

ICOS RI Financial report 2020

Approved

25.5.2021

ICOS/GA14/11



ICOS


**Integrated
Carbon
Observation
System**

Introduction

The year 2020 was the first year of the second five-year period, and ICOS is fully operational. The Common Contributions and station contributions were increased for the second five-year period. Contributions for calibration gases for Ocean measurements provided by the FCL have been added from the beginning of 2020.

During the year Evaluation has been finalized and ICOS received good recommendations to improve the operations in ICOS. The financial results were positive. Finances were seen as sufficient, well distributed and well managed.

The Finnish and French Host Contributions for the HO were not increased for the second five-year period and the core tasks were adjusted to that decision. Project revenues were increased but could not compensate this decision by hosting countries since they are related to additional tasks. Sweden provided increased funding for Carbon Portal in order to maintain and further develop its services.

In general, the financials of 2020 were very much affected by pandemic and the related confinements. The General Assembly, RICOM and MSA meetings were organized as virtual meetings which reduced travelling severely. Travelling costs and travel related emissions were reduced significantly. The biennial Science Conference was organized virtually without registration fees being charged. This resulted in a steep increase in participants. The related costs were compensated by the almost missing travelling costs.

In 2020, Head Office, Carbon Portal and Central Facilities together had expenses of 8,803,837 € of which 8,301,661€ were covered by host contributions and membership contributions. The remaining costs (5,7 %) were mainly covered by Horizon 2020 projects.

The situation of the funding of the National Networks in different countries has been monitored by the Head Office throughout the year. The expenses for the National Networks have been 22,018,371 € of which 19,205,615 € were covered by ICOS-related funding. The remaining costs (12,8 %) were covered by other sources. National networks funding sustainability needs to be further analysed during 2021 to ensure the sustainability of the stations.

