

MEDICIS 12th Collaboration Board Meeting

2 July 2024

Annual Financial Report

as at 31 December 2023

CERN - MEDICIS PROJECT - *MoU KM3384/KT/EN/180C*

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CERN - MEDICIS PROJECT - MoU KM3384/KT/EN/180C

Statement of Accounts at 31 December 2023: Funded from **Financial Contributions** (BC 23300)

The statement shows the evolution of the funds from 1 January 2023 to 31 December 2023.
The total cash balance on 31 December 2023 is: +111 kCHF

Revenues and Expenses

		kCHF
Balance 1 January 2023		4
Participants' Financial contributions - MoU 2023	212	
Donations/Grants received via CERN & Society Foundation	45	
Charged Expenses - Material	-151	
Charged Expenses - Personnel*		
Balance at 31 December 2023		111
Open Commitments - Material	-17	
Open commitments at 31 December 2023		-17

* in 2023 staff personnel paid fully by CERN

Expenses funded by CERN

		kCHF
Charged Expenses - Material	-164	
Charged Expenses - Personnel	-186	
Balance at 31 December 2023		-350
Open Commitments - Material	-23	
Open commitments at 31 December 2023		-23

CERN - MEDICIS PROJECT - MoU KM3384/KT/EN/180C*Expenses - Material (1 January - 31 December 2023): Funded from Financial Contributions (BC 23300)*

Row Labels	Sum of Charged to Budget Code (CHF)	Sum of Annual Open Commitment (CHF)	Sum of Annual Commitment (CHF)
Confer-seminars registration fees	1 016.55	-	1 016.55
Consultancy and engineering	11 206.00	3 072.00	14 278.00
Cooperation associates - Subsistence allowances	19 200.00	-	19 200.00
Electronics & electrical engineering: supplies,equipt & sces	159.54	2 974.56	3 134.10
External transport and packaging	10 883.82	130.00	11 013.82
Gases and chemicals	5 472.71	4 380.00	9 852.71
Health, safety & environment: supplies and equipment	3 912.09	-	3 912.09
Measurement instruments	3 252.61	-	3 252.61
Mechanical supplies, equipment and works	17 873.11	-	17 873.11
Mechanical technologies - subcontracting	41 944.79	-	41 944.79
Optics and photonics: supplies and equipment	3 390.90	4 269.26	7 660.16
Particle and photon detectors: supplies and equipment	10 066.15	-	10 066.15
Services on the CERN site	2 805.03	2 079.87	4 884.90
Store purchase / Electronics&Electric supplies	810.11	-	810.11
Store purchase / Mechanical supplies and raw materials	150.74	-	150.74
Store purchase / Office supply & equipment	35.80	-	35.80
Technical support	8 743.00	-	8 743.00
Trainees - Subsistence allowances	7 785.00	-	7 785.00
Vacuum: supplies and equipment	-	-	-
Voyages - IndemnitÃ©s journaliÃ©res de voyage	884.85	-	884.85
Voyages - logement	1 019.93	-	1 019.93
Grand Total	150 612.73	16 905.69	167 518.42

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Expenses - Material (1 January - 31 December 2023): funded from CERN budget (BC 63740)

Row Labels	Sum of Charged to Budget Code (CHF)	Sum of Annual Open Commitment (CHF)	Sum of Annual Commitment (CHF)
Voyages - transport	94.71	-	94.71
Grand Total	94.71	-	94.71

Expenses - Material (1 January - 31 December 2023): funded from CERN budget (BC 63137)

