



This project has received funding from the European Union's Horizon 2020 Research and Innovation programme under GA No 101004730.

Report on the Innovation Fund, outcome of the electronic vote, updates

3rd I.FAST Governing Board meeting

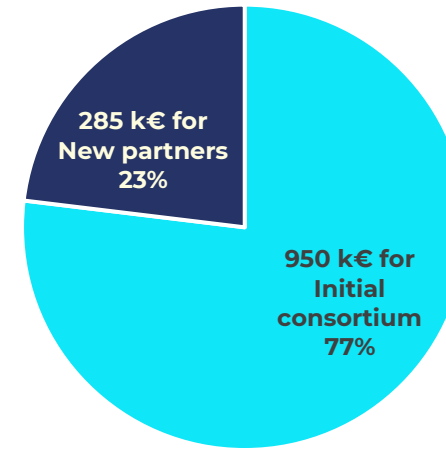
Marcello Losasso (CERN, WP4 Leader)

Cloé Levointurier-Vajda (CERN, I.FAST Coordination Office)

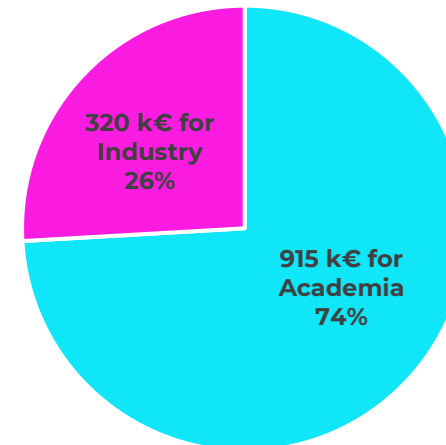


Overview

- 8 projects selected
- 1,235M€ of funding
- **10 beneficiaries** (950k€ budget as additional EU funding), including **4 industrial beneficiaries**
- **4 new Partner organisations** joining (285k€ budget), including **2 industrial partners**



Budget share



Reminder of electronic vote (Jan-Feb. 2023) outcomes

- **Redistribution of EC funding** from CERN to the 10 I.FAST Beneficiaries (9 + CERN) that will execute the Projects
- **Accession of 4 new Partner Organisations** that will participate in the execution of the Projects, receiving funding from CERN.

Transfer from	Transfer to	Amount	Description
CERN	ELYTT	100,000.00 €	Project 1
	PSI	100,000.00 €	Project 3
	VDL	100,000.00 €	Project 3
	CNRS	180,000.00 €	Project 4
	CNR	20,000.00 €	Project 4
	UU	200,000.00 €	Project 5
	INFN	115,000.00 €	Project 6 + Project 7
	PICCOLI	10,000.00 €	Project 6
	RHP	75,000.00 €	Project 8
Total		900,000.00 €	

	Max amount grant (GA Annex 2)	Amount to be redistributed the IIF	Corrected Max grant amount
CERN	2,930,837.50 €	- 900,000.00 €	2,030,837.50 €
ELYTT	89,906.25 €	+ 100,000.00 €	189,906.25 €
PSI	273,687.50 €	+ 100,000.00 €	373,687.50 €
VDL-ETG	262,000.00 €	+ 100,000.00 €	362,000.00 €
CNRS	333,875.00 €	+ 180,000.00 €	513,875.00 €
CNR	70,000.00 €	+ 20,000.00 €	90,000.00 €
UU	164,500.00 €	+ 200,000.00 €	364,500.00 €
INFN	1,015,012.50 €	+ 115,000.00 €	1,130,012.50 €
PICCOLI	30,000.00 €	+ 10,000.00 €	40,000.00 €
RHP	50,000.00 €	+ 75,000.00 €	125,000.00 €

New Partner	Full name	Country	Amount	Description
CSIC	Consejo Superior de Investigaciones Científicas - Instituto de Ciencia de Materiales de Barcelona https://www.csic.es/en/csic	Spain	50,000.00 €	Project 1
Ceraco	Ceraco ceramic coating GmbH https://www.ceraco.de/contact/	Germany	100,000.00 €	Project 3
HZDR	Helmholtz Zentrum Dresden Rossendorf https://www.hzdr.de	Germany	110,000.00 €	Project 3
SBI	SBI GmbH www.sbi.at	Austria	25,000.00 €	Project 4

Update on what happened since then

- Budget distribution for each project: breakdown per Party and per Cost categories → *see changes in the following slides*
- Templates (Accession Form and Letter of Commitment) for new Partner Organisations
- Signature of Accession Form and Letter of Commitment with:
 - ✓ HZDR (involved in Project 6 msec flash)
 - ✓ SBI (involved in Project 8 AM vacuum chambers)
- Pre-financing (50%) payment for 5 Projects: on-going
 - 1. PM for klystron, 5. SSPA driven CFA, 6. msec flash, 7. AM for ion source, 8. AM vacuum chambers

Accession form and Letter of Commitment

- **Accession document** (Att. 2 of CA)

= signature of Consortium Agreement as
Partner Organisation

Horizon 2020 I.FAST Consortium Agreement

Attachment 2: Accession document

ACCESSION
of a new Partner Organisation to
the I.FAST Consortium Agreement, version 1 May 2021

Helmholtz-Zentrum Dresden-Rossendorf EV (HZDR), represented by Dr. Barbara SCHRAMM, Head of Department Research Programs & International Projects and Dr. Carola FRANZEN, EU Liaison Officer, hereby consents to become a Party to the Consortium Agreement identified above and accepts all the rights and obligations of a Party contained in the Consortium Agreement with effect from 01.01.2023.

