



HEARTS P1 Review Meeting

25 September 2024

<https://indico.cern.ch/event/1411185/>



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Pablo Lopez, WP1,
CERN

Outline

- WP1 objectives & main achievements during P1
- Overview of WP1 activities in P1
- WP1 Deliverables and Milestones in P1
- Deliverables and Milestones status in P1 at project level
- Use of resources in P1

WP1 objectives & main achievements during P1

- WP1 is Project Management, with CERN as main beneficiary involved in WP1:
 - Ensuring the efficient steering and management of the project throughout its duration with the aim of supervising and coordinating the scientific and technical progress of the different Work Packages.
 - Taking care of the contractual and administrative implementation and keeping track of the use of resources.
 - Supervising the preparation of periodic and final project reports to the European Commission as well as the arrangement of the project annual meetings.
 - Taking over the coordination of beam access for users throughout the project and until the frameworks established in WP7-8 are defined.
- Overall during RP1, good progress has been made towards the achievement of these objectives, with no delay nor issue to report. We can note the expansion of the Consortium with the inclusion of an additional beneficiary, COSYLAB, during P1, demonstrating interest to HEARTS project beyond our (small) consortium.

Overview of WP1 activities in P1

- Organisation of Kick-off meetings:
 - [HEARTS Kick-off Meeting](#), 20 January 2023, at CERN and online
 - [Advisory Panel Kick-off Meeting](#), 9 October 2023, online
- Organisation of management meetings on a regular basis:
 - 4 Project Office Meetings ([PO Meeting #1](#), [PO Meeting #2](#), [PO Meeting #3](#), [PO Meeting #4](#))
 - 1 Governing Board Meeting ([GB Meeting #1](#)) and 1 on-line vote submitted to the GB (Sept. 2023, for inclusion of COSYLAB and application to the Hop-on Facility call)
- Organisation of Annual Meetings:
 - [1st HEARTS Annual Meeting](#) and Technical Review Meeting, 6 February 2024, at CERN and online

Overview of WP1 activities in P1

- Organisation of Work Package Leaders meetings:
 - 5 meetings organised during the period ([WPL Meeting #1](#), [WPL Meeting #2](#), [WPL Meeting #3](#), [WPL Meeting #4](#), [WPL Meeting #5](#)).
- Coordination of two amendments to the Grant Agreement (GA) and one amendment to the Consortium Agreement (CA)
 - GA AMD-101082402-2: Related to minor updates of Annex 1 (addition of CBM vault in WP8 and addition of advisory panel members) and minor changes in Annex 2 (Other goods works and services VS equipment)
 - GA AMD-101082402-4 and CA amendment n°1: Related to COSYLAB joining the consortium → addition of beneficiary n°6 and WP9 (Tools and instruments for standardized dosimetry and user experimentation).

WP1 Deliverables due in P1

Deliv. No.	Deliverable name	Submission date	Status
D1.1	Assessment of high-energy heavy ion operation in CHARM during CERN proton physics periods	2024-07-25	<u>Achieved</u>

The report investigates the feasibility of splitting the 2-3 weeks annual ion run for radiation effects testing purposes in the CERN PS East Area into two slots, as separated as possible in the calendar, with the objective of minimising the time a user has to wait between requesting the beam and being able to execute the experiment. For now, having the HEARTS@CERN ion period at the end of the operational run remains the only viable solution.

The achieved deliverables are available on HEARTS website page:

<https://hearts-project.eu/project/deliverables/>



WP1 Milestones due in P1

Milest. No.	Milestone name	Due date	Status
MS1	Consortium agreement signed	2023-01-31	<u>Achieved</u>
MS2	HEARTS Kick-off Meeting	2023-02-28	<u>Achieved</u>
MS3	Forming of official bodies required by governance	2023-03-31	<u>Achieved</u>
MS4	Appointment of the Advisory Panel	2023-06-30	<u>Achieved</u>
MS5	1st HEARTS annual meeting and interim technical review	2023-12-31	<u>Achieved</u>