Row Labels	Sum of Charged to Budget Code (CHF)	Sum of Annual Open Commitment (CHF)	Sum of Annual Commitment (CHF)
CE & buildings supplies, equipment and works	213.89	-	213.89
Charges de materiel	-	-	-
Confer-seminars registration fees	851.14	-	851.14
Consultancy and engineering	-	-	-
Cooperation associates - Subsistence allowances	3 000.00	-	3 000.00
Editing, publishing, audiovisual services	165.00	-	165.00
Electronics & electrical engineering: supplies,equipt & sces	5 146.07	123.01	5 269.08
Entertainment expenses	603.50	-	603.50
External transport and packaging	7 781.59	1 966.03	9 747.62
Gases and chemicals	1 749.48	-	1 749.48
Health, safety & environment: supplies and equipment	-	-	-
IT supplies, equipment and services	15 000.00	-	15 000.00
Measurement instruments	3 564.00	-	3 564.00
Mechanical supplies, equipment and works	11 597.63	-	11 597.63
Mechanical technologies - subcontracting	33 358.69	-	33 358.69
Office supplies, equipment and furniture	897.82	-	897.82
Optics and photonics: supplies and equipment	519.05	-	519.05
Project associates - Subsistence allowances	4 714.00	-	4 714.00
Services on the CERN site	21 017.73	12 731.46	33 749.19
Store purchase / CERN Shop	50.00	-	50.00
Store purchase / Electronics&Electric supplies	114.50	-	114.50
Store purchase / Gases & chemicals supplies	14.50	-	14.50
Store purchase / Health, Safety & Environment	246.30	-	246.30
Store purchase / Mechanical supplies and raw materials	714.12	-	714.12
Store purchase / Office supply & equipment	19.20	-	19.20
Technical support	46 746.71	7 950.00	54 696.71
Trainees - Subsistence allowances	1 105.00	-	1 105.00
Vacuum: supplies and equipment	380.47	-	380.47
Voyages - Autres dépenses	297.69	-	297.69
Voyages - Indemnités journalières de voyage	1 067.10	-	1 067.10
Voyages - logement	1 059.78	-	1 059.78
Voyages - transport	2 381.86	-	2 381.86
Grand Total	163 615.88	22 770.50	186 386.38

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Expenses - Personnel (1 January - 31 December 2023): Funded from Financial Contributions (BC 23300)

	Duration (%)	Period foreseen	Sum of Charged to Budget Code (CHF)
			-
Accelerator Systems Department (Associated Members of Personnel included in Material Expenses - BC 23300):			26 985
2 Cooperation Associates - total 7 months	58%	01/01/23 - 31/11/2023	19 200
1 Trainee - 5 months	42%	01/07/23 - 30/11/23	7 785

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Expenses - Personnel (1 January - 31 December 2023): Funded from CERN budget (BC 57317, BC 63137)

Department/Unit	Duration (%)	Period foreseen	Sum of Charged to Budget Code (CHF)
Occupational Health & Safety and Environmental Protection Unit: 5 persons comprising 1FTE (BC 57317):			186 314
Staff No.1	12%	01/01/23 - 31/12/23	
Staff No.2	15%	01/01/23 - 31/12/23	
Staff No.3	18%	01/01/23 - 31/12/23	
Staff No.4	30%	01/01/23 - 31/12/23	
Staff No.5	25%	01/01/23 - 31/12/23	
Accelerator Systems Department (Associated Member of Personnel included in Material Expenses - BC 63137):			8 819
1 Project Associate - 2 months part-time	10%	01/01/23 - 28/02/23	4 714
1 Cooperation Associate - 1 month	8%	01/12/2023-31/12/23	3 000
1 Trainee - 1 month	8%	01/12/2023-31/12/23	1 105

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Financial contributions for the year 2023 at 31 December 2023: Funded from Financial Contributions (BC 23300)

(Figures based on signed MoUs - Annex 3)

Participant	Received Financial Contributions (kCHF)	Financial Contributions Invoiced (kCHF)
KU Leuven*	147	147
IST	5	5
Latvia Consortium	40	40
PSI	20	20
Total	212	212

** including 2 kCHF of transport reimbursement; 88 kCHF for purchase of an HPLC/ICP-MS system*

Details of received donations/grants via C&S Foundation

Donor	Donations/grants (kCHF)
Pro-techno Foundation	25
Anonymous donation	20
Total	45

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Financial Summary (2018-2023): Funded from Financial Contributions (BC 23300) and CERN

Expenses by account category	2018	2019	2020	2021	2022	2023
Personnel	138	170.5	173	175	0	
Materials (charged)	309	309	265	322	58	151
Total charged	447	480	438	496	58	151

