

ChEESE

Center of Excellence for Exascale in Solid Earth (second phase)

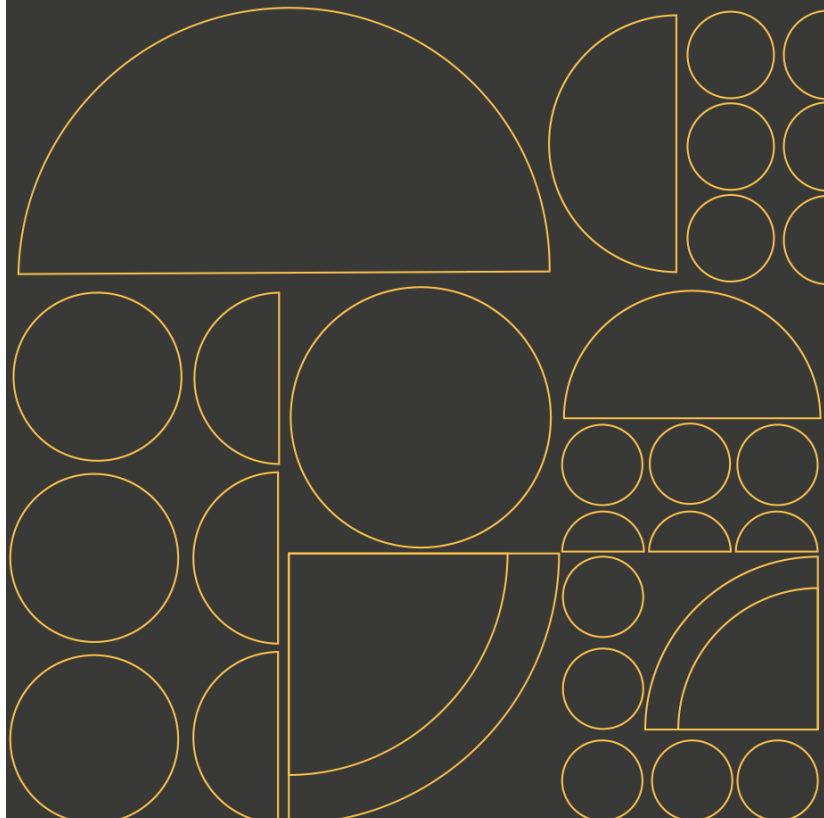
Project Structure, Boards and Committees

Project kick-off meeting
Barcelona, 19-20 January 2023

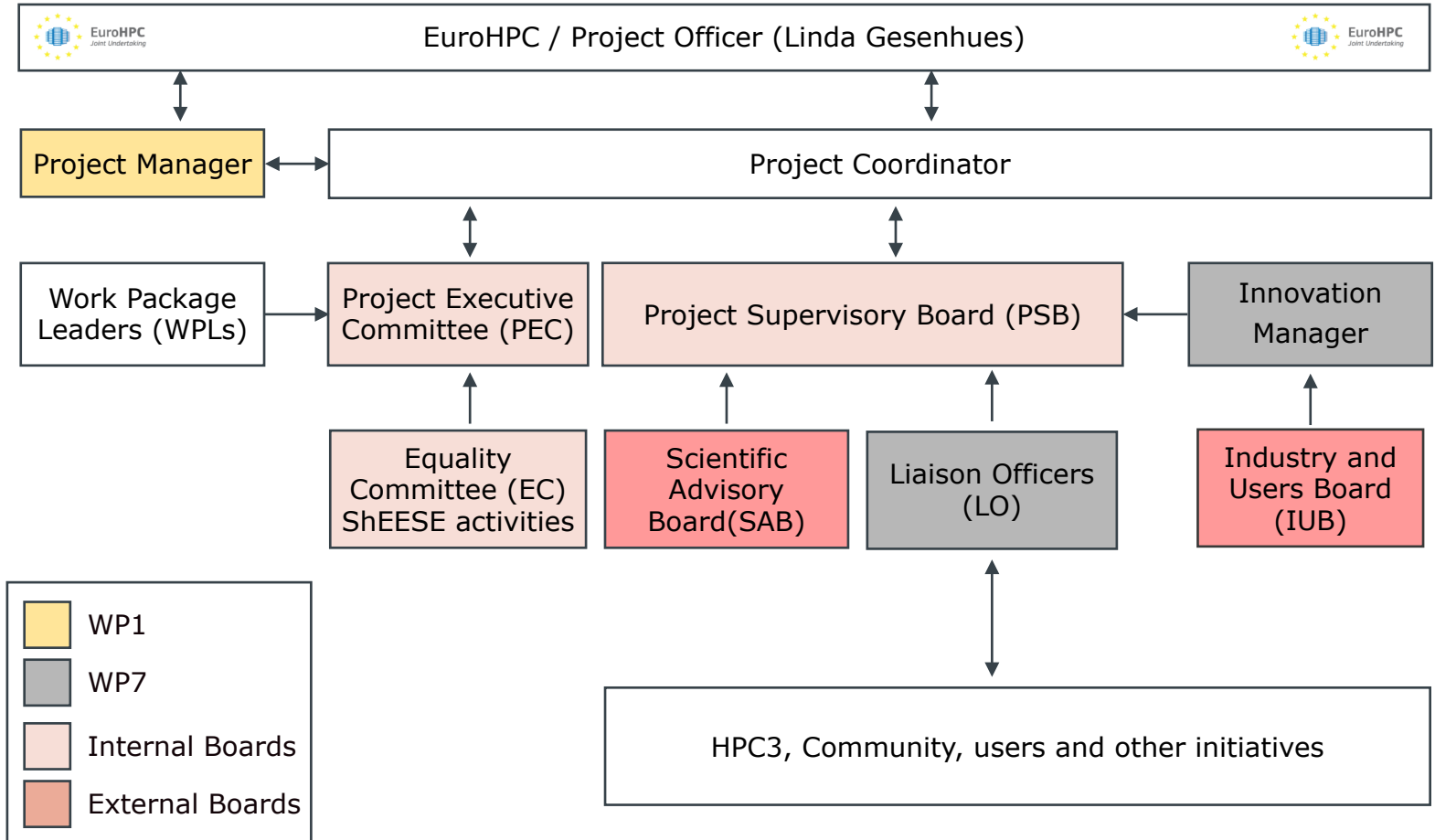
Arnau Folch
Geociencias Barcelona (GEO3BCN-CSIC)