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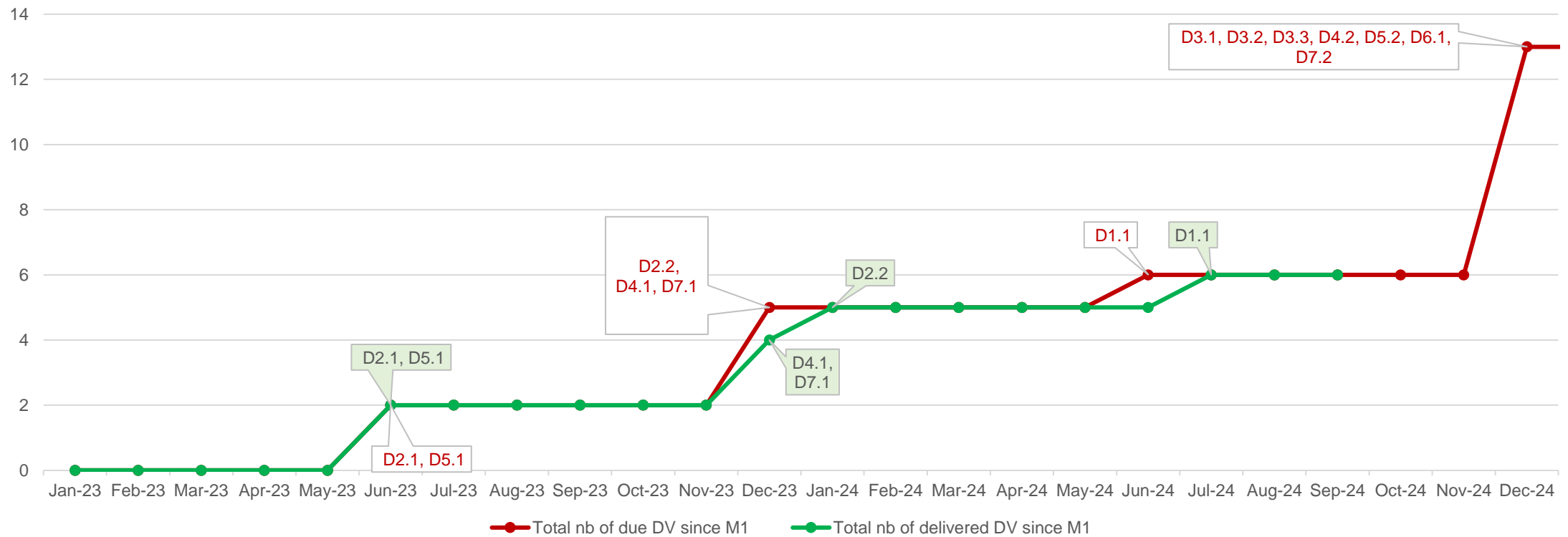
WP1 Upcoming Deliverables and Milestones

Milest. No.	Milestone name	Due date	Status	Comments
MS6	2nd HEARTS annual meeting and interim technical review	2025-02-28	Pending	The meeting will take place at GSI in January – February 2025 (TBC).
MS7	3rd HEARTS annual meeting and interim technical review	2026-03-31	Pending	None
MS8	HEARTS final meeting	2026-12-31	Pending	None

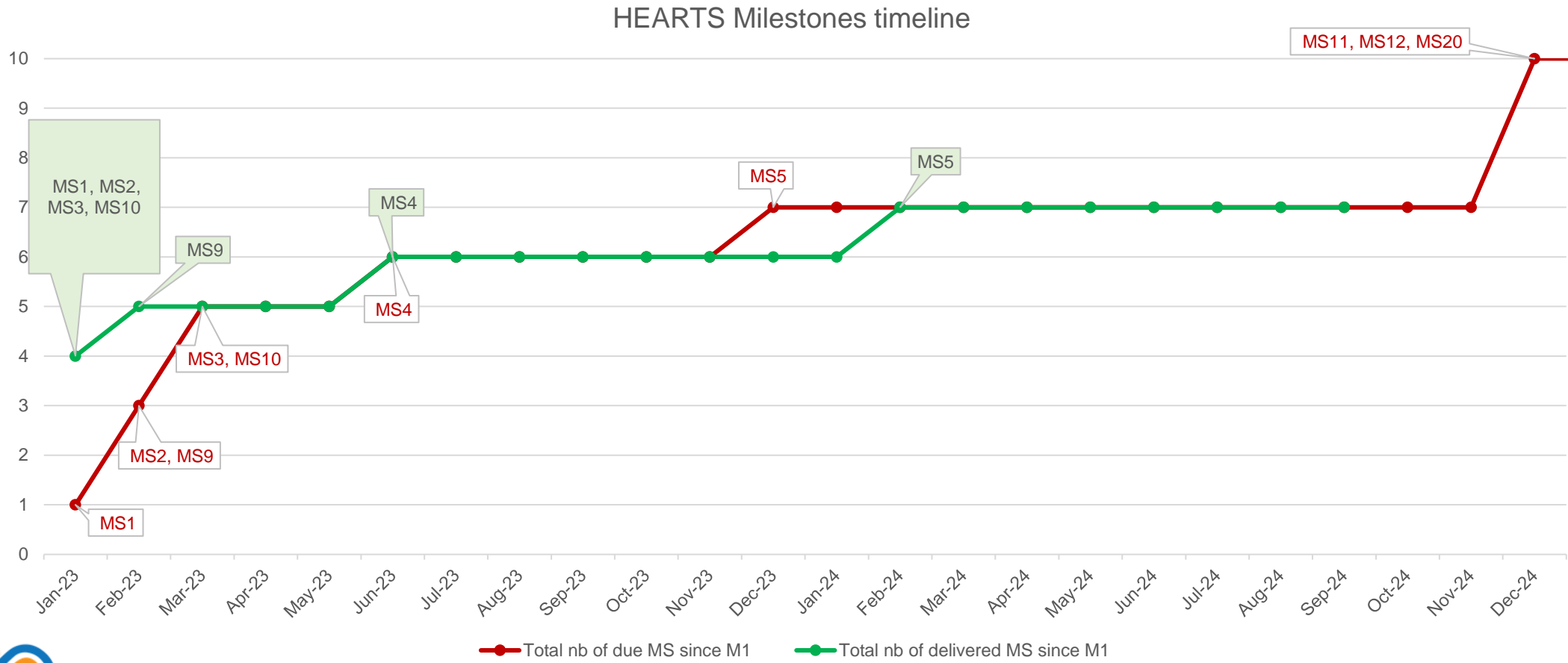
Note: No upcoming deliverables are expected for WP1.