Participant	2018	2019	2020	2021	2022	2023
HUG	0	100	100	0		
CHUV	0	100	100	0		
KU Leuven	135	0	11	319		147
IST	5	5	5	5		5
Latvia Consortium	0	0	40	40	40	40
PSI	0	20	20	20		20
Arronax	29	28	0	0		
Total contributions	169	253	276	384	40	212

Donor	2018	2019	2020	2021	2022	2023
ADAM	200	150	150	0		
Fond. Lutte contre cancer	100	25	0	50		
Pro-techno	0	50	0	25	50	25
Anonymous						20
Total donations	300	225	150	75	50	45

EU Projects	2018	2019	2020	2021	2022	2023
PRISMAP						
Total grants						0

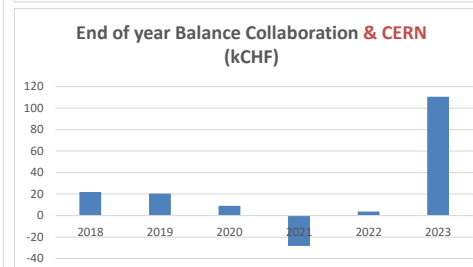
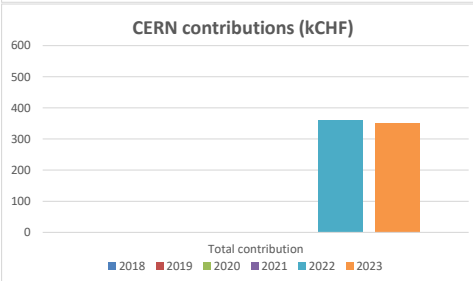
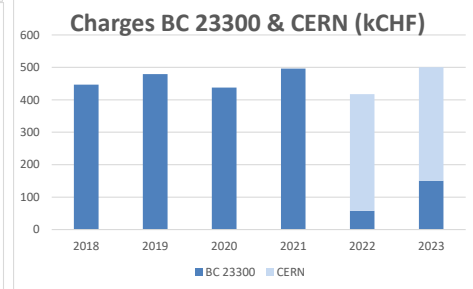
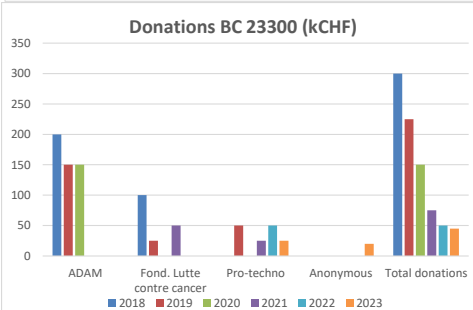
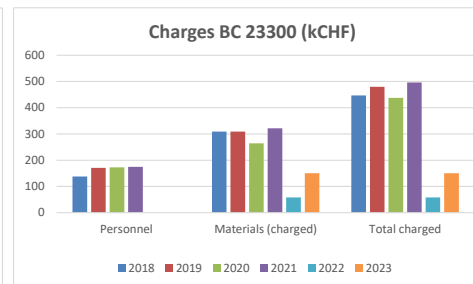
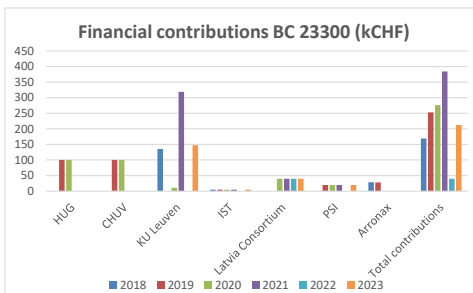
Cumulative Balance	2018	2019	2020	2021	2022	2023
Income-spent (Cash/Accounting Balance)	22	21	9	-28	4	111

CERN expenses by account category	2018	2019	2020	2021	2022 ^(r)	2023
Personnel					178	186
Materials (charged)					182	164
Total charged	0	0	0	0	359	350

CERN contribution (charged)	2018	2019	2020	2021	2022 ^(r)	2023
Medical Applications					359	350
Total contribution					359	350

Collaboration/CERN Cumulative Balance	2018	2019	2020	2021	2022	2023
Income-spent	22	21	9	-28	4	111

