

# Financial Board meeting

G. Testera, 13 Sep 2023

# Common funds: sharing rule

## Consensus reached during the July 2023 meeting

- Each year (by June 1, except this year ) we count the number of Authors of the Collaboration papers, following our collaboration authorship rules.
- We define the number of **active authors**  $N_A$  as the number of authors of the Collaboration papers minus the number of authors in the **grace period** (the ones who left the collaboration but still have the right to sign papers).
- We count the number  $N_i$  of active authors affiliated to Institutions represented in the MoU by the same Funding Agency or Institution.
  - Phd students contribute to  $N_i$
  - If an author has a multiple affiliation, he/she contributes to  $N_i$  for the Institute providing his/her contract.
- The fraction  $N_i / N_A$  is used to calculate the amount of common fund due by each Funding Agency/Institution every year.

# Common funds: preliminary exercise

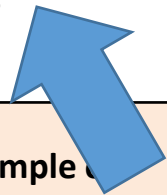
The table in the next page uses a version of the collaboration file list that should be updated

Use the numbers as reference, just for discussion

The advisory board is working to update the collaboration list

Numbers about the costs come from the baseline cost book (subtracting what is not approved)

400 k x Ni/NA  
 Contributions proportional  
 to the number of authors  
**Russian included**



Funding Agency	Sum of Is Author	Sum of Grace	Active Authors	Fraction of the active authors %	Budget	Fraction of the total budget %	Comment	Country	Example of common funds contribution, assuming 400 k/y total
AEI	13	1	12	4.94	€ 1,042,250	1.0	CostBook +108k	Spain	€ 19,753
Brazil	2	0	2	0.82	€ 218,538	0.2		Brazil	€ 3,292
CAS	4	0	4	1.65	€ 523,183	0.5	MAECI/MOSF removed	China	€ 6,584
CFI	18	0	18	7.41	€ 9,541,941	9.2	CFI DarkSide 2 removed	Canada	€ 29,630
DOE	6	1	5	2.06	€ 7,177,981	6.9		USA	€ 8,230
IN2P3	12	1	11	4.53	€ 220,000	0.2		France	€ 18,107
INFN	110	14	96	39.51	€ 68,791,447	66.1	MAECI/MOSF removed	Italy	€ 158,025
NSF	33	2	31	12.76	€ 14,428,758	13.9	Midscale+ Other US	USA	€ 51,029
Poland-FNP	10	0	10	6.58	€ 400,000	0.4		Polland	€ 26,337
Poland-NCNP	6	0	6		€ 35,000				
Russia	18	0	18	7.41	€ 22,500	0.0		Russia	€ 29,630
STFC	27	0	27	11.11	€ 1,673,258	1.6		UK	€ 44,444
SNSF	3	0	3	1.23	€ 35,000	0.0		Switzerland	€ 4,938
<b>Grand Total</b>	<b>262</b>	<b>19</b>	<b>243</b>	<b>100.00</b>	<b>€ 104,109,856</b>		unassigned/unfunded not included		

400 k x Ni/NA

Contributions proportional to the number of authors

**Russian not included**



Funding Agency	Sum of Is Author	Sum of Grace	Active Authors	Fraction of the active authors %	Budget	Fraction of the total budget %	Comment	Country	Example of common funds contributions, assuming 400 k total
AEI	13	1	12	5.33	€ 1,042,250	1.0	CostBook +108k	Spain	€ 21,333
Brazil	2	0	2	0.89	€ 218,538	0.2		Brazil	€ 3,556
CAS	4	0	4	1.78	€ 523,183	0.5	MAECI/MOSF removed	China	€ 7,111
CFI	18	0	18	8.00	€ 9,541,941	9.2	CFI DarkSide 2 removed	Canada	€ 32,000
DOE	6	1	5	2.22	€ 7,177,981	6.9		USA	€ 8,889
IN2P3	12	1	11	4.89	€ 220,000	0.2		France	€ 19,556
INFN	110	14	96	42.67	€ 68,791,447	66.1	MAECI/MOSF removed	Italy	€ 170,667
NSF	33	2	31	13.78	€ 14,428,758	13.9	Midscale+ Other US	USA	€ 55,111
Poland-FNP	10	0	10	7.11	€ 400,000	0.4		Polland	€ 28,444
Poland-NCNP	6	0	6		€ 35,000				
Russia	18	0	0	0.00	€ 22,500	0.0		Russia	€ -
STFC	27	0	27	12.00	€ 1,673,258	1.6		UK	€ 48,000
SNSF	3	0	3	1.33	€ 35,000	0.0		Switzerland	€ 5,333
<b>Grand Total</b>	<b>262</b>	<b>19</b>	<b>225</b>	<b>100.00</b>	<b>€ 104,109,856</b>		unassigned/unfunded not included		

# Common funds: sharing rule

To be discussed

1. setting or not a minimum threshold for the contribution
  1. Option 1.a) no threshold
  2. Option 1.b) set a minimum threshold ( 5% of the total??, or at least 10 k ?)
2. Compare fraction of authors and fraction of budget: see the table on the previous page
3. Common fund entry ticket for new Funding Agencies joining in the future
  1. Option 3.a) 2 years of past common funds + the fraction corresponding to the present year
  2. Option 3.b) ??
4. List of items belonging to common funds (2024): see next table
5. Perspectives for the coming years  
difficult to make estimation  
set a maximum reasonable value/year (400 k?)

# Common funds: preliminary list of possible items for the year 2024, to be discussed

<b>item</b>		<b>Cost estimation (year 2024)</b>
Nitrogen in NOA	0.164 Euro/litre 20000 litre/months	€ 40,000
Nitrogen for mockup		€ 5,000
Argon for mockup		€ 5,000
Consumables for clean rooms (CR2,CR3, clean room top cryostat)		€ 25,000
Computing resources available to the whole collab.	CNAF estimation 2024	€ 120,000
Contract for 1 technician	Italian salary, 45 k/ year	€ 45,000
Per diem, support for technician travelling and working in LNGS (medium-long stay)		€ 60,000
Purchase of urgent items		€ 60,000
Contract for crane operator in Hall C		€ 40,000
<b>TOTAL</b>		<b>€ 400,000</b>

# Mockup costs

List in preparation by Bianca and Ako

<https://www.notion.so/ds-20k/18bdb034e8b7492a9e3476a9c556223d?v=9d33e2e4af3e400da7ecab3572563711>

	PU kEuro	INFN kEuro	total (kEuro)
Order not started	15.7	3.7	19.4
Order Sent	4.3	9	13.3
In delivery	35.6	0	35.6
Received	4.55	3.75	8.3
Crane operator (check)		15	15
Transport from CERN		10	10
Total	60.15	41.45	101.6