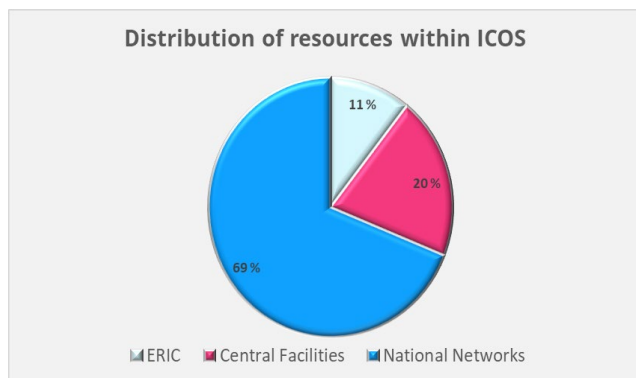


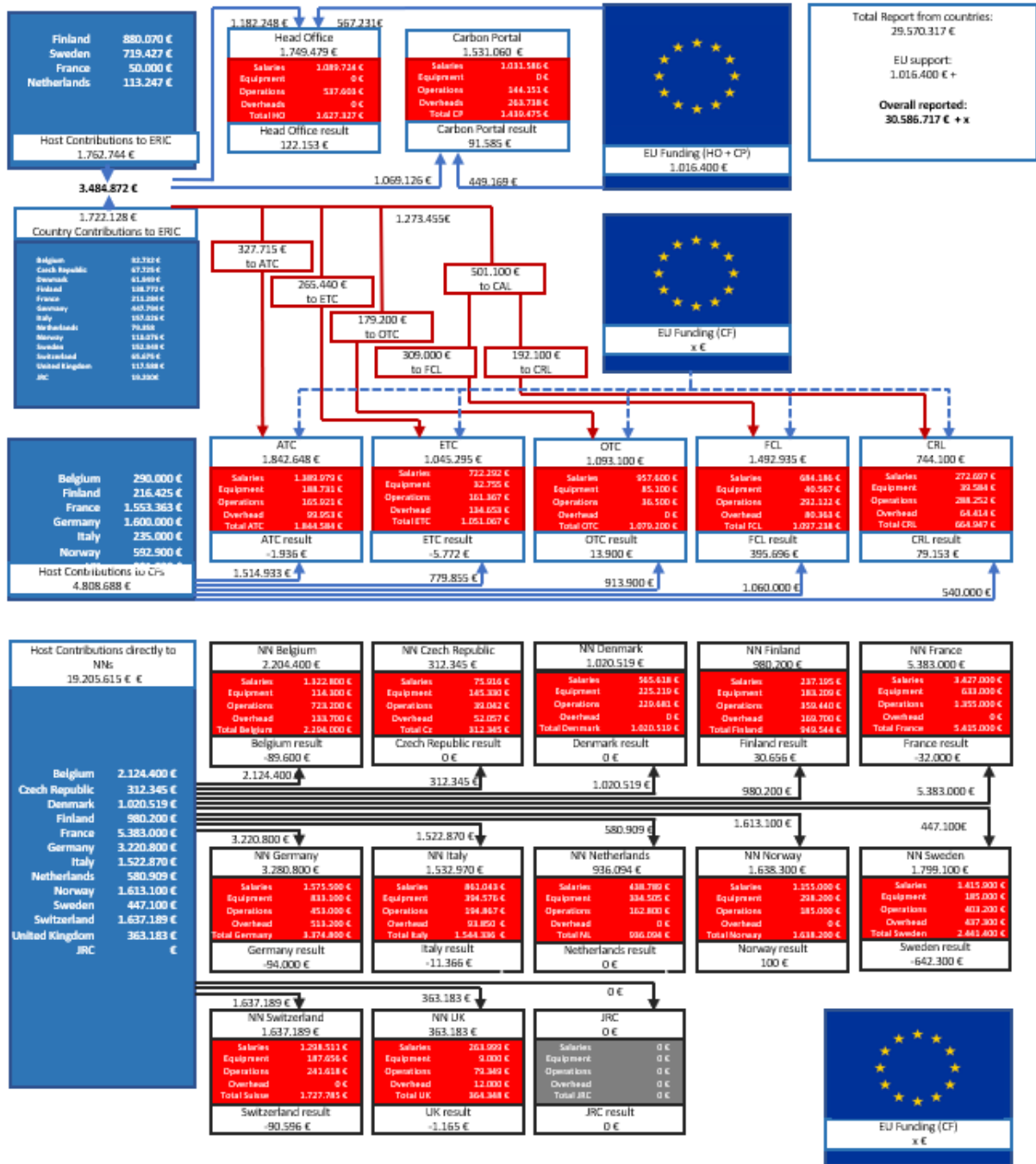
Figure 1. Distribution of resources within ICOS

69% of the funding goes to support the basic data production at the 143 stations in the National Networks. The number of the number of stations increased by nine (total 134 stations) in 2019). While 20 % has been used for the Central Facilities and 11 % for ICOS ERIC.

General Overview

A general overview of the 2020 finances of ICOS as a whole research infrastructure is given in Fig. 2. It shows on the left in blue the host contributions of Finland, Sweden, France and the Netherlands to ICOS ERIC (in the upper part), the country contributions to the ERIC (in the second part), the direct host contributions to the Central Facilities (in the third part), and the direct host contributions to the National

Networks in the lowest part. In the central part the internal transfers and the reports of Head Office, Carbon Portal, Central Facilities and National Networks are shown in red. Reports from 2020 were received from all National Networks. The Joint Research Centre has a specific agreement with ICOS ERIC



and the prices of the services may not be increased during the term of the contract.

2. Figure Overview of the ICOS income and re-distribution to Head Office, Carbon Portal, Central Facilities, and National Networks

The right side shows the EU project revenues for the ERIC parts, Head Office and Carbon Portal. They have been fully quantified for the ICOS ERIC while the Central Facilities and the National Networks have not reported them since the reporting periods for the projects have not been the same as the financial year 2020.

