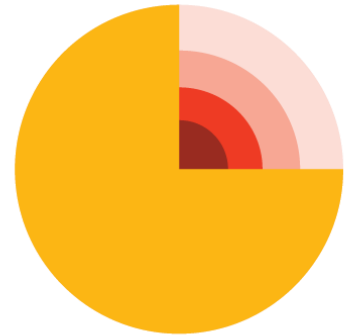


WP2:
Activities and short time goals

p.lanucara@cineca.it

28/11/2023



ChEESE-2P



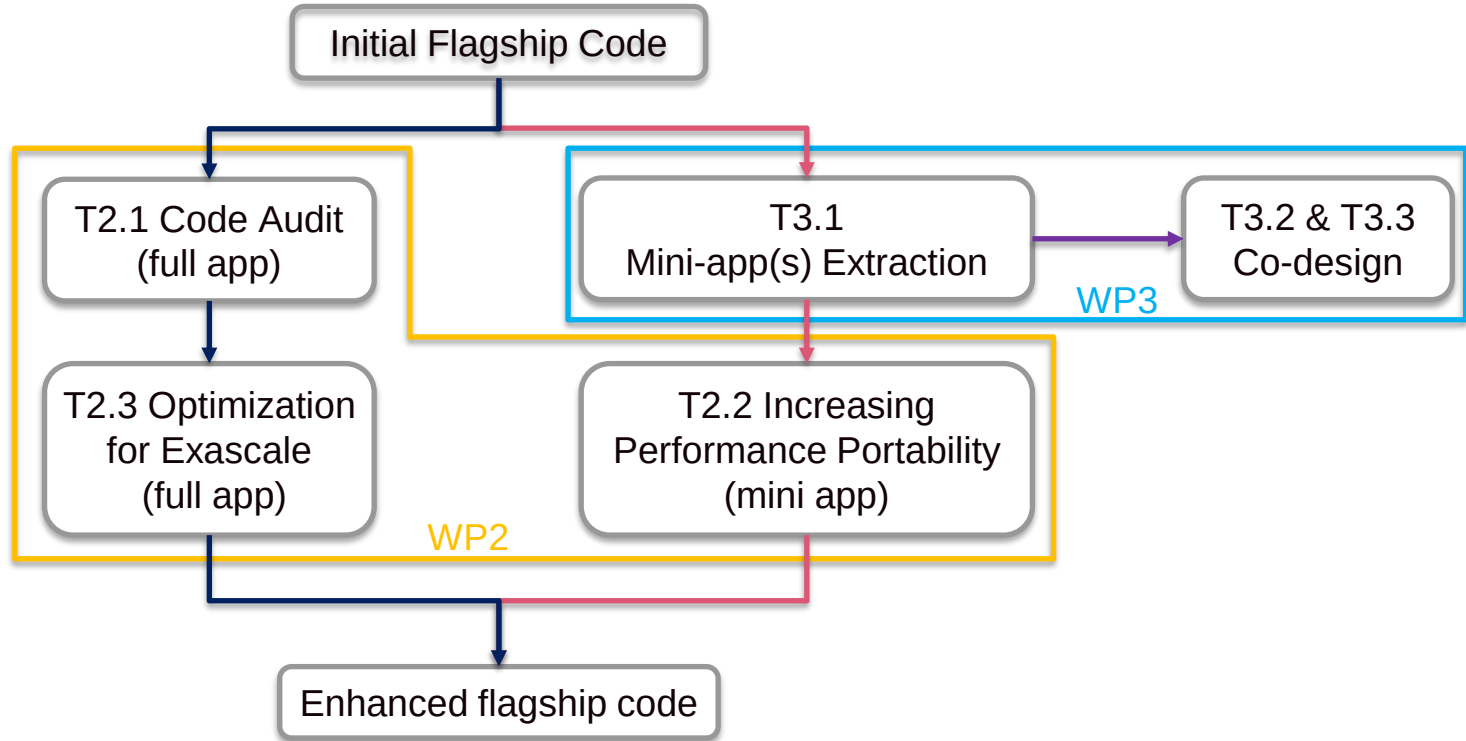
T2.2

Task	Task name	Start	End	Lead
Task 2.1	Code audits	3 (27)	15 (36)	HLRS
Task 2.2	Increasing the performance portability of flagship codes for different accelerators	1	48	CIN
Task 2.3	Optimisation for exascale	6	48	CIN
Task 2.4	Continuous Performance Efficiency Monitoring	18	48	BSC

Highlights of T2.2 in WP2:

- ❑ **Creation of a CINECA-driven extended team acting on flagship codes/mini-apps.**
- ❑ **Maintenance of a detailed workplan used to verify and increase performance portability of flagship codes.**
- ❑ **Accelerate the development of experimental versions targeting multiple accelerator backends (eg. OpenACC, OpenMP Target, Kokkos, SYCL, ...)**

WP2-WP3 Joint Overview



T2.2 update (November 2023)

Mini-apps status: from D3.1 (on-going, to be finalised in December)

Overall activity: from available workplans (on-going)

Codes ready to start

- ❑ Technical meeting (soon. Start from December)
- Creation of a working team including CINECA T2.2 management+code owner(s)
- Creation of a communication channel (shared repo, slack, ...)
- Definition of a performance portability campaign

Codes not yet ready to start

- ❑ **Finalise workplan (soon)**

Performance portability campaign

- ❖ Hardware selection (EuroHPC or other systems)
- ❖ Performance metrics (per code, from D3.1 and from literature)
- ❖ Performance portability metrics (from literature)
- ❖ Runs

Short time goals (WP2. November 2023)

Urgent actions

❑ T2.1

- ❖ HLRS/WP2 MANAGEMENT: D2.1 ToC, format and main topics (including timeline)

❑ T2.2

- ❖ CIN/WP2 MANAGEMENT: agree the content of the draft of T2.2 activity

Other short time goals

❑ WP2

- ❖ ALL: agree the WP2 methodology (slide number 3 of **this** document)

