Deliverables and Milestones status

L. Celona, CERN ATS-DO Scientific Associate

21-22 October 2025

I.FAST in numbers

Start Project: 01/05/2021

Project Duration: 54 months (Finish date: 31 October 2025)

48 Beneficiaries from 14 different countries:
- 33 Research centers and universities
- 15 Hight Tech companies from 8 countries

14 Work Packages – 57 Tasks

54 Deliverables (only 3 missing)

63 Milestones (only 1 missing)

Task reports need to be prepared accordingly to the template

EUROPEAN COMMISSION
Directorate-General for Research and Innovation
Research & Innovation Outreach
Research & Industrial Infrastructures

GRANT AGREEMENT

NUMBER 101004730 — I.FAST

This **Agreement** ('the Agreement') is **between** the following parties:

on the one part,

the **European Union** ('the EU'), represented by the European Commission ('the Commission'), represented for the purposes of signature of this Agreement by HoU, Directorate-General for Research and Innovation, Innovative Administration, Financial Management & Program Support I, Pascale CID,

and

on the other part,

1. 'the coordinator':

EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH (CERN), established in ESPLANADE DES PARTICULES 1 PARCELLE 11482 DE MEYRIN BATIMENT CADASTRAL 1046, GENEVA 23 1211, Switzerland, represented for the purposes of signing the Agreement by Director for Accelerators & Technology, Mike Lamont

and the following other beneficiaries, if they sign their 'Accession Form' (see Annex 3 and Article 56):

2. **EUROPEAN SPALLATION SOURCE ERIC (ESS)**, established in ODARSLOVSVAGEN 113, LUND 224 84, Sweden, VAT number: SE768200001801,

3. **RHP TECHNOLOGY GMBH (RHP)**, established in FORSCHUNGSZENTRUM SEIBERSDORF GEBAUDE CA, SEIBERSDORF AN DER LEITHA 2444, Austria, VAT number: ATU65976349,

4. **TALLINNA TEHNIKAÜLIKOOL (TalTech)**, established in Ehitajate tee 5, TALLINN 19086, Estonia, VAT number: EE100224841,

5. **BERGOZ INSTRUMENTATION (BI)**, established in ESPACE ALLONDON OUEST, SAINT GENIS POUILLY 01630, France, VAT number: FR38414997130,

6. **COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES (CEA)**, established in RUE LEBLANC 25, PARIS 15 75015, France, VAT number: FR43775685019,

7. **CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS (CNRS)**, established in RUE MICHEL ANGE 3, PARIS 75794, France, VAT number: FR40180089013,

8. **SYNCHROTRON SOLEIL SOCIETE CIVILE (SOLEIL)**, established in L ORME DES MERISIERS, SAINT AUBIN 91190, France, VAT number: FR27439684903,

9. **THALES AVS FRANCE SAS (THALES)**, established in 75-77 AVENUE MARCEL DASSAULT, MERIGNAC 33700, France, VAT number: FR65612039495,

10. **BILFINGER NOELL GMBH (BNG)**, established in ALFRED NOBEL STRASSE 20, WURZBURG 97080, Germany, VAT number: DE211420259,

11. **BARTHEL HF-TECHNIK GMBH (BT)**, established in WALKMUEHLENSTRASSE 16, AACHEN 52074, Germany, VAT number: DE258300302,

12. **STIFTUNG DEUTSCHES ELEKTRONEN-SYNCHROTRON DESY (DESY)**, established in NOTKESTRASSE 85, HAMBURG 22607, Germany, VAT number: DE118714904,

13. **GSI HELMHOLTZZENTRUM FUER SCHWERIONENFORSCHUNG GMBH (GSI)**, established in PLANCKSTRASSE 1, DARMSTADT 64291, Germany, VAT number: DE111671917,

14. **HEIDELBERGER IONENSTRAHL THERAPIE (HIT) BETRIEBS GESELLSCHAFT AM UNIVERSITATSKLINIKUM HEIDELBERG MIT BESCHRANKTER HAFTUNG (HIT)**, established in IM NEUENHEIMER FELD 450, HEIDELBERG 69120, Germany, VAT number: DE238142708,

15. **HELMHOLTZ-ZENTRUM BERLIN FUR MATERIALIEN UND ENERGIE GMBH (HZB)**, established in HAHN MEITNER PLATZ 1, BERLIN 14109, Germany,

16. **INSTITUT FUR LUFT UND KALTETECHNIK GEMEINNUTZIGE GESELLSCHAFT MBH (ILK)**, established in BERTOLT BRECHT ALLEE 20, DRESDEN 01309, Germany, VAT number: DE140128898,

17. **KARLSRUHER INSTITUT FUER TECHNOLOGIE (KIT)**, established in KAISERSTRASSE 12, KARLSRUHE 76131, Germany, VAT number: DE266749428,

