



HEARTS 1st Annual Meeting

6 February 2024

<https://indico.cern.ch/event/1314502/>



**Funded by
the European Union**

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Pablo Lopez, WP1,
CERN

Contents

- Year 1 in a nutshell

- Year 2 overview

Year 1 in a nutshell (1/5)

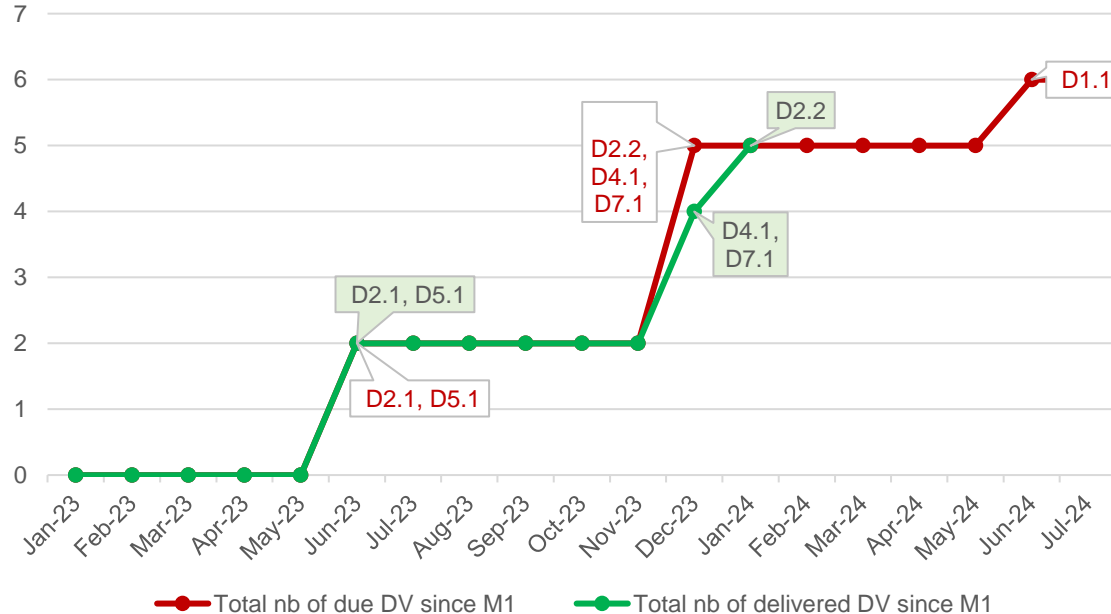
- GA & CA signature
- [HEARTS Kick-off Meeting](#)
- [Advisory Panel appointment](#) (June 30th, 2023) and [Kick-off Meeting](#) (October 9th, 2023)
- [Digital collaboration tools](#): What are they, why and how to use them?



For more information, contact the Project Office hearts-project-office@cern.ch

Year 1 in a nutshell (2/5)

Y1 deliverables overview



D2.1: Communication and dissemination plan

D2.2: Exploitation and data management plan

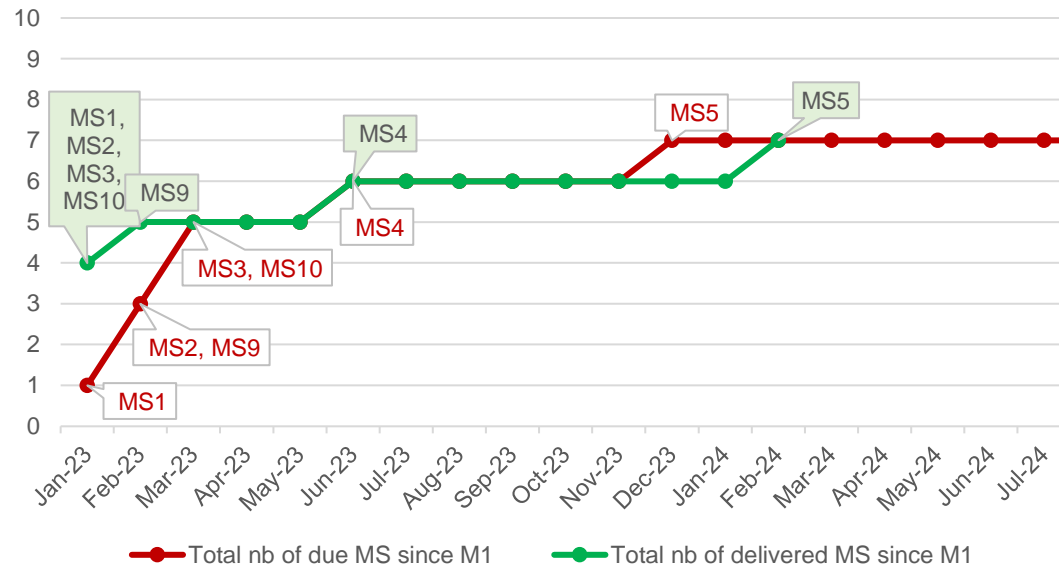
D4.1: Beam instrumentation for high-energy low intensity heavy ion beam characterization

D5.1: Finalised list of beam parameter requirements concurring to establish a TRL 6-7 for the CHARM facility

D7.1: Definition of extraction methodology for parallel use of the heavy ion beamline for different energies