ICOS ERIC

Table 1 shows the results of the Head Office and Carbon Portal in 2020. Since some revenues of the Carbon Portal are not going through ICOS ERIC the sum of the HO + CP is not equal to the ERIC report. The salaries of the projects are calculated according to the official time reporting and the other costs are from accounting reports. Two projects ended in 2020 and the revenues of these projects like other projects have been calculated on the basis of the precautionary principle. The Head office received final payments during 2020 for two projects that ended in 2019, which was some extra revenue for projects in 2020. At the end of year 2020, the number of ongoing projects was five projects. The project overhead costs are included the figures of the Head Office core.

Table 1: Overview of HO, CP and ICOS ERIC

REVENUE:	HO Core	HO Projects	Total HO	CP Lund	CP NL	CP (ERIC)	CP Projects	Total CP	HO + CP	through the ERIC	
R1	<i>Membership contributions to ICOS-ERIC</i>	246 778.13	0.00	246 778.13	0.00	0.00	209 996.00	0.00	209 996.00	456 774.13	456 774.13
R2	<i>National contribution Finland</i>	880 070.01	0.00	880 070.01	0.00	0.00	0.00	0.00	880 070.01	880 070.01	880 070.01
R3	<i>National contribution France</i>	50 000.00	0.00	50 000.00	0.00	0.00	0.00	0.00	50 000.00	50 000.00	50 000.00
R4	<i>National contribution Sweden (cash through ERIC)</i>	0.00	0.00	0.00	568 553.72	0.00	48 978.15	0.00	617 531.87	617 531.87	617 531.87
R5	<i>National contribution Sweden (cash directly)</i>	0.00	0.00	0.00	101 895.32	0.00	0.00	0.00	101 895.32	101 895.32	0.00
R6	<i>National contribution Netherlands (cash)</i>	0.00	0.00	0.00	0.00	113 247.00	0.00	0.00	113 247.00	113 247.00	0.00
R7	<i>National contribution Netherlands (in-kind)</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R8	<i>Third party</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R9	<i>Other (Projects)</i>	5 400.00	567 231.21	572 631.21	12 765.43	0.00	26 455.53	449 168.83	488 389.79	1 061 021.00	599 086.74
R10	Total Revenue	1 182 248.14	567 231.21	1 749 479.35	683 214.47	113 247.00	285 429.68	449 168.83	1 531 059.97	3 280 539.32	2 603 462.75
COST:											
C1	<i>Salary costs</i>	710 215.20	379 508.32	1 089 723.52	470 257.32	84 571.00	154 323.68	322 434.24	1 031 586.24	2 121 309.76	1 244 047.20
C2	<i>Equipment costs</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C3	<i>Operating costs:</i>	482 382.65	52 214.95	534 597.60	66 668.93	0.00	40 677.85	36 803.77	144 150.56	678 748.16	575 275.45
C3.1	<i>Travel</i>	41.17	20 376.53	20 417.70	1 119.61	0.00	8 131.59	2 681.84	11 933.04	32 350.74	28 549.29
C3.2	<i>Other</i>	482 341.48	31 838.42	514 179.90	65 549.32	0.00	32 546.26	34 121.93	132 217.52	646 397.42	546 726.16
C4	<i>Transfer to Lund</i>	0.00	0.00	0.00	145 131.36	28 676.00	0.00	89 930.81	263 738.17	263 738.17	0.00
C5	<i>Overhead Costs</i>	0.00	0.00	0.00	145 131.36	28 676.00	0.00	89 930.81	263 738.17	263 738.17	0.00
	Total Cost	1 192 597.85	431 723.27	1 624 321.12	682 057.61	113 247.00	195 001.53	449 168.83	1 439 474.97	3 063 796.09	2 387 876.37
T1	Result of the year (0,+/-)	-10 349.71	135 507.94	125 158.23	1 156.86	0.00	90 428.15	0.00	91 585.01	216 743.24	215 586.38

The cumulative results during the period 2016 and 2020 are shown in Table 2. Unspent funds of Carbon Portal are partly in the accounts of ICOS ERIC and partly in the University of Lund.