18. **UNIVERSITAET SIEGEN (USI)**, established in ADOLF REICHWEIN STRASSE 2A, SIEGEN 57076, Germany, VAT number: DE154854171,

19. **WESTFAELISCHE WILHELMS-UNIVERSITAET MUENSTER (WWU)**, established in SCHLOSSPLATZ 2, MUENSTER 48149, Germany, VAT number: DE126118759,

20. **WIGNER FIZIKAI KUTATOKOZPONT (Wigner RCP)**, established in Konkoly Thege Miklos ut 29-33, Budapest 1121, Hungary, VAT number: HU15327064,

21. **CONSIGLIO NAZIONALE DELLE RICERCHE (CNR)**, established in PIAZZALE ALDO MORO 7, ROMA 00185, Italy, VAT number: IT02118311006,

22. **CO.ME.B. S.R.L. (COMEB)**, established in VIA EMILIANO SARTI 36/38, ROME 00124, Italy, VAT number: IT08338281002,

23. **ELETTRA - SINCROTRONE TRIESTE SCPA (ELETTRA)**, established in SS 14 KM 163.5 AREA SCIENCE PARK, BASOVIZZA TRIESTE 34149, Italy, VAT number: IT00697920320,

24. **ISTITUTO NAZIONALE DI FISICA NUCLEARE (INFN)**, established in Via Enrico Fermi 54, FRASCATI 00044, Italy, VAT number: IT04430461006,

25. **KYMA SRL (KYMA)**, established in BASOVIZZA S.S. 14 KM 163.5, TRIESTE 34149, Italy, VAT number: IT01131640326,

26. **PICCOLI SRL (PICCOLI)**, established in VIA EINSTEIN 6, NOALE 30033, Italy, VAT number: IT02994460273,

27. **POLITECNICO DI MILANO (POLIMI)**, established in PIAZZA LEONARDO DA VINCI 32, MILANO 20133, Italy, VAT number: IT04376620151,

28. **RIGAS TEHNISKA UNIVERSITATE (RTU)**, established in KALKU IELA 1, RIGA 1658, Latvia, VAT number: LV90000068977,

29. **UNIVERSITEIT TWENTE (UT)**, established in DRIENERLOLAAN 5, ENSCHEDE 7522 NB, Netherlands, VAT number: NL002946725B01,

30. **VDL ETG PRECISION (VDL-ETG)**, established in HURKSESTRAAT 13, EINDHOVEN 5652 AH, Netherlands, VAT number: NL810473355B01,

31. **INSTYTUT CHEMII I TECHNIKI JADROWEJ (INCT)**, established in ul. Dorodna 16, WARSZAWA 03-195, Poland, VAT number: PL5250008330,

32. **Institute of Electrical Engineering, Slovak Academy of Sciences (IEE)**, established in Dubravska 9, Bratislava 841 04, Slovakia, VAT number: SK2020795821,

33. **SLOVENSKA TECHNICKA UNIVERZITA V BRATISLAVE (STU)**, established in VAZOVOVA 5, BRATISLAVA 81243, Slovakia, VAT number: SK2020845255,

34. **CENTRO DE INVESTIGACIONES ENERGETICAS, MEDIOAMBIENTALES Y TECNOLOGICAS-CIEMAT (CIEMAT)**, established in Avenida Complutense 40, MADRID 28040, Spain, VAT number: ESQ2820002J,

35. **CYCLOMED TECHNOLOGIES SL (CYCLOMED)**, established in C/ ANTONIO CAVERO 93, MADRID 28043, Spain, VAT number: ESB88348834,

36. **ELYTT ENERGY SL (ELYTT)**, established in POLIGONO BILDOSOLA AUZUNEA INDUSTRIALGUNE PARCE-LA, ARTEA 48142, Spain, VAT number: ESB95235495,

37. **NANOKER RESEARCH SL (NNK)**, established in POLIGONO DE OLLONIEGO 5 PARCELLA 22 NAVE 5, OVIEDO 33660, Spain, VAT number: ESB74255902,

38. **GEMS PET SYSTEMS AKTIEBOLAG (GE)**, established in HUSBYBORG, UPPSALA 752 29, Sweden, VAT number: SE556193784701,

39. **SCANDITRONIX MAGNET AB (Scanditronix)**, established in Olvägen 28, Vislanda 342 50, Sweden, VAT number: SE556224610701,

40. **UPPSALA UNIVERSITET (UU)**, established in VON KRAEMERS ALLE 4, UPPSALA 751 05, Sweden, VAT number: SE202100293201,

41. **PAUL SCHERRER INSTITUT (PSI)**, established in FORSCHUNGSTRASSE 111, VILLIGEN PSI 5232, Switzerland, VAT number: CHE116133392MWST,