THE EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH (CERN), as the Coordinator of the I.FAST project,

hereby certifies that the consortium has accepted by electronic vote approved on 8 February 2023 the accession of HZDR to the consortium starting 01.01.2023.

This Accession document has been done in 2 originals to be duly signed by the undersigned authorised representatives.

On: **13. MAR. 2023** at: *Dresden*

HZDR

Signature(s) *i.V. B. Schramm* *i.V. C. Franzen*
Name(s) i.V. Dr. Barbara SCHRAMM i.V. Dr. Carola FRANZEN
Title(s) Head of Department Research Programs & International Projects EU Liaison Officer

On: *20.03.2023* at: *Geneva*

CERN

Signature(s) *Mike Lamont*
Name(s) Dr. Mike LAMONT
Title(s) Director for Accelerators and Technology

- **Letter of Commitment**

= financial information and WP/Task

Letter of Commitment

Subject: Participation of Helmholtz-Zentrum Dresden-Rossendorf EV (HZDR) in the Horizon 2020 proposal I.FAST (Innovation Fostering in Accelerator Science and Technology), European Research Infrastructures work programme 2018-2020 (Call: INFRAINNOV-04-2020: Innovation pilots), in the capacity of **Partner Organisation**.

I hereby declare that HZDR agrees to participate in the EU project I.FAST as Partner Organisation in the following WP and Tasks:

- WP4 Managing Innovation, new Materials
 - o Task 4.2.6 msec flash - Millisecond flash lamp treatment for SRF accelerating cavities

The estimated man-power, personnel and other direct costs of HZDR to the abovementioned task are as follows:

- 18 person-months
- 94,500.00€ personnel costs
- 15,500.00€ other direct costs
- **110,000.00€ total direct costs**

An amount of **110,000 €** to cover part of the direct costs of HZDR will be paid by the EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH (CERN) to HZDR under the terms of the Consortium Agreement, provided that their contribution to the deliverables of Tasks 4.2 is validated by the Work Package Coordinator and the Project Coordinator.

For	European Organization For Nuclear Research (CERN)	Helmholtz-Zentrum Dresden-Rossendorf EV (HZDR)
Signed	Dr. Mike LAMONT	i.V. Dr. Barbara SCHRAMM i.V. Dr. Carola FRANZEN
Position	Director for Accelerators and Technology	Head of Department Research Programs & International Projects EU Liaison Officer
Signature Stamp	<i>Mike Lamont</i> 20.03.2023	<i>i.V. B. Schramm</i> <i>i.V. C. Franzen</i>



Changes since the electronic vote

- **Project 2:** HIGHEST ran by CERN, CSIC and KCT
 - Initial mini consortium was CERN, CSIC and **Ceraco**, but Ceraco is replaced by **KCT**
 - Due to reshuffling of Consortium
- **Project 3:** FE cathode ran by PSI and VDL-ETG
 - **Budget redistribution** compared to the vote, from 100k€ for PSI and 100k€ for VDL-ETG to 190k€ for PSI and 10k€ for VDL
 - Due to unclear and modified communication between project leader and IIF Management
- **Project 4:** KAIO Accelerator ran by CNRS and CNR
 - CNRS Laboratory involved includes experts from **Ecole Polytechnique**, that has to join the Consortium as CNRS's Linked Third Party (Art. 14 of GA)
 - Due to Ecole Polytechnique staff expertise

Budget distribution (projects 1-3)

Beneficiary / Partner	Person-Months	Personnel costs	Other direct costs	Funding
Task 4.2.1: PM for klystron				
CERN	0 PM	0k€	12k€	15k€ incl. indirect costs
Elytt	10 PM	65k€	15k€	100k€ incl. indirect costs
Task 4.2.2: HIGHEST				
CERN	0 PM	0k€	8k€	10k€ incl. indirect costs
CSIC	12 PM	40k€	10k€	50k€
KCT	8.5 PM	80k€	20k€	100k€
Task 4.2.3: FE cathode				
PSI	12 PM	112k€	40k€	190k€ incl. indirect costs
VDL-ETG	1.2 PM	8k€	0k€	10k€ incl. indirect costs

Budget distribution (projects 4-6)