Table 2: Unspent funds in ICOS ERIC

	Carbon Portal (Lund)	Carbon Portal (ERIC)	Head Office	ERIC Total
2016 result	92 173.00 €	199 089.21 €	711 484.55 €	910 573.76 €
2017 result	142 492.00 €	- €	169 180.54 €	169 180.54 €
2018 result	63 562.35 €	27 202.34 €	- 216 330.61 €	- 189 128.27 €
2019 result	- 109 279.18 €	72 210.91 €	15 154.48 €	87 365.39 €
2020 result	1 156.86 €	90 428.15 €	125 158.23 €	215 586.38 €
Accumulated by end 2020	190 105.03 €	388 930.61 €	804 647.19 €	1 193 577.80 €
Average three previous year cost		1 293 213.06	1 790 662.10	
The percentage		30.07 %	44.94 %	

Central Facilities

Table 3 shows the results of the Central Facilities in 2020.

Table 3: Overview of Central Facilities

	ATC	ETC	OTC	FCL	CRL	Total CFs
Station-based Contributions from ICOS ERIC	327 715 €	265 440 €	179 200 €	309 000 €	192 100 €	1 273 455 €
Host Contribution	1 514 933 €	779 855 €	913 900 €	1 060 000 €	540 000 €	4 808 688 €
Other				123 935 €	12 000 €	135 935 €
Total revenue	1 842 648 €	1 045 295 €	1 093 100 €	1 492 935 €	744 100 €	6 218 078 €
Salary costs	1 389 979 €	722 292 €	957 600 €	684 186 €	272 697 €	4 026 754 €
Equipment costs	188 731 €	32 755 €	85 100 €	40 567 €	39 584 €	386 737 €
Operating costs	165 921 €	161 367 €	36 500 €	292 122 €	288 252 €	944 163 €
Overhead costs	99 953 €	134 653 €	- €	80 363 €	64 414 €	379 383 €
Total Cost	1 844 584 €	1 051 067 €	1 079 200 €	1 097 238 €	664 947 €	5 737 036 €
Result of the year	- 1 936 €	- 5 772 €	13 900 €	395 696 €	79 153 €	481 041 €

The instructions for the reporting of the Central facilities state:

- In case revenues exceed costs, the surplus called furthermore “unspent funds” must be explained and addressed in a usage plan and presented to the General Assembly. For example, the unspent funds can be used to balance future years negative results or for planned investments. The unspent funds will remain in the accounts of the respective Central Facility and their further usage will be monitored by ICOS ERIC over the usual five-year financial planning period.
- A report that results in costs exceeding revenues, will be discussed with the General Assembly. In case that no unspent funds from earlier periods are available the Host Countries or the Host institutions are responsible for balancing the overspending. There is no liability for ICOS ERIC.

Table 4: Unspent funds from the Central Facilities

	ATC	ETC	OTC	FCL	CRL
2016 result	375 500.00 €	425 184.00 €	241 150.00 €	371 440.00 €	205 074.00 €
2017 result	- 78 303.00 €	209 769.00 €	81 350.00 €	- 214 102.26 €	- 111 600.00 €
2018 result	- €	119 736.00 €	- 19 207.49 €	246 894.17 €	- 33 900.00 €
2019 result	- 291 296.00 €	- 78 600.00 €	77 000.00 €	3 106.66 €	- 9 400.00 €
2020 result	- 1 936.00 €	- 5 772.22 €	13 900.00 €	395 696.34 €	79 153.00 €
Accumulated by end 2020	3 965.00 €	670 316.78 €	394 192.51 €	803 034.91 €	129 327.00 €
Average three previous year cost	1 799 609	959 175	902 879	1 189 598	714 089
The percentage of three years average	0.22 %	69.88 %	43.66 %	67.50 %	18.11 %
Article 12.4 in the Financial Rules					

