Exascale platfoRms and quanTum cOmputing

Workshop Room 7 10:00 - 17:30

From petascale to exascale and beyond: the Centres of Excellence challenge

Workshop Room 9 10:00 - 17:30

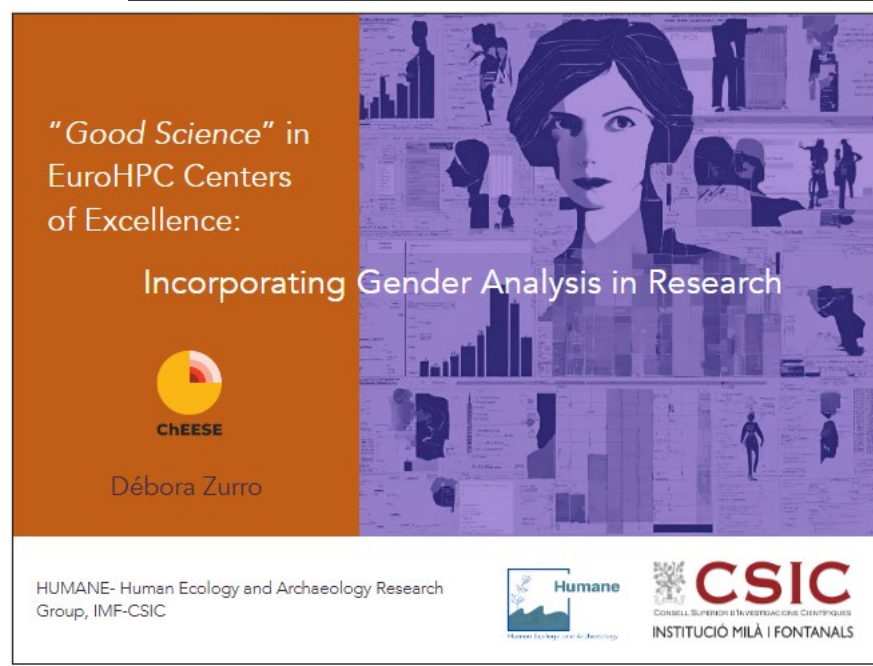
MCC: Memory-Centric Computing for Data-Intensive Workloads

Workshop VIP 10:00 - 17:30

SHIPS: Environmental Sustainability of High-Performance Software

Workshop Extra 1 10:00 - 13:00

- New members welcome



"Good Science" in EuroHPC Centers of Excellence:

Incorporating Gender Analysis in Research

CHEESE

Débora Zurro

HUMANE- Human Ecology and Archaeology Research Group, IMF-CSIC

Humane

CSIC

CONSELL SUPLENOR D'INVESTIGACIONS CIENTÍFIQUES

INSTITUCIÓ MILÀ I FONTANALS

What is next?

- Finalize amendment
- Our next reporting period: Month 30 – June 2025
- Next deliverables:

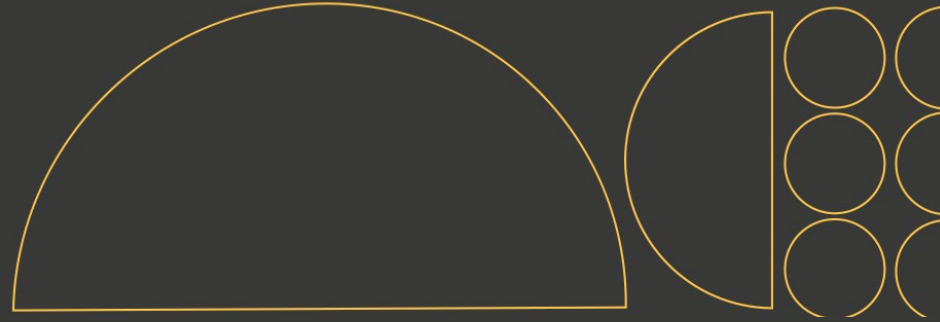
D2.2	First report on improving code performance at exascale	WP2	CINECA	24
D5.1	New version release of flagship codes	WP5	TUM	24
D1.3	~~Mid-term report >~~	~~WP1~~	~~CSIC~~	25



Month 30: Deadline for 8 deliverables



Thank you!



