



Financial Report

GOOS Observations Coordination Group

Brest, France

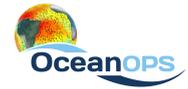
May 2023

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Joint WMO-IOC Centre for Oceanography and Marine Meteorology
in-situ Observations Programme Support



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1. INTRODUCTION

This document provides the yearly OceanOPS financial report for calendar year 2022, the interim budget for 2023 and the anticipated budget for 2024.

The interim and anticipated budgets will be validated by OCG during the upcoming OCG-14 meeting in May 2023.

All official statements account and budget information can be requested to Emanuela Rusciano erusciano@ocean-ops.org

OceanOPS thanks all its sponsors and acknowledges their contribution to its budget on its [homepage](#)

Disclaimer

The information provided in this report could be affected by a small percentage of error due to the different currency rate exchanges in the different Trust Funds. All tables visible in this report are linked to the budget management table and can be updated. Some small discrepancies can then appear temporarily with the narrative part.

2. OVERVIEW

The OceanOPS budget has been rather stable over the 2020-2023 period, with 980k\$ of incomes and 930 k\$ of expenses on average (see charts below). This is in theory an ideal budget to ensure the core functions of the team. However, only 740k\$ of the incomes are truly stable (see generic budget table below). Regular contributions from Networks, generally flat, are not sufficient to sustain our staff and activities and we have noted a small decrease in these in the post pandemic period.

Extras contributions from new partners, or projects (European) offer a well appreciated temporary buffer, but they should be used for developments and not for absorbing budget deficits.

We should recognize as well that the WMO contributions into OceanOPS came at the right timing to avoid difficult choices in staff management.

The contributions are received all along the year from about 20 sources and the diversity and irregularity increase considerably the administrative efforts that are required by OceanOPS and both secretariats to sustain staff and ensure activities.

The fragmentation of the budget into different Trust Funds is also a challenge that we are working on. Most of OceanOSP's budget is now gradually transferred to WMO, for a more efficient management. We also start to benefit from the WMO Finance Department experts to design a stable plan for the future.

OceanOPS needs to raise 300 k\$ of stable contributions per year to:

i) stabilize its current team

ii) allow some reasonable developments and activities to complete its 2021-25 strategic plan.

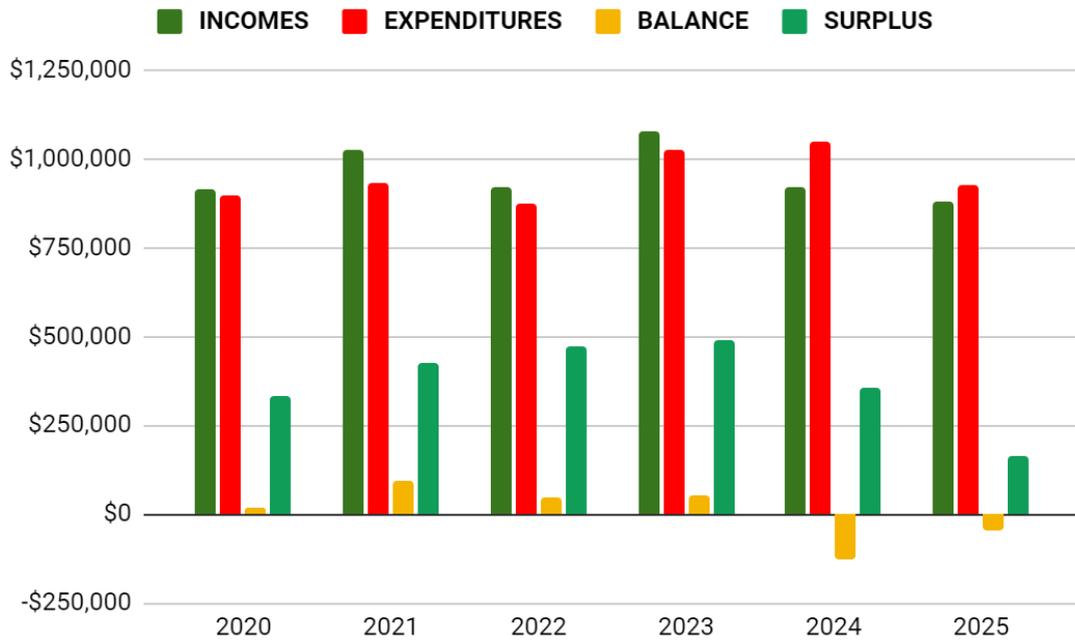
A fundraising strategy is being developed and will rely on progress to be made with the host country France (through national, regional, institutional mechanisms), the European Union and larger IOC/UNESCO and WMO initiatives to support and grow the GOOS, including its coordination infrastructure in which OceanOPS is a major piece.