42. **DIAMOND LIGHT SOURCE LIMITED (DLS)**, established in DIAMOND HOUSE HARWELL SCIENCE & INNOVATION CAMPUS CHILTON, DIDCOT 0X11 0DE, United Kingdom, VAT number: GB794998239,

43. **UNIVERSITY OF HUDDERSFIELD (HUD)**, established in QUEENSGATE, HUDDERSFIELD HD1 3DH, United Kingdom, VAT number: GB516310190,

44. **ROYAL HOLLOWAY AND BEDFORD NEW COLLEGE (RHUL)**, established in EGHAM HILL UNIVERSITY OF LONDON, EGHAM TW20 0EX, United Kingdom, VAT number: GB212327410,

45. **TMD TECHNOLOGIES LIMITED (TMD)**, established in SWALLOWFIELD WAY UNIT 3, HAYES UB31DQ, United Kingdom, VAT number: GB662953704,

46. **UNITED KINGDOM RESEARCH AND INNOVATION (UKRI)**, established in POLARIS HOUSE NORTH STAR AVENUE, SWINDON SN2 1FL, United Kingdom, VAT number: GB287461957,

47. **UNIVERSITY OF LANCASTER (ULANC)**, established in BAILRIGG, LANCASTER LA1 4YW, United Kingdom, VAT number: GB604609849,

48. **THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF OXFORD (UOXF)**, established in WELLINGTON SQUARE UNIVERSITY OFFICES, OXFORD OX1 2JD, United Kingdom, VAT number: GB125506730,

Unless otherwise specified, references to 'beneficiary' or 'beneficiaries' include the coordinator.

The parties referred to above have agreed to enter into the Agreement under the terms and conditions below.

By signing the Agreement or the Accession Form, the beneficiaries accept the grant and agree to implement it under their own responsibility and in accordance with the Agreement, with all the obligations and conditions it sets out.