National Networks

Table 5: Overview of the National Networks

	Belgium	Czech Rep.	Denmark	Finland	France	Germany	Italy	NL	Norway	Sweden	Switzerland	UK	JRC	Total
Country														
Contribution	2 124 400 €	312 345 €	1 020 519 €	980 200 €	5 383 000 €	3 220 800 €	1 522 870 €	580 909 €	1 613 100 €	447 100 €	1 637 189 €	363 183 €		19 205 615 €
Other	80 000 €	- €	- €	- €	- €	60 000 €	10 100 €	355 185 €	25 200 €	1 352 000 €	- €	- €		1 882 485 €
Total revenue	2 204 400 €	312 345 €	1 020 519 €	980 200 €	5 383 000 €	3 280 800 €	1 532 970 €	936 094 €	1 638 300 €	1 799 100 €	1 637 189 €	363 183 €	- €	21 088 100 €
Total salary costs	1 322 800 €	75 916 €	565 618 €	237 195 €	3 427 000 €	1 575 500 €	861 043 €	438 789 €	1 155 000 €	1 415 900 €	1 298 511 €	263 999 €		12 637 271 €
Equipment costs	114 300 €	145 330 €	225 219 €	183 209 €	633 000 €	833 100 €	394 576 €	334 505 €	298 200 €	185 000 €	187 656 €	9 000 €		3 543 095 €
Operating costs	723 200 €	39 042 €	229 681 €	359 440 €	1 355 000 €	453 000 €	194 867 €	162 800 €	185 000 €	403 200 €	241 618 €	79 349 €		4 426 197 €
Overhead	133 700 €	52 057 €	- €	169 700 €	- €	513 200 €	93 850 €	- €	- €	437 300 €	- €	12 000 €		1 411 807 €
Total Cost	2 294 000 €	312 345 €	1 020 519 €	949 544 €	5 415 000 €	3 374 800 €	1 544 336 €	936 094 €	1 638 200 €	2 441 400 €	1 727 785 €	364 348 €	- €	22 018 371 €

Total ICOS research infrastructure budget

The comprehensive overview of the ICOS research infrastructure report in 2020 (including the H2020 revenues of HO and CP) is shown in Table 6.

Table 6: Overview of Head Office, Carbon Portal, Central Facilities and National Networks

	HO + CP	Total CFs	Total NNs	Total RI
Country Contributions to ICOS ERIC and Central Facilities	456 774 €	1 273 455 €	- €	1 730 229 €
Host contribution	1 762 744 €	4 808 688 €	19 205 615 €	25 777 047 €
Other	1 061 021 €	135 935 €	1 882 485 €	3 079 441 €
Total revenue	3 280 539 €	6 218 078 €	21 088 100 €	30 586 717 €
Salary costs	2 121 310 €	4 026 754 €	12 637 271 €	18 785 335 €
Equipment costs	- €	386 737 €	3 543 095 €	3 929 832 €
Operating costs	681 753 €	944 163 €	4 426 197 €	6 052 113 €
Overheads	263 738 €	379 383 €	1 411 807 €	2 054 929 €
Total Cost	3 066 801 €	5 737 036 €	22 018 371 €	30 822 208 €

Detailed information of the Central Facilities

Table 7: ATMOSPHERE THEMATIC CENTRE Report 2020

	Report	Budget
	2020	2020
REVENUE:		
R1	<i>Stationbased contributions from ICOS-ERIC</i>	
R2	<i>National contribution France (cash)</i>	
R3	<i>National contribution France (in-kind)</i>	
R4	<i>National contribution Finland (cash)</i>	
R5	<i>National contribution Finland (in-kind)</i>	
R6	<i>Third party</i>	
R7	<i>Other, donations</i>	
R8	Total Revenue	
	327 715	329 800
	1 298 508	1 093 926
	0	0
	216 425	272 250
	0	0
	0	0
	0	0
	1 842 648	1 695 976
COST:		
C1	<i>Salary costs</i>	
C2	<i>Equipment costs</i>	
C3	<i>Operating costs</i>	
C4	<i>Overhead costs</i>	
C5	Total Cost	
	1 389 979	1 338 960
	188 731	190 800
	165 921	185 000
	99 953	0
	1 844 584	1 714 760
T1	Result of the year (0,+/-)	
	-1 936	-18 784
P1	Total person months:	
	163	135

Explanatory notes:

Travel Cost: 13,573 €

Other explanatory notes:

Finland: Depreciation (1/5) of analysers G5310, G2401 and Air dryer unit included in Equipment costs. Difficulties during covid restrictions resulting in large difference between reported and budgeted operating costs. The extra spending in equipment is linked to the added purchase of two N2O analysers.