Deliverables and Milestones status in P1 at project level

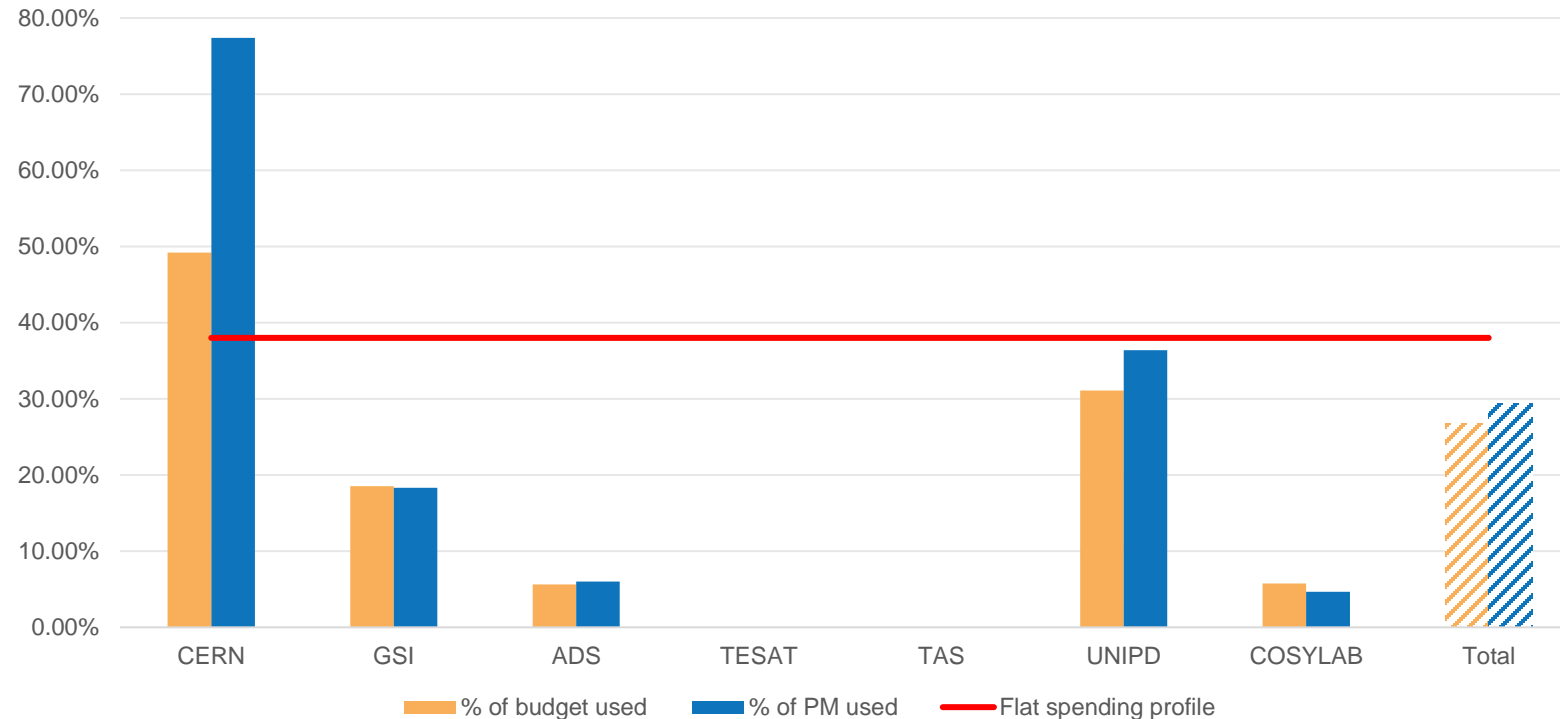
HEARTS Deliverables timeline



Deliverables and Milestones status in P1 at project level



Use of EU resources from M1 to M18 per beneficiary (and affiliated entity)



