

ChEESE

What's next?

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Deliverables (up to M30)

WP	Number	Deliverable name	Month	When
2	2.2	First report on improving code performance at exascale	24	Dec 2024
5	5.1	New version release of flagship codes	24	Dec 2024
2	2.3	Second code audit report	30	Jun 2025
4	4.3	Intermediate report on workflow setups and optimization	30	Jun 2025
5	5.2 to 5.6	Demonstrators of PD1, PD4, PD6, PD7, PD8	30	Jun 2025
7	7.5	Preliminary exploitation plan	30	Jun 2025
1	1.3	Mid-term report	32	Aug 2025



Milestones (up to M30)

MS	Name	KPIs	Month	When
MS10	Application deployment	Applications developed by ChEESE-2P made available to users of EuroHPC	12	?
MS3	Flagship code functionalities	Code version releases with the new functionalities (physics) available repository (D5.1)	24	Dec 2024
MS4	Mid-term review meeting	Check of the project program development (D1.3)	30	June 2025



Actions towards completing phase 2

Topic	Tasks	Actions
code performance	T2.2	Continue with the performance probability (including metrics)
	T2.3 and T2.1	Code optimisation activities towards the second POP audit round (M26-M28) and metrics to compare with baseline (D2.2; D2.3; MS5)
	T2.4	Start continuous Performance Efficiency Monitoring under BSC lead
code deployment	T4.3	CI/CD pipelines (runners/actions); at last 1 system per code
	T1.5	Documentation and metadata annotation (DMP)
code physics	5.1	Release new flagship code functionalities (D5.12; MS3)
min-apps	T3.2 and T3.3	Start testing on EuPEX/EuPilot prototypes
	T1.5	Repositories and SQAaaS (badges); metadata annotation (DMP)



Actions towards completing phase 2

Topic	Tasks	Actions
PDs and WFs	T4.1 and T5.2	Further implementation of WFs and PDs (D5.x and D4.3)
	T4.1	Address 1st review comments
SCs	T6.2 and T6.3	Early production runs
	T1.4	Provision of computational resources (EuroHPC calls)
	T1.5	Documentation and metadata annotation (DMP)
	WP6 + T7.4	Preparation of trials (IUB engagement)
Training	T7.3	Courses on AI and computational seismology (I)
Dissemination	T7.1	Continuous reporting!
	T7.1	Series of videos on codes (and related CASTIEL-2 code KPIs)

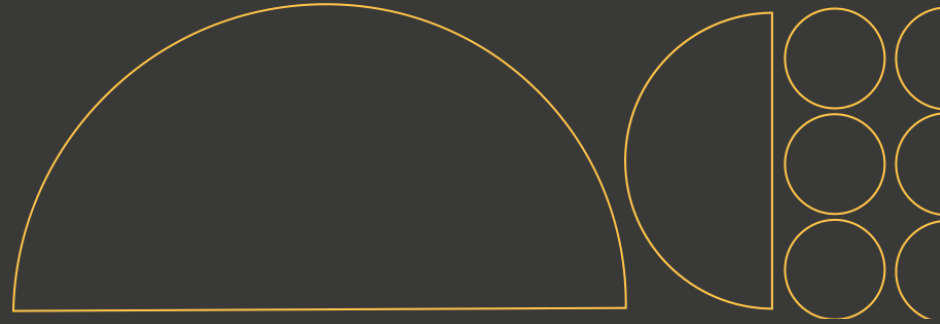


Actions towards completing phase 2

Topic	Tasks	Actions
Liaison	T7.2	CASTIEL-CAB reporting (Tomaso?)
	T7.2	geo-INQUIRE: SDL@CIN coordination and training event (Stefano?)
	T7.2	Metadata model (geo-INQUIRE + DT-GEO)
Exploitation	T7.5	Preliminary exploitation plan (D7.5)
CASTIEL-2	T7.6	CI/CD platform, "dos and dongs", "code of the month", portal (training, documentation)
	T7.6	Workshop with NCCs (Dec 2024)
	T7.6	WP4-Industry cluster
Reporting	T1.1	Continuous reporting! (review by M30)



Thank you!



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