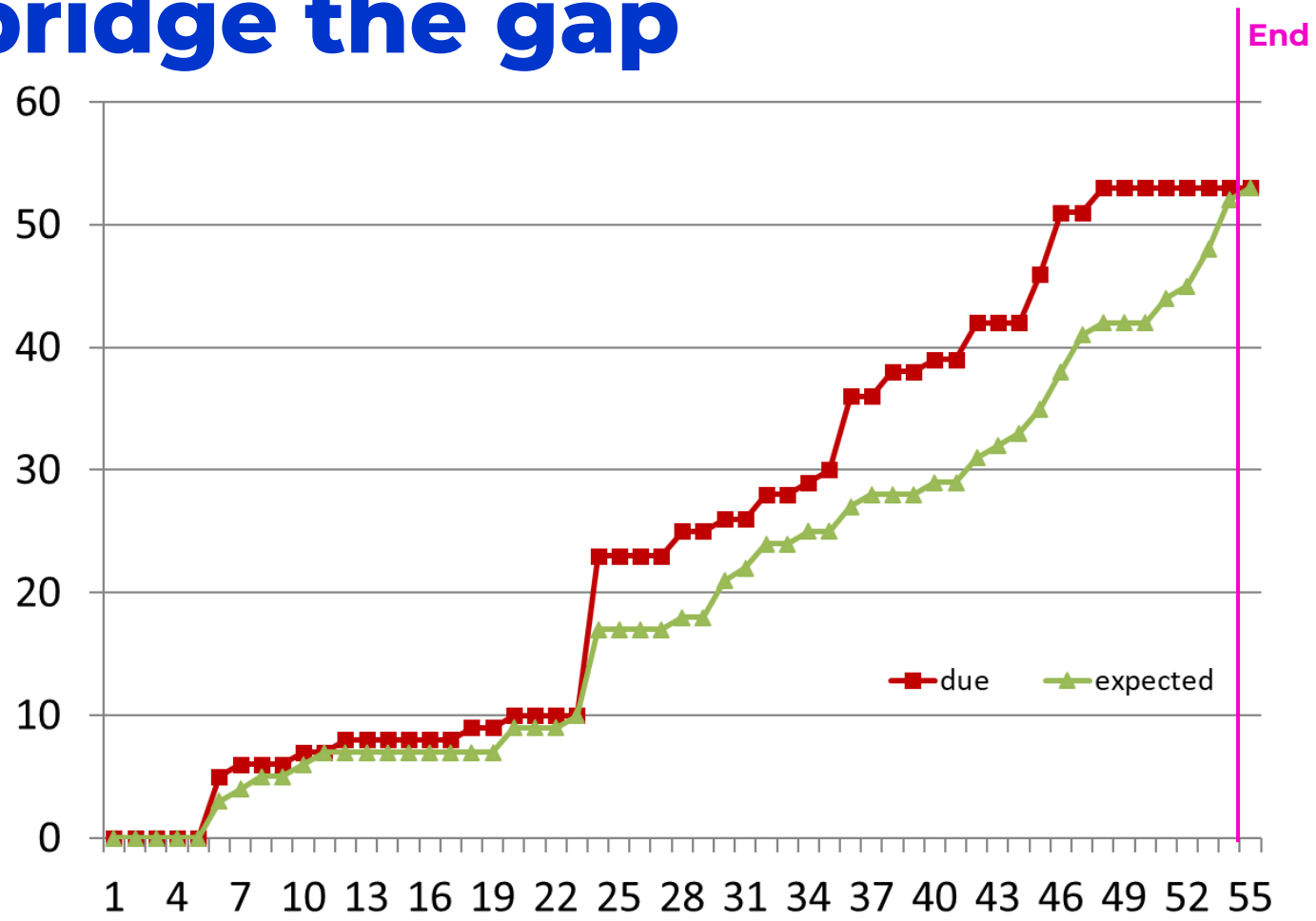
Deliverables: status of documentation

ID	Title	Resp.	M old	M new	Due	Reference	Expected	Task/Ref MS	STATUS	NOTES	Dicussion at I.FAST meeting
D2.3	Industrial training scheme	UU	24	52	**31/08/2025**	T. Ekelof		2.4	**Received**		
D5.1	International collaboration plans towards a multi-TeV muon collider	INFN	46	46	28/02/2025	N. Pastrone		5.1/MS16	**Received**		
D7.3	Longitudinally variable bend prototype fabrication	CERN	40	51	31/07/2025	Y. Papaphillippou	**Mid October**	7.3/MS27	**Received without the paragrah of the assembly to be added.**	Mail 30/09- **Completion of magnet assembly@KYMA shortly** -Production of a full length variable dipole field magnet including a transverse gradient for reducing emittance of the ELETTRA storage ring.	**Plan confirmation.** Who will take care of magnetic measurements at ELETTRA?
D7.5	Construction of the XLS accelerating structure pre-prototype	ELETTRA	24	44	31/12/2024	G. D'Auria		7.5	**Received.**		
D7.6	Construction of the XLS accelerating structure full prototype	ELETTRA	36	50	30/06/2025	G. D'Auria	End November	7.5/MS30	PENDING	Call29/09 -Structure will be brased on Nov. 19th at PSI. Measures just after at PSI too.	**Plan confirmation.** Who will take care of RF measuremtns at PSI?
D8.4	Construction of combined CCT demonstrator	INFN	42	50	30/06/2025	E. de Matteis	27th October	8.4/MS34	Completion in progress	Mail 2/10 - Delay in processing of CCT type winding mandrels	
D8.5	Construction of HTS CCT demonstrator	INFN	38	54	31/10/2025	E. de Matteis	27th October	8.5	Completion in progress	Mail 2/10 - Delay in processing of CCT type winding mandrels. CCT based on HTS.	
D9.2	RF test on coated resonant cavity	INFN	46	**50**	**30/06/2025**	O. Malyshev	**End of October**	9.2	**Received without the paragraph of RF results to be added.**	Mail Cristian 29/09 -Bulk Nb cavity used in one of the previous projects stored at UKRI/STFC. Cavity sent to CEA for surface preparation and back to STFC for Nb3SN coating. Customs took about 3 months. Cavity arrived to HZB on 15 september.	**Plan confirmation.** Who will take care of RF measurements?
D9.3	First 6 GHz cavity coated and characterised	UKRI	36	**50**	**30/06/2025**	R. Valizadeh		9.3	**Received**		
D9.5	1.3 GHz Nb-coated cavity irradiated by laser in argon atmosphere and RF tested	RTU	45	**51**	**28/02/2025**	Arturs Medvids		9.5	**Received.** Delivery report D9.5 includes all technological steps excluding the RF test that will be excluded (see notes).	Cu cavity production (Piccoli), inner surface polishing at INFN, Nb coating at UKRI/STFC and Later treatment at RTU. Not suitable for standard RF testing with LHe as cannot be sealed. The participation of partner PTI (Belarus) was suspended from IFAST in 2022. PTI was expected to provide an in-kind contribution that could not be accommodated within the WP budget	
D11.3	Prototype adjustable PM quadrupole and combined function magnets	UKRI	28	**46**	**28/02/2025**	B. Sheperd		11.3/MS56	**Received**		

3 deliverables missing: 2 expected within October (D8.4, D8.5).
1 expected within November (D7.6)

D7.3 and D9.2 received with one paragraph missing.

Status of Deliverables: how to bridge the gap



51 of 54 deliverables collected.