@cheese-coe



<http://cheese2.eu>



@cheese-coe



@cheese_coe@techhub.social



3. Recommendations

[R1] The focus in the activities oriented to achieve pre-exascale should be a priority in the project. The design of workflows should be focused in achieving this objective and not only a mere automatization of manual processes.

[R2] It is recommended for future monitoring periods to improve the reporting of the activities performed in the year of evaluation. For instance in D2.1 it is recommended to include a table with a summary of the starting point of each code at the beginning of the monitoring period and the advance achieved at the end of that monitoring period.

[R3] Another recommendation regarding reporting is that all tasks with activities during the monitoring period should be informed, not only those that have associated deliverables. For instance, it is recommended to include information and evidences regarding tasks 2.2 and 2.3 in the periodic report. In addition, WP6 has been omitted although it should have started in month 13 of the project. It is recommended to report on its activities even if in an early or preparatory phase.





[R4] It is important to make more efforts in measuring the impact of the project activities. For instance in terms of the number of users of the selected codes, community etc.

[R5] It is recommended to perform training actions more focused in the use of the selected codes (manuals, videos, etc.)

[R6] Related to [R1] it is recommended to establish a close collaboration with POP3 as soon as possible to ensure that tasks related to performance optimisation of codes can start and will not be further delayed. The status reported in the review meeting suggests that progress suffered from severe delays because POP3 has been established one year later (January 2024) than this CoE. Considering that POP3 may need to adapt its tools to the requirements of this CoE, alternative approaches for measuring code performance need to be considered in the meantime.

[R7] The following recommendation is also related to [R1]. The activities reported in WP5 related to the automation of workflows, for example, for codes that are running in parallel and communicating with each other, is appreciated by the reviewers. However, as the reported activities cover mainly automation of manual interaction, it is recommended to clarify within the deliverables of the next reporting period how these steps fit into the exascale ambition of this CoE. In particular, it is recommended to structure these activities further by including aspects that are relevant for exascale performance such as efficient data storage, potentially data format standardisation, efficient I/O and others.





[R8] Related to [R4] the role of the Industry and Users Board (IUB) should be clarified. At least the title is misleading as only a small portion of its members are from industry. In addition, this board seems to play a role in market assessment and industry liaison which is not conclusive in the current composition of members. Thus, it is strongly recommended to clarify the role of the board and who will engage in those tasks related to industry, market assessment or else where this board may not be well prepared to contribute to.

[R9] It is recommended for the next rto provide a more detailed description on the CoE's activities regarding collaboration with the twin projects CASTIEL2 and EuroCC2. As regards the collaboration with CASTIEL2, a proactive collaboration approach is recommended regarding the two major developments undertaken by CASTIEL2 and affecting the CoE:

- a) CI/CD: The common integration and deployment platform requires input from the CoEs regarding technical requirements and pre-requisites. The CI/CD will be developed further beyond what is currently available which is only a repository platform. It is therefore recommended to proactively liaise with CASTIEL2 to ensure technical requirements and interests of this CoE are appropriately considered.
 - b) C2ISS: The information sharing system similarly requires input from the CoEs. The C2ISS will become an overarching web portal which aims to replace several legacy portals including the CoE portal (hpccoe.eu). Therefore, it is recommended to proactively liaise with CASTIEL2 to ensure that this CoE's requirements are considered, and that work performed within this CoE's work packages will neither become duplicate nor lost.
- It is recommended that respective activities (a, b) are closely monitored by the affected work packages of this CoE and advances recorded and presented in the next reporting period.
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