(r) revised
* projection



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Details of contributions and deliverables (2018-2026)

The table summarises the totality of the contributions to the Project by participants and the expected deliverables based on signed MoUs - Annex 3

Participant	In-kind contribution	Financial contribution	Expected deliverables
CERN	Staff in-kind for the operation of the facility	2022: 330kCHF, 2023: 290 kCHF, 2024: 310 kCHF, 2025: 210 kCHF	
Hôpitaux Universitaires de Genève (HUG), Switzerland		100k CHF/year for 2 years from 2019	5 isotope batches over 3 years
Centre Hospitalier Universitaire Vaudois (CHUV), Switzerland		100k CHF/year for 2 years from 2019	5 isotope batches over 3 years
KU Leuven, Belgium	Students, post-doc and professor activities: - 0.88 FTE in 2018 - 1.36 FTE in 2019 - 2.18 FTE in 2020 - 0.5 FTE in 2021 - 0.5 FTE in 2022-2023 - 1 FTE in 2024-2026 LISOL separator magnet; Wavemeter MELISSA	32 kCHF for consumable 115 kCHF for laser system; 310 kCHF for Tb-IRMA-V project 150 kCHF in 2023 of which 90k is foreseen for purchase of an HPLC/ICP-MS system, then 60 kCHF for 3 years (2024-2026)	
Accelérateur pour la Recherche en Radiochimie et Oncologie à Nantes Atlantique (ARRONAX), Nantes, France	Provision of isotope sources	25 KEUR (29 kCHF)/year for 2 years from 2018 5k CHF/year from 2018 for 4 years, then 5kCHF/year for 3 years (2023-2025)	R&D in isotope mass separation
Instituto Superior Técnico (IST), Portugal	Scientific advice and activities at CERN	5k CHF/year for 3 years (2023-2025)	4 isotope batches over 4 years
National Physical Laboratory (NPL), UK	Measurement services through the use of diverse detectors (scintillators, gamma detectors, ionization chambers - 50k CHF) and an Automated Radiochemistry Module (50k CHF) Students and scientific staff activities at CERN		4 isotope batches over 3 years
Paul Scherrer Institute (PSI), Switzerland	Radiochemical purification, radiolabeling and use of mass separated radiolanthanides and relevant expertise Scientific advice and activities at CERN	20 kCHF/year for 3 years (2018-2020), then 25 kCHF/year for 3 years (2023-2025)	4 isotope batches over 3 years
JRC-Directorate G, Brussels, Belgium	225Ac and 213Bi generators Scientific advice on clinical trials and Radiopharmaceuticals for alpha-emitters		R&D in isotope mass separation Production of 225Ac sources
The Saha Institute of Nuclear Physics (SINP), India	Students and professor activities at CERN		
Fundación Andaluza Beturia para la Investigación en Salud (F.A.B.I.S.), Huelva, Spain	Expertise in clinical trials Nuclear Medicine Doctor Radiopharmacy Medical Physicist Radiation Oncology Radiation Detectors Students and professor activities Hot Cell (200kCHF)		R&D in theranostics R&D in isotope production
L'Institut Laue-Langevin (ILL), Grenoble, France	Production of isotope batches by neutrons		R&D in isotope mass separation
Fondation pour la lutte contre le cancer et pour des recherches médico-biologiques, Switzerland	Scientific Advice		
European Association of Nuclear Medicine (EANM)	Scientific Advice		
Pakistan Atomic Energy Commission (PAEC)	Secondment of a radiochemist to CERN 0.5FTE/year in 2022, 2023		At least 2 isotope batches per year
Consortium of Latvia (Riga Technical University & University of Latvia)	Scientific and medical advice	40k CHF/year for 2 years for 3 years (2020-2022), then 50k CHF/year for 2 years (2023-2024), 60 kCHF in 2025, 100 kCHF in 2026	

Other Contributors	In-kind contribution	Financial contribution (kCHF)	Expected deliverables
University of Mainz, Germany	Laser ion source 12-person-months of a PhD Student		
University of Oslo, Norway			