Waiting for these initiatives to be fruitful, OceanOPS has lost its IT development capacity (at a moment where it should grow to enable an efficient migration, upgrade the IT infrastructure and answer the growing demands from networks), and limit mission travels to a strict minimum.

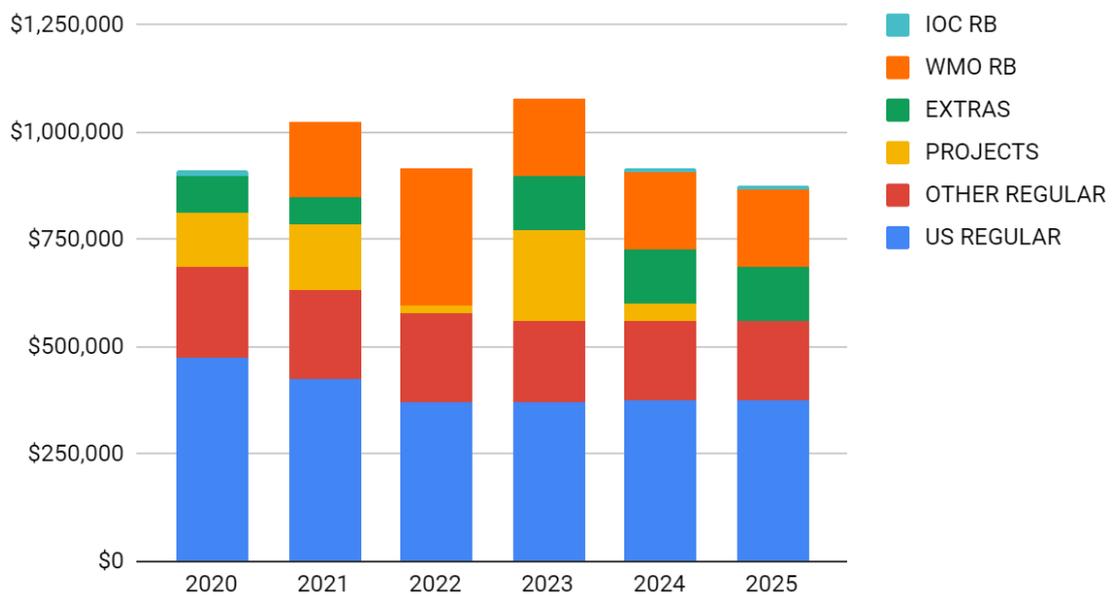
An increased, diversified and balanced support from Networks, supporting only 45% of OceanOPS budget today, would be most welcome to sustain OceanOPS stability and development.

The 2024-25 envisioned trajectory is not sustainable as it, and we will shortly start eating into our savings which are critical to obligate in advance the salaries, last step before cutting on staff.