France: No notes.

Table 8: ECOSYSTEM THEMATIC CENTRE Report 2020

		Report	Budget
		2020	2020
REVENUE:			
	<i>Stationbased contributions from ICOS-ERIC</i>		
R1		265 440	265 440
R2	<i>National contribution Italy (cash)</i>	100 000	210 000
R3	<i>National contribution Italy (in-kind)</i>	135 000	80 000
R4	<i>National contribution Belgium (cash)</i>	290 000	302 000
R5	<i>National contribution Belgium (in-kind)</i>	0	0
R6	<i>National contribution France (cash)</i>	232 738	252 000
R7	<i>National contribution France (in-kind)</i>	22 117	0
R8	<i>Third party</i>	0	0
R9	<i>Other, donations</i>	0	0
R10	Total Revenue	1 045 295	1 109 440
COST:			
C1	<i>Salary costs</i>	722 292	746 000
C2	<i>Equipment costs</i>	32 755	5 000
C3	<i>Operating costs</i>	161 367	256 000
C4	<i>Overhead costs</i>	134 653	151 000
C5	Total Cost	1 051 067	1 158 000
T1	Result of the year (0,+/-)	-5 772	-48 560
P1	Total person months:	143	157

Explanatory notes:

Travel Cost: 8,709.65 €

Other explanatory notes:

Belgium: The positive balance in 2020 compensates for the negative balance (34k) from 2019. In this way the buffer capacity from the unspent funds is maintained.

In addition, travel cost was lower due to COVID-19 travel restrictions.

France: No notes.

Italy: No notes.

Table 9: OCEAN THEMATIC CENTRE Report 2020

		Report	Budget
		2020	2020
REVENUE:			
R1	<i>Stationbased contributions from ICOS-ERIC</i>	179 200	171 150
R2	<i>National contribution Norway (cash)</i>	507 800	708 000
R3	<i>National contribution Norway (in-kind)</i>	85 100	77 000
R4	<i>National contribution UK (cash)</i>	321 000	321 000
R5	<i>National contribution UK (in-kind)</i>	0	0
R6	<i>Third party</i>	0	0
R7	<i>Other, donations</i>	0	0
R8	Total Revenue	1 093 100	1 277 150
COST:			
C1	<i>Salary costs</i>	957 600	1 047 000
C2	<i>Equipment costs</i>	85 100	0
C3	<i>Operating costs</i>	36 500	230 000
C4	<i>Overhead costs</i>	0	0
C5	Total Cost	1 079 200	1 277 000
T1	Result of the year (0,+/-)	13 900	150
P1	Total person months:	81	93

Explanatory notes:

Travel Cost: 11,500€ (reported by the United Kingdom OTC in GBP. Exchanged to euro GBP 1 = EUR 1.11822). There is a plan for spending the positive result (underspent Membership contributions budgeted for travel) in 2021.

Norway does not separate travel cost from other operating costs and doing the inventory would be an extra administrative burden.

Other explanatory notes: Norway is following the regulations and are reporting is based on national practice where we do not separate either overhead or travel costs directly in our budgets and reporting with the Research Council of Norway.