Project funded by EuroHPC under the grant agreement No 101093038.



Project Management Structures (overview)



Internal boards: Project Executive Committee (PEC)

- Composed by the Project Coordinators (PCs) and the 7 WPLs (8 members in total)
- Responsible for the day-to-day execution of the project
- Will meet regularly (every 1-2 months) via teleconference or in coincidence with the face-to-face meetings
- The PEC is expected to raise critical issues to the Project Supervisory Board (PSB) and to support the Project Coordinator in cross work package relationships



Internal boards: Project Executive Committee (PEC)

WP	WP title	Partner	WPL
-	Coordination	CSIC	A. Folch
1	Project Management	CSIC	M.J. Garcia
2	Exascale technical challenges in flagship codes	CIN	P. Lanucara
3	Co-design with European HPC vendors and technologies	BULL	E. Raffin
4	Simulation ecosystem	HLRS	C. Niethammer
5	Farming Pilot Demonstrators	CNRS	V. Montellier
6	SCs and service enabling using EuroHPC infrastructures	INGV	T. Esposti-Ongaro
7	Dissemination, outreach and capacity building	BSC	R. Gregorio



Internal boards: Project Supervisory Board (PSB)

- The PSB is responsible for the overall management and running of the project
- Decision-making body of the project (holds the highest level of authority)
- Composed by the Coordinator plus 1 delegate per beneficiary partner (17 in total)
- Meets regularly (every 6 months and in coincidence with the General Assemblies)
- Voting rules and majorities defined in the Consortium Agreement (CA) and 2/3 are needed
- Decides on any aspect requiring Grant Agreement (GA) amendments, changes in the Consortium, etc.



Internal boards: Project Supervisory Board (PSB)

No	Partner	Delegate	No	Partner	Delegate
-	CSIC	A. Folch	9	UMA	J. Macías
1	CSIC	S. Zafrilla	10	NGI	F. Lovholt
2	BSC	M. Monterrubio	11	CNRS	V. Montellier
3	INGV	A. Costa	12	BULL	E. Raffin
4	IMO	B. Halldórson	13	CSC	J. Heikonen
5	HLRS	J. Gracia	14	RBI	C. Denamiel
6	CIN	P. Lanucara	15	UM	B. Kaus
7	TUM	M. Bader	16	SU	L. Le Pouret
8	LMU	A.-A. Gabriel	-	BSC	J. Farnós (observer)

Internal boards: Equality Committee (EC)

- Task 1.3
- Composed by delegates of at least 6 partners
- Favour gender equality and gender-balanced recruitment of the personnel hired by the project
- Promote the **ShEESE** activities (participation of women in research professional careers, links with the “Inspiring girls” initiative, campaigns during the International Day of Women and Girls in Science, etc.)
- Coordinate with Task 7.3 (training) to ensure the engagement of EU13 NCCs in the training activities

No	Partner	Delegate
1	LMU	
2	CSIC	M.J. Garcia
3		
4		
5		
6		



External boards: Scientific Advisory Board (SAB)

- Composed by 4 external experts from Solid Earth and Computer Sciences domains
- Monitor the progress of the project and advice on implementation and actions towards maximisation of impact
- Provide strategic support to WPLs in the periodic General Assemblies



Lesley Wyborn is Honorary Professor at the Research School of Earth Sciences and the National Computational Infrastructure at the Australian National University. She previously had 42 years' experience from 1972 to 2014 in Geoscience Australia in scientific research and in geoscientific data management. She is currently project leader of the 2030 Geophysics Collection Project which seeks to make national Geophysics Data Assets FAIR and machine actionable for use in 2030 Exascale environments.