3 deliverables missing: 2 expected within October (D8.4, D8.5).
1 expected within November (D7.6)

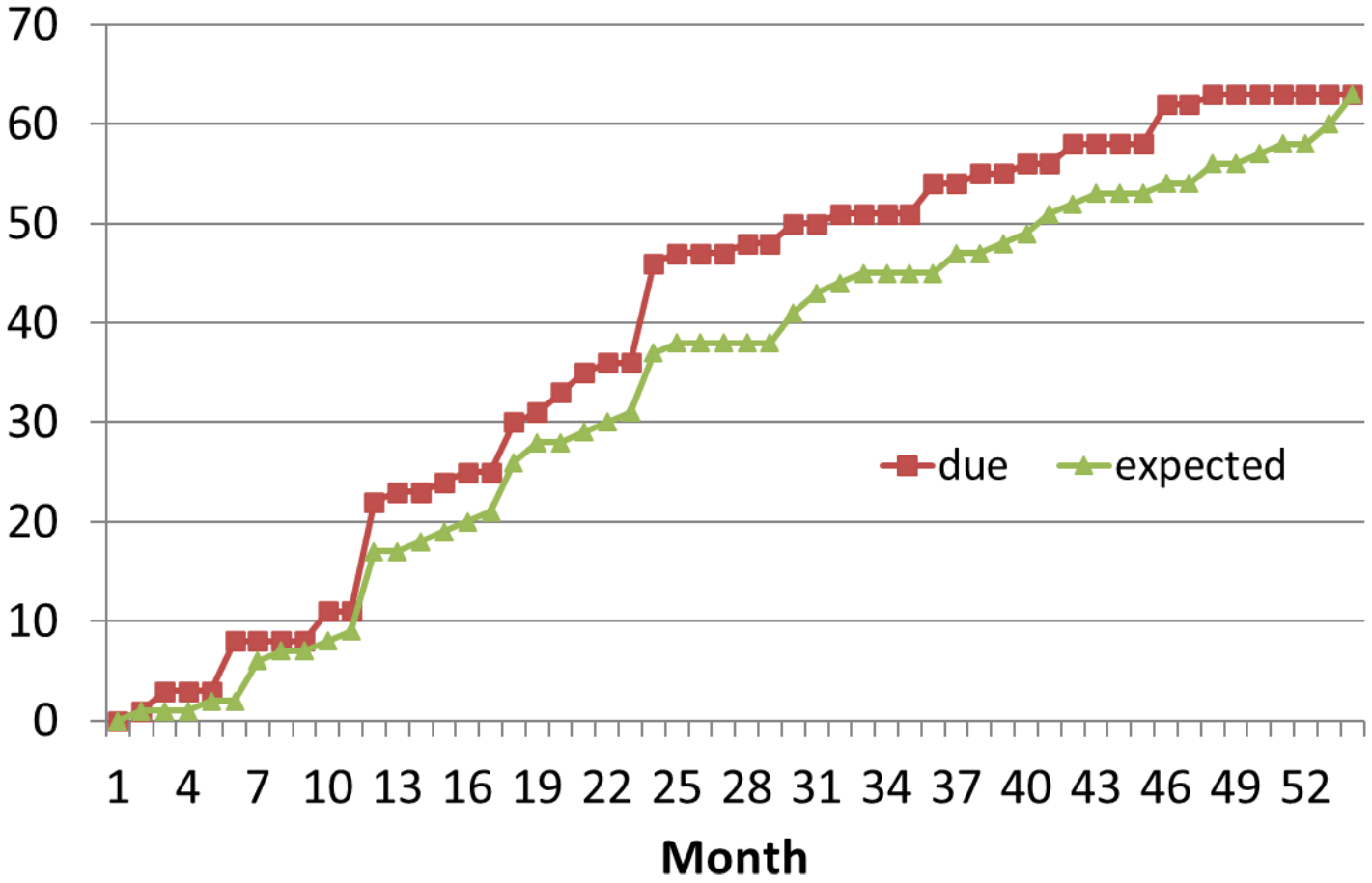
Del. no.	Deliverable name	WP no.	Task	Planned delivery date (m)	Due date (d/m/y)
D1.1	RI Co-Innovation platform MoU	1	1.4	6	31/10/21
D1.2	Internal communication Plan	1	1.3	6	31/10/21
D2.1	Communication strategy	2	2.2	6	31/10/21
D8.1	HTS European Strategy Group	8	8.1	6	31/10/21
D14.1	POPD - Requirement No 1 - Data Protection	14	14.1	6	31/10/21
D14.2	POPD - Requirement No 2 - Health and Safety procedures	14	14.2	7	30/11/21
D8.2	Conceptual Design of curved *(combined function)* CCT in LTS	8	8.2	10	28/02/22
D10.3	Additive-manufactured SRF cavities	10	10.3	12	30/04/22
D8.3	First Engineering design of HTS demonstrator	8	8.3	18	31/10/22
D4.1	Evaluation criteria for IIF projects, and Evaluation Body	4	4.1	20	31/12/22
D2.2	Challenge-Based Innovation scheme	2	2.3	24	30/04/23
D2.3	Industrial training scheme	2	2.4	24	30/04/23
D4.2	IIF Projects awarding	4	4.2	24	30/04/23
D4.4	Production of large-size CCM plates	4	4.4	24	30/04/23
D6.3	Electron acceleration experiments with new targets	6	6.3	24	30/04/23
D7.5	Construction of the XLS accelerating structure pre-prototype	7	7.5	24	30/04/23
D10.2	Survey of AM applications and strategies for repairing component by AM	10	10.2	24	30/04/23
D10.6	Electro-optic performance report	10	10.6	24	30/04/23
D12.2	Basic engineering of e-beam sludge processing line	12	12.2	24	30/04/23
D12.3	Prototype of Internal RF Ion Source for Cyclotrons	12	12.3	24	30/04/23
D13.1	Strategy for the development of the AMICI	13	13.1	24	30/04/23
D13.2	Report on the development and promotion of services to industry	13	13.2	24	30/04/23
D13.3	GaN RF amplifier module at kW level	13	13.3	24	30/04/23
D11.3	Prototype adjustable PM quadrupole and combined function magnets	11	11.3	28	31/08/23
D12.1	Strategy for Implementing Novel Societal Applications of Accelerators	12	12.1	28	31/08/23
D10.1	Potential AM applications in accelerators	10	10.1	30	31/10/23
D4.3	Beam-windows prototypes	4	4.3	32	31/12/23
D8.6	Fast-cycling Nuclotron HTS cable design	8	8.6	32	31/12/23
D10.5	Technical Report on machine learning at ESS	10	10.5	34	28/02/24
D9.1	Thin-Film SRF roadmap report	9	9.1	35	31/03/24
D3.2	Business development case report	3	3.2	36	30/04/24
D3.3	Report on extended industrial contributions in R&D activities	3	3.3	36	30/04/24
D6.4	Improvement of the laser intensity stability on target	6	6.4	36	30/04/24
D7.6	Construction of the XLS accelerating structure full prototype	7	7.5	36	30/04/24
D9.3	First 6 GHz cavity coated and characterised	9	9.5	36	30/04/24
D10.4	First PSD data from NEG coating	10	10.5	36	30/04/24
D11.2	Klystron prototype completed and validated	11	11.2	45	25/01/25
D7.4	Mechanical realization and low power RF test of the two RF guns	7	7.4	38	30/06/24
D8.4	Construction of **combined** CCT demonstrator	8	8.4	38	30/06/24
D7.3	Longitudinally variable bend prototype fabrication	7	7.3	40	31/08/24
D5.2	Roadmap for future accelerators	5	5.2	42	31/10/24
D8.5	Construction of HTS CCT demonstrator	8	8.5	42	31/10/24
D6.1	EAAC workshops and strategies	6	6.1	42	31/10/24
D9.5	1.3 GHz Nb-coated cavity irradiated by laser in argon atmosphere and RF tested	9	9.5	45	31/01/25
D11.1	Sustainable Accelerators report	11	11.1	45	31/01/25
D7.2	Report on enabling technology for ultralow emittance ring	7	7.2	45	31/01/25
D5.1	International collaboration plans towards a multi-TeV muon collider	5	5.1	46	28/02/25
D6.2	LASPLA Strategy	6	6.2	46	28/02/25
D9.2	RF test on coated resonant cavity	9	9.2	46	28/02/25
D9.6	Test of thin-film samples	9	9.6	46	28/02/25
D5.3	Ripple mitigation for slow extraction beam quality improvement	5	5.3	46	28/02/25
D9.4	Deposition of SC multilayers on cavities	9	9.4	46	28/02/25
D7.1	Final report on the development of high brightness electron beams for light sources	7	7.1	48	30/04/25