Year 1 in a nutshell (3/5)

Y1 milestones overview



MS1: Consortium Agreement signed

MS2: HEARTS Kick-off Meeting

MS3: Forming of official bodies required by governance

MS4: Appointment of the Advisory Panel

MS5: 1st HEARTS annual meeting and interim technical review

MS9: Project website launched, with update and maintenance plan

MS10: Project social media launched

Year 1 in a nutshell (4/5)

HEARTS-Hop proposal submission

- HEARTS Management Team was contacted by several institutes, asking to join HEARTS Consortium through the Hop-on facility call
- HEARTS Management Team and GSI selected COSYLAB as most appropriate institute to apply with to the Hop-on facility call
- HEARTS Governing Board approved the HEARTS-Hop proposal submission with COSYLAB
- HEARTS-Hop was submitted on September 28th

Year 1 in a nutshell (5/5)

HEARTS-Hop proposal presentation

- COSYLAB team presentation. See WP9 presentation.
- New activities. **Task 9.1: User interface tool for experimentation** and **Task 9.2: User experiment lifecycle interface**. For more information, see WP9 presentation.
- Additional budget: +60k€ for CERN as Coordinator, and +540k€ for COSYLAB as joining beneficiary

Year 2 overview (1/6)

HEARTS-Hop evaluation results

- [Evaluation Summary Report](#). Score: 14/15
- GA & CA amendment to include COSYLAB as new Beneficiary in the HEARTS project
 - Addition of WP9 in the GA Annex 1, and associated Deliverables and Milestones
 - Update of Annex 2 (Estimated budget for the action)
- Actions on COSYLAB and CERN mostly
- Final versions will be shared with the Consortium once signed

Year 2 overview (2/6)

Y2 expected deliverables ([link to website](#))

D1.1	Assessment of high-energy heavy ion operation in CHARM during CERN proton physics periods	WP1	CERN	2024-06-30	Pending
D3.1	Numerical characterization of the CHARM beamline and of detector response	WP3	CERN	2024-12-31	Pending
D3.2	Modelling of shielding materials and configurations for test setup standardisation	WP3	GSI	2024-12-31	Pending
D3.3	GCR/SPE simulator optimizer software	WP3	GSI	2024-12-31	Pending
D4.2	Calibrated CERN beam instrumentation documented and installed in the accelerator	WP4	CERN	2024-12-31	Pending
D5.2	Validation of beam parameter quality of CERN and GSI infrastructures for testing of electronics	WP5	UNIPD	2024-12-31	Pending
D6.1	GCR/SPE simulator setup	WP6	GSI	2024-12-31	Pending
D7.2	Demonstration of the achievements in terms of beam parameters (energy, LET, range, size)	WP7	CERN	2024-12-31	Pending

Year 2 overview (3/6)

Y2 expected milestones ([link to website](#))

M05	1st HEARTS annual meeting and interim technical review	WP1	CERN	2023-12-31	Pending
M11	Release of G4SEE VHE ion tool	WP3	CERN	2024-12-31	Pending
M12	CERN beam instrumentation and dosimetry installed and running	WP4	CERN	2024-12-31	Pending
M20	First external users at CHARM	WP7	CERN	2024-12-31	Pending

Year 2 overview (4/6)

P1 reporting: Deadlines

- Period 1: 01/01/2023 – 30/06/2024
- Periodic Report No. 1 is to be submitted by the end of August 2024
 - Due to the summer break, we will try to anticipate, but latest results until the end of June will have to be included
- Tentative deadlines:
 - Templates and instructions will be sent in May at the latest by HEARTS Management Team to WP Leaders and Beneficiaries contacts
 - 1st version of Technical reports (1 per WP) to be sent back to HEARTS Management Team by **mid-July**
 - Consolidation and possible revisions of Tech. reports for final versions ready by **mid-August**
 - Financial Statements to be submitted by late July
 - Consolidation and possible revisions of Financial Statements until mid-August

Year 2 overview (5/6)

P1 reporting: Technical part (*the templates per WP are available [here](#)*):

1. Explanation of the work carried out and overview of the progress
2. Follow-up of recommendations and comments from previous review(s) (if applicable)
3. Exploitation primarily in non-associated third countries (if applicable)
4. Open science
5. Deviations from Annex 1 and Annex 2 (if applicable)
6. References
7. Annexes

Year 2 overview (6/6)

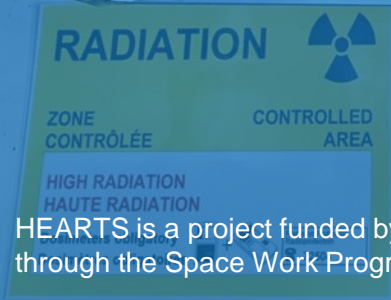
P1 reporting: Financial part

- 1 Excel file per Beneficiary, detailed at WP level, for internal follow-up
- 1 Financial Statement per Beneficiary, on the [EC Portal](#), for reporting to the EU Agency
- Deviations we will ask you to explain:
 - Any under-use or over-use of budget, at WP level (>15% deviation)
 - Any purchase costs above 15% of personnel costs
 - Any deviation from the estimated average personnel costs (= personnel costs / PM)

Questions?



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