Table 10: CENTRAL RADIOCARBON LABORATORY Report 2020

	Report	Budget
	2020	2020
REVENUE:		
R1	<i>Stationbased contributions from ICOS-ERIC</i>	192 100
R2	<i>National contribution Germany (cash)</i>	540 000
R3	<i>National contribution Germany (in-kind)</i>	0
R8	<i>Third party</i>	12 000
R9	<i>Other, donations</i>	0
R10	Total Revenue	744 100
COST:		
C1	Salary costs	272 697
C1.1	<i>Salary costs (incl. employer's contributions)</i>	272 697
C1.2	<i>Salary side costs</i>	0
C2	Equipment costs	39 584
C3	Operating costs	288 252
C3.1	<i>Travel</i>	2 080
C3.2	<i>Rent and running costs for buildings (e. g. electricity, heating, water)</i>	123 524
C3.3	<i>Consumables and other costs</i>	47 293
C3.4	<i>Assignments to third parties</i>	115 355
C4	Overhead costs	64 414
C5	Total Costs	664 947
T1	Result of the year (0,+/-)	79 153
P1	Total person months:	56
		65

Explanatory notes:

Assignments to third parties include the cost for AMS 14C analysis and external IT support.

The overhead is calculated as: 20% of Salary costs, travel and consumables.

Salary costs are lower than planned since: a) PhD only recruited in August, b) Technician on parental leave, c) Head of CRL partly paid by RINGO

Equipment costs include an in-situ NOx instrument for the CRL-pilot station to investigate NOx as additional ffCO2 proxy

Rent and running costs include 19,486€ for Subsequent payment for the years 2017, 2018 and 2019.

Table 11: FLASK CALIBRATION FACILITY Report 2020

		Report	Budget
		2020	2020
REVENUE:			
R1	Stationbased contributions from ICOS-ERIC	309 000	277 500
R2	National contribution Germany (cash)	1 060 000	1 060 000
R3	National contribution Germany (in-kind)	0	0
R8	Third party	0	0
R9	Other, donations	123 935	0
R10	Total Revenue	1 492 935	1 337 500
COST:			
C1	Salary costs	684 186	732 000
	<i>Salary costs (incl. employer's contributions)</i>		
C1.1		684 186	732 000
C1.2	<i>Salary side costs</i>	0	0
C2	Equipment costs	40 567	35 000
C3	Operating costs	292 122	440 000
C3.1	<i>Travel</i>	1 052	15 000
	<i>Rent and running costs for buildings (e.g. electricity, heating, water)</i>		
C3.2		167 873	145 000
C3.3	<i>consumables and other costs</i>	123 197	270 000
C3.4	<i>Assignments to third parties</i>	0	10 000
C4	Overhead costs	80 363	129 000
C5	Total Costs	1 097 238	1 336 000
T1	Result of the year (0,+/-)	395 696	1 500
P1	Total person months:	123	143

Explanatory notes:

Travel cost: 1,052 €

Other explanatory notes:

R9 (Other / donations): refund of costs of the production of ICOS flask samplers by the FCL in the years 2019 and 2020 from sale revenues.

C1 (salary costs): salary costs did not fully incur as we had 3 paternal leaves and one long-term sick colleague in 2020 that could not all be replaced by additionally hired staff.

C3.1: all travelling starting mid-March was suppressed due to the Covid pandemic

C3.2 (buildings): the case of withheld utility payments to the landlord is still not solved. No such payments have been made in 2020 but are expected to become due some time.

C3.3: home office situation enforced by the Covid pandemic and temporarily absent staff (parental leaves) required a focus on core activities and reduced consumable costs associated with intended instrument developments that could not be realized

C3.4: a change in the database developer and the Covid pandemic did not allow for addressing the project that an IT consultant was intended to be hired

C4: The overhead is calculated as: 10% of salary costs paid by National contribution (Federal Ministry for Transportation) minus the refunded salary costs in R9 (114.863,90 €). 25% flat rate on all costs (93.723,89 €) paid by ICOS-ERIC membership contributions (as in H2020).

Equity Ratio

The Equity Ratio is one of the financial KPI recommended by the Evaluation Committee. The annual values of the equity ratio are calculated from the yearly balance sheet of the Financial Statements.

The total Equity is divided by the total Equity and Liabilities.

	Equity	Assets	Equity Ratio
2017	1,079,754	2,089,632	52 %
2018	890,626	1,853,203	48 %
2019	977,991	2,157,410	45 %
2020 (preliminary)	1,190,73	2,380,184	50 %