Milestones: status of documentation

ID	Title			Month	Due	Reference	Expected	STATUS	NOTES
MS12	IIF Projects final progress	4.2	28/02/2025	46		L. Garolfi		**Received**	
MS16	International workshop to define R&D plans	5.1	30/04/2024	36		N. Pastrone		**Received**	
MS19	Ultimate hadron-beam brightness	5.2	30/04/2025	48		F. Zimmermann		**Received**	
MS27	**Prototype acceptance tests**	**7.3**	**28/02/2025**	**46**	**28/02/2025**	**Y. Papaphillippou**	**End October**	**PENDING**	**Mail 30/09 - Completion of magnet assembly@KYMA and shipping to ELETTRA for magnetic measurements shortly.**
MS29	High-power test stand setup and final results of the high-power tests	7.4	28/02/2025	46		D. Alesini		**Received**	
MS30	Construction and RF tests of CompactLight accelerating structure prototype	7.5	31/01/2023	48		G. D'Auria		**Received**	RF tests and metrology of the *prototype brased at TMD and measured at CERN* . Full prototype data to be reported on D7.6
MS34	Construction of the combined formers for CCT winding	8.4	31/12/2023	32		E. De Matteis		**Received**	
MS56	Magnets constructed and tested	11.3	31/05/2023	38		B. Sheperd		**Received.**	Milestone based on KYMA document of the HEPTO construction. Magnetic measurements in D11.3

MS27 expected for end of October

Milestones: status of documentation



62 of 63 milestones collected.