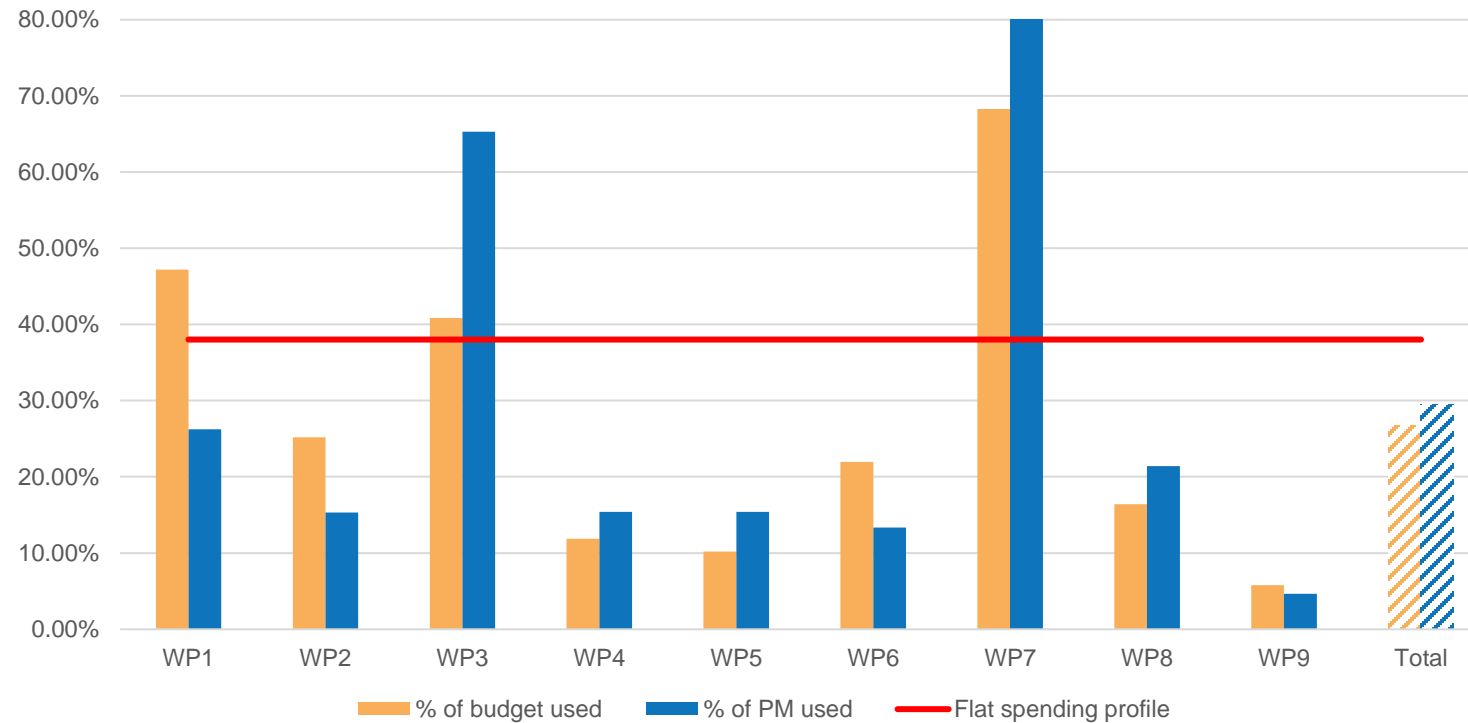
The figure above shows that ADS and COSYLAB are under-using the resources: most of their activities are planned for a later stage in the project.

It is to be noted TAS and TESAT (as affiliated entity to ADS) didn't submit their Financial Statement in due time.

However, at Consortium level, the use of resources is pretty much in line.

The high value of PM for CERN is mainly due to the fact that some activities under WP7 have been performed by lower-grade staff than initially foreseen, requiring more time than more experienced staff to run the activities.

Use of EU resources from M1 to M18 per WP



Some WPs are significantly deviating from the flat spending profile (38%):

WP7 is over-using resources → the facility preparation efforts are not linear, and concentrated in the beginning of the project

WPs 4, 5, 6, 8 are under-using resources → a certain number of tasks are supposed to start at a later stage of the project.

WP9 is under-using resources → accession of COSYLAB in the project in the last third of P1

**Thank you
for your
attention.
Questions?**



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