Beneficiary / Partner	Person-Months	Personnel costs	Other direct costs	Funding
Task 4.2.4: KAIO Accelerator				
CNRS	0 PM	0k€	70,6k€	180k€ incl. indirect costs
CNRS linked third party: EP	18 PM	73,4k€	0k€	
CNR	2 PM	14k€	2k€	20k€ incl. indirect costs
Task 4.2.5: SSPA driven CFA				
UU	18 PM	100k€	60k€	200k€ incl. indirect costs
Task 4.2.6: msec flash				
INFN	6 PM	30k€	2k€	40k€ incl. indirect costs
HZDR	18 PM	95k€	16k€	110k€
PICCOLI	2 PM	8k€	0k€	10k€ incl. indirect costs

Budget distribution (projects 7-8)

Beneficiary / Partner	Person-Months	Personnel costs	Other direct costs	Funding
Task 4.2.7: AM for ion source				
INFN	8 PM	32k€	28k€	75k€ incl. indirect costs
CERN	0 PM	0k€	20k€	25k€ incl. indirect costs
Task 4.2.8: AM vacuum chambers				
RHP	8.5 PM	36k€	24k€	75k€ incl. indirect costs
SBI	4.3 PM	20k€	5k€	25k€

Voting items

1. Change of Partner joining for Project 2: from Ceraco to KCT
2. Budget redistribution for Project 3: 90k€ transferred from VDL-ETG to PSI
3. Inclusion of EP as Linked Third Party of CNRS and budget redistribution (Amendment of the GA, Art. 14 and Annex 2) for Project 4: 92k€ transferred from CNRS to EP (CNRS LTP)

Vote 1

Do you approve to vote the 3 changes mentioned in the previous slide as a package?

Vote 2

Do you approve the changes (package)?

1. Change of Partner joining for Project 2: from Ceraco to KCT
2. Budget redistribution for Project 3: 90k€ transferred from VDL-ETG to PSI
3. Inclusion of EP as Linked Third Party of CNRS and budget redistribution (Amendment of the GA, Art. 14 and Annex 2) for Project 4: 92k€ transferred from CNRS to EP (CNRS LTP)

Next steps

- Collection of missing bank details (**Beneficiaries** and **Partner Organisations**):
 - **CSIC, KCT, CNRS**
- Collection of missing signed documents (**Partner Organisations**):
 - **CSIC** and **KCT**
- Prefinancing payment for 3 projects to be launched:
 - 2. HIGHEST, 3. FE cathode, 4. KAIO Accelerator
- **Financial and technical reportings** & Interim payments
→ *see following slides*

Interim technical reporting at M35

- **1 interim report by each project (max. 5 pages)**, due at **Month 35** (March 2024), to report on:
 - **Summary** of progress in the first year / year and a half of the project
 - **Achieved milestones and deliverables** according to project plan
 - **Foreseen activities** for the remaining time
- Compiled by **Task 4.2 Leader** into a single report, reviewed by WP4 Coord. and Management Team [**MS11** IIF Projects interim progress report due at **Month 36**]

Final technical reporting at M47

- **1 final report by each project (max. 10 pages)**, due at **Month 47** (March 2025), to report on:
 - **Summary** of progress for the entire duration of the project
 - **Accomplished activities** compared to the project plan, including **milestones** and **deliverables**
 - Achieved **results and technical breakthroughs, wide impact** of the project, including **commercial/industrial exploitation** if any and **contribution to accelerator sustainability**
- Compiled by **Task 4.2 Leader** into a single report, reviewed by WP4 Coord. and Management Team [**MS12** IIF Projects final progress report due at **Month 48**]

Beneficiaries costs: reporting and payments

1. CERN, 3. RHP, 7. CNRS, 21. CNR, 24. INFN, 26. PICCOLI,
30. VDL-ETG, 36. Elytt, 40. UU, 41. PSI

- Prefinancing (50%), Q2 (Apr.-Jun.) 2023
- P2 Interim payment: based on the costs reported in P2 **Financial Statement**, Q3 (Jul.-Sept.) 2024
- P3 final payment: based on the costs reported in P3 **Financial Statement**, and GB vote, Q4 (Oct.-Dec.) 2025

Partner organisations costs: reporting and payments

CSIC, KCT, HZDR, SBI

- Prefinancing (50%): once Accession form to the CA and Letter of Commitment signed ~Q2 (Apr.-Jun.) 2023
- Y3 Interim payment (20%): based on the costs reported in Y3 **IRUS**, delivered report (Project interim progress report) and GB vote, Q3 (Jul.-Sept.) 2024
- Y4 final payment (30%): based on the costs reported in Y4 **IRUS**, delivered report (Project final report) and GB vote, Q4 (Oct.-Dec.) 2025



Vote 3

Do you approve the interim (20%) and final payment (30%) for Partner organisations to be done based on financial and technical reporting?

iFAST

**Many thanks for your attention
Any questions?**



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