Only MS27 missing and expected to be received at end of October.

Milestone no.	Milestone name	Task	Planned delivery date (m)	Due date (d/m/y)
MS4	WP2 task leaders' kick-off meeting	2.1	2	30/06/21
MS1	Information Flow management tool installed	1.2	3	31/07/21
MS2	Dissemination plan ready	1.3	3	31/07/21
MS7	Expert Committee set up and industrial training scheme call organised	2.4	6	31/10/21
MS8	Industry Advisory Board launch	3.1	6	31/10/21
MS32	Characterization of the first length of superconductor for low losses	8.2	6	31/10/21
MS42	ARIES samples prepared for renewed SC film deposition	9.6	6	31/10/21
MS50	Workshop on energy for sustainable science at research infrastructures, at ESRF	11.1	6	31/10/21
MS9	I.FAST KT Report ready	3.2	10	28/02/22
MS33	Conceptual design of HTS magnet	8.3	10	28/02/22
MS57	Projects identification for development funding	12.1	10	28/02/22
MS14	Evaluation of a CCM alternative to Molybdenum-Graphite	4.4	12	30/04/22
MS23	Target manufacturing and characterization	6.3	12	30/04/22
MS6	Definition of CBI scheme: proposed topic and organisation at ESI	2.3	12	30/04/22
MS38	First seamless copper 1.3 GHz cavity produced as substrate for the coating of the SC film	9.2	12	30/04/22
MS39	Coating facility built and tested at STFC, USI and INFN	9.3	12	30/04/22
MS43	Dissemination and communication plan	10.1	12	30/04/22
MS46	Performance of Superconductive Cavities made by AM technology by Nb or Cu with Nb thin spattered fi	10.4	12	30/04/22
MS47	First NEG coated samples are installed on SR beamline at DLS and Soleil	10.5	12	30/04/22
MS49	Delivery of an electro-optic waveguide prototype for demonstration at RHUL test bench	10.7	12	30/04/22
MS55	Design review	11.2	12	30/04/22
MS63	Demonstration of operation with high efficiency and nominal power of the first GaN amplifier	13.3	12	30/04/22
MS51	Workshop on efficient RF sources	11.1	13	31/05/22
MS62	Central information and contact point operational	13.2	15	31/07/22
MS13	First characterisation of beam windows materials under thermomechanical load and extended radiation	4.3	16	31/08/22
MS5	ACO workshop	2.2	18	31/10/22
MS15	International workshop on muon source design	5.1	18	31/10/22
MS17	Beam requirements for dark-sector searches	5.2	18	31/10/22
MS48	ML model selection and implementation plan	10.6	18	31/10/22
MS53	Workshop on sustainable materials and lifecycle management for accelerators	11.1	18	31/10/22
MS60	First Plasma achieved on the prototype.	12.3	19	30/11/22
MS10	Collection of feedback from industrial partners and RIs participating in IFAST	3.3	20	31/12/22
MS31	Construction readiness of curved CCT demonstrator	8.1	20	31/12/22
MS30	Construction and RF tests of CompactLight accelerating structure prototype	7.5	21	31/01/23
MS61	Organization of the workshop	13.1	21	31/01/23
MS52	Workshop on efficient magnet- and RF power supplies	11.1	22	28/02/23
MS18	Present and future AI accelerator applications	5.2	24	30/04/23
MS20	Engineering design of improved power supply current measurement and RF-amplifier layout	5.3	24	30/04/23
MS21	Report on the novel accelerator landscape in Europe, facilities, projects and capabilities at the beginnin	6.1	24	30/04/23
MS24	Hypothesis on the causes of the instabilities of the focal spot profile	6.4	24	30/04/23
MS26	Magnet specifications based on optics calculations for ELETTRA. Magnetic and mechanical design includi	7.3	24	30/04/23
MS28	Electromagnetic and mechanical design of the two guns	7.4	24	30/04/23
MS36	HTS Nuclotron cable produced	8.6	24	30/04/23
MS40	Construction and operation of the cavity dedicated ALD system	9.4	24	30/04/23
MS45	Survey on current AM repair technologies for accelerator and list of possible applications	10.3	24	30/04/23
MS59	Approval of basic engineering	12.2	24	30/04/23
MS56	Magnets constructed and tested	11.3	25	31/05/23
MS37	International thin film workshop organization	9.1	28	31/08/23
MS44	Survey on current AM applications in accelerators and expected new developments	10.2	30	31/10/23
MS22	LASPLA Workshop/School	6.2	30	31/10/23
MS34	Construction of the combined formers for CCT winding	8.4	32	31/12/23
MS11	IIF Projects interim progress	4.2	36	30/04/24
MS16	International workshop to define R&D plans	5.1	36	30/04/24
MS41	A facility for laser operation for complex 3D treatment is tested on 1.3 GHz cavity	9.5	36	30/04/24
MS35	Test of mock up coils with dummy cable	8.5	38	30/06/24
MS58	Completion of strategy documents for each application area	12.1	40	31/08/24
MS25	General workshop on Task7.2 activity summary	7.2	42	31/10/24
MS54	Workshop on industrial approaches for sustainable accelerators	11.1	42	31/10/24
MS3	Recommendations of RI-INNOV Coordination Group	1.1	46	28/02/25
MS12	IIF Projects final progress	4.2	46	28/02/25
MS27	Prototype acceptance tests	7.3	46	28/02/25
MS29	High-power test stand setup and final results of the high-power tests	7.4	46	28/02/25
MS19	Ultimate hadron-beam brightness	5.2	48	30/04/25