Kim Olsen is the Rollin & Caroline Eckis Chair in Seismology, and Professor of Geophysics, at the Department of Geology and Geophysics, at the San Diego State University, San Diego, CA, USA. His expertise ranges from rupture dynamic modeling for earthquake sources, simulation of wave propagation in visco-elastic and visco-plastic media, to high performance computing.



Jean-Pierre Vilotte is Professor at the Institut de Physique du Globe de Paris (IPGP) where he has been (1997-2020) director of the high-performance computing and analysis centre. He is Scientific Deputy at the Institut National des Sciences de l'Univers (INSU) of the French CNRS for high-performance computing, data and information technology, and a member of the steering committee of the CNRS interdisciplinary centre: AI for Sciences and Sciences for AI the Sciences.



Lilli Freda is the Executive Director of EPOS Eric, committed to enabling excellent science through the integration, accessibility, use and re-use of solid Earth science data, research products and services, as well as by promoting physical access to research facilities. As Executive Director, Lilli Freda is the legal representative and overall coordinator of the Research Infrastructure.



External boards: Industry and Users Board (IUB)

- An independent, industry-based mechanism for obtaining feedback on project interim results
- Coordinated by the Project Innovation Manager (PIM)
- Facilitate industry and project end-user communities direct participation in identifying and pursuing exploitation opportunities (Task 7.5)
- Review the project evolution and provide feedback
- After ChEESE-1P, the IUB consists of the 34 members (not all will continue in ChEESE-2P)
- See J. Farnos presentation (next)



Other

- Project Manager (M.J. Garcia, CSIC)
- Project Innovation Manager (J. Farnos, BSC)
- Liaison Officers participating to Task 7.2

No		Project	Officer	Partner
1	Destination Earth		Arnau Folch	CSIC
2	CASTIEL-2 CSA and other CoEs	CASTIEL-2	Jose Gracia	HLRS
3		EsiWACE3		
4		HPC3		
5	EuroHPC and REA/HE funded projects	EuPILOT		BSC
6		EuPEX		BA
7		eFlows4HPC	Josep de laPuente	BSC
8		DT-GEO	Ramon Carbonell	CSIC
9		GEO-Inquire		INGV
10		EOSC (and EOSC-synergy 2)		CSIC
11	ERIC	EPOS		INGV

HPC CoE Council (HPC3)

- Established in 2019 (instigated by FocusCoE CSA)
- Currently, 14 HPC CoEs are members of HPC3 (1 delegate each + 3 chairs)
- Coordination of (some) dissemination activities and training
- HPC3 is a common forum for the CoEs to:
 - Promote the development and usage of high-end HPC applications in all scientific fields
 - Give inputs to the ETP4HPC Strategic Research Agenda
 - Identify European HPC CoEs common interests and represent the CoEs in the current European HPC landscape

Next HPC3 steps:

- **Acceptance of the Terms of References (ToR)** to the HPC3 (a formal ChEESE-2P acceptance is necessary to become full members and be able to vote, PSB tomorrow)

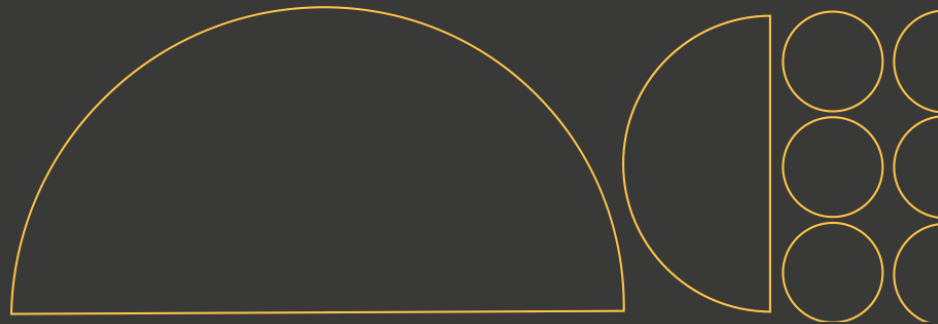


CASTIEL-2

- CASTIEL-2 (2023-2025) is the CSA supporting E-CoEs (i.e. new CoEs funded by the JU) and NCCs
- Successor of CASTIEL (former CSA for NCCs) and FocusCoE (former CSA for CoEs)
- CASTIEL-2 will interact with HPC3 (CASTIEL-2 WP2; T2.2)
- E-CoEs will be represented in CASTIEL-2 through representatives in the CoE Advisory Board (CAB)
- Collaboration between E-CoEs and CASTIEL-2 is a contractual obligation (in our DoA).
- CASTIEL-2 KoM: @HLRS, 8-9 Feb 2023
- CASTIEL-2 Task 2.2 (lead by Scapos) target CoE-NCC collaboration



Thank you!



@cheese-coe



<http://cheese2.eu>



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