

Wrap-up and & Next Action items

The first WP2 targets are:

- ➡ ☐ Deliverable 2.1 (M12): First code audit report
- ☐ Milestone MS5 (M36): exascale code preparation

Action items (from the kick-off meeting)

- ☐ Define a presentation template and roadmap for all the flagship codes
- ☐ ...
- ☐ ...
- ☐ ...



Presentation roadmap (tentative contents and schedule)

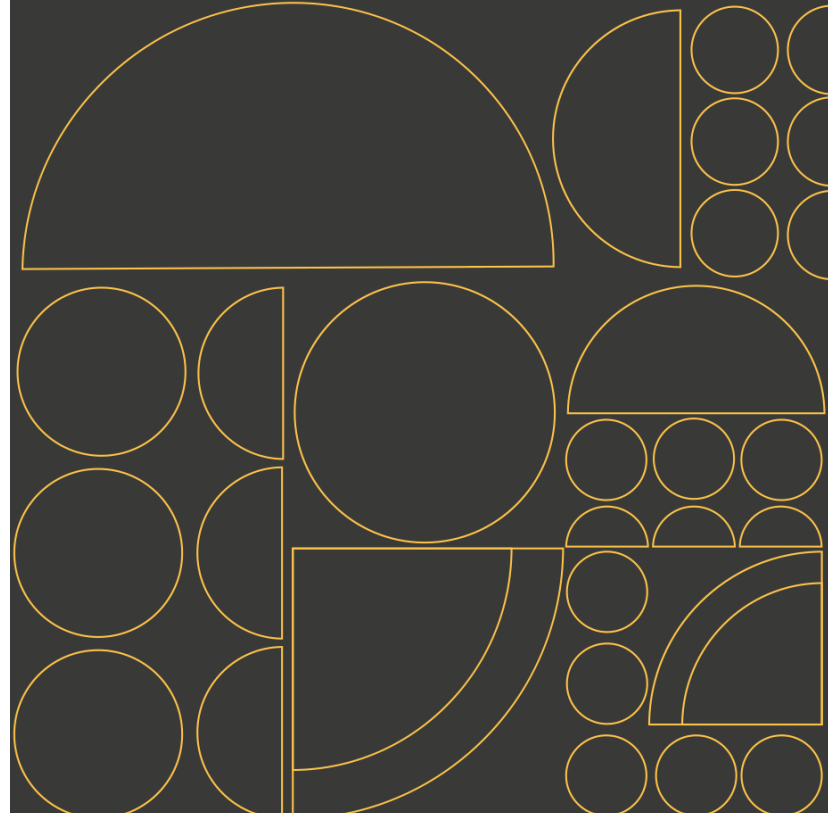
- ❑ **Each flagship code will present its status according to a given template.**
- ❑ **The presentation should report the following (mandatory) informations:**
 - ❑ one slide containing the “cv” of the code in a compact format (web page link, code repository, documentation, main features).
 - ❑ one slide useful for all tasks and containing all the available informations about actual performances (scaling campaigns, input data, performance assessment reports, hardware used, ...)
- ❑ to be continued...



T2.1

T2.2

T2.3



Presentation roadmap (tentative contents and schedule)

- ❑ **Each flagship code will present its status according to a given template.**
- ❑ **The presentation should report the following (mandatory) informations:**
 - ❑ one slide useful to T2.2 task and containing all the available informations about different code release for CPU (MPI, MPI+OpenMP,...) and GPU (MPI+CUDA, MPI+OpenACC,...) including code repositories and already available mini-apps (in the different flavours as above)
 - ❑ one slide containing other useful informations including already planned development, porting, tuning activities (in ChEESE-2P) and/or planned activities external to ChEESE but ChEESE (potentially) related.

T2.2



Presentation roadmap (tentative contents and schedule)

- ❑ **Start with “ChEESE” codes (Mar. 2023).**
- ❑ **Second round with the rest of codes (Apr. 2023).**

No.	Code	Initial Level	Area	Lead	
1	SeisSol	1	Computational seismology Tsunami modeling	LMU	Mar. 2023
2	SPECFEM3D	1	Computational seismology	CNRS	Mar. 2023
3	ExaHyPE	2	Computational seismology Tsunami modeling	TUM	Mar. 2023
4	Tandem	2	Computational seismology	LMU	Apr. 2023
5	xSHELLS	1	Magnetohydrodynamics	CNRS	Mar. 2023
6	HySEA	2	Tsunami modeling	UMA	Mar. 2023
7	FALL3D	2	Volcanology	CSIC	Mar. 2023
8	OpenPDAC	2	Volcanology	INGV	Apr. 2023
9	LaMEM	1	Geodynamics	UM	Apr. 2023
10	pTatin3D	1	Geodynamics	SU	Apr. 2023
11	ELMER/ICE	2	Glacier hazards	CSC	Apr. 2023