EC loves paperwork

Task reports!

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Innovation Fostering in Accelerator Science and Technology

Horizon 2020 Research Infrastructures GA n° 101004730

TASK PROGRESS REPORT

Period 3 (1.05.2024-31.10.2025)

Work package:	WP2: Training, communications and outreach for accelerator science and technology in Europe
Task:	Task 2.1: Management
Lead beneficiary:	UOXF
Author:	P. Burrows

Period covered by the report: from 1 May 2024 to 31 October 2025

Periodic report: Period 3

Instructions are highlighted in green

In yellow are the parts that you have to write

Impact

Summarise the overall Impact of your Task at the end of the Project. For your reference, the expected impact from the proposal is attached. Please identify the TRL achieved at the end of project (if relevant) and fill in the Impact Table. Add a short narrative if needed.

Achieved TRL level: write TRL level, if relevant

Task X.Y – at end of project		
Results	**Outcomes, short-medium term**	**Impact, medium-long term**
(results of the Task, produced in the project duration)	*(outcomes generated by the results, in 1-3 years. Examples: further TRL increase, participation in a new proposal, implementation in a facility, continuation of work, etc.)*	*(expected impact generated by the Task results, in 4-5 years. Examples: new accelerator design, lower environmental impact or lower cost of a technology, etc.)*
(enter text)	(enter text)	(enter text)

Comments on impact: write some text here, if relevant. *(Maximum 5 lines per Task)*

Meetings of the Task

If relevant, list here the meetings organised by your Task during Period 3 (1.05.24-31.10.25)

Dates	*Type of meeting + link*	*Venue*

Executive Summary

Short summary (3 lines) of the work carried out by the Task during Period 3 with emphasis on completion of the work and final deliverables and milestones.

(Max 3 lines, for non-professional readers)

[text]

Progress towards Objectives and Significant Results

The Table below reports your Objectives and Wider Goals from the I.FAST Proposal

WP	Title	Specific Objectives	Wider goals
WP2	Training, communication, outreach	Develop a communication strategy for particle accelerators. Set up a Challenge-Based Innovation scheme and an Industrial Training scheme associated with Knowledge Transfer (KT).	Create an innovation-based community for particle accelerators and outreach to public.

Give a short description (possibly in a few bullet points) of the work carried out during Period 3 towards the achievement of the objectives described in the Table above. Provide clear and measurable details.

(Max 5 lines)

[text]

Explanation of the work carried out during Period 3

Explain the work carried out in your Task during the Period 3, giving details of the work carried out by each beneficiary/partner involved.

(Maximum 1 page per Task, including Figures and Tables)

[text]

Explanation of the work performed from the beginning of the project until the end

Explain the work carried out in your Task from the beginning of the project and main results achieved, giving details of the work carried out by each beneficiary/partner involved.

Contractual milestones and deliverables

If relevant, list here the deliverables and milestones delivered by your Task in Period 3.

In the P3 reporting period, Task X.X had X deliverable and X milestones to submit:

- Deliverable X:
- Milestone X:

Deviations from Annex 1

If relevant, report in this table deviation from the Work Plan (delays or results not achieved) that appeared during Period 3 for your Task, including a short justification.

Tasks / objectives/deliverables/ milestones	Deviation[1]	Justification	Impact on other tasks
			n.a.

1: For delays, please write by how many months, with the mention: Minor delay if <6 months, Significant delay > 6 months, Important delay >12 months

Use of resources

If relevant, explain deviations of the use of resources between actual and planned use of resources in Annex 1, especially related to person-months per work package.

(Max 3 lines)

[1] Ahead of schedule/ Minor delay/ Significant delay

Thanks for your cooperation and your commitment in the document preparation

Tour de table on open issues