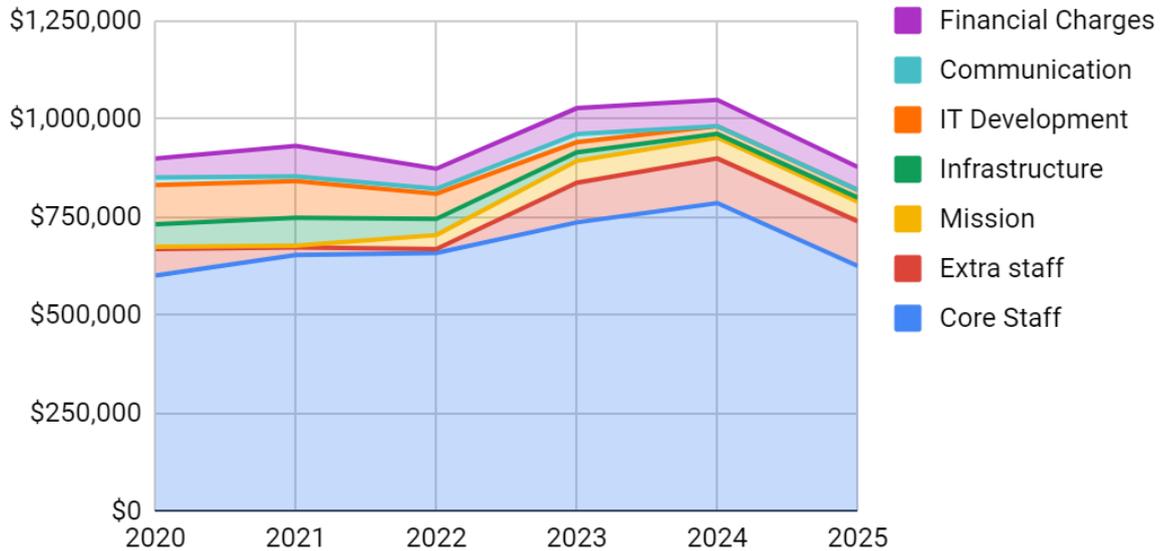
Following charts show the trends of OceanOPS incomes, expenses and balance over 2020-2025.



INCOMES



EXPENSES



Here below is showed an ideal yearly budget to run OceanOPS and properly its staff and activities:

| Item | USD \$ |
|--|---------------|
| INCOMES | |
| USA REGULAR | 375000 |
| WMO REGULAR | 180000 |
| OTHER REGULAR | 185000 |
| TOTAL AVAILABLE BUDGET | 740000 |
| EXPENSES | |
| OceanOPS Manager - MB | 160000 |
| TC Argo / OceanGliders position - VT | 110000 |
| TC DBCP / OceanSITES position - LJ | 120000 |
| TC SOT/GO-SHIP/Cruises position - MK | 130000 |
| I.T. Engineer position - AL | 110000 |
| TC Science Communication position - ER | 110000 |
| Metadata/DB assistant - MKR | 60000 |
| TOTAL STAFF | 800000 |
| Manager | 12500 |
| TC Argo/OceanGliders travels | 10000 |
| TC DBCP/OceanSITES travels | 10000 |
| TC SOT/GO-SHIP travels | 10000 |

| | |
|---|----------------|
| I.T. Engineer travels | 2500 |
| Metadata/DB assistant - G4 | 2500 |
| TC Science Communication travels | 2500 |
| TOTAL MISSION | 50000 |
| I.T. Hosting (Cloud) | 40000 |
| Activities (meetings, supplies, misc.) | 10000 |
| TOTAL INFRASTRUCTURE | 50000 |
| OVERHEAD | 50000 |
| TOTAL OPERATIONAL BUDGET (EXPENSES) | 950000 |
| Project #1: Report Card Design/Printing - Comm. | 20000 |
| Project #2: Routine Web Development 12 months | 80000 |
| TOTAL DEVELOPMENTS / PROJECTS | 100000 |
| TOTAL EXPENSES | 1050000 |
| BALANCE | -310000 |

3. CONTRIBUTIONS 2022

During 2022, **899k\$** were received (vs 805k\$ in 2021, 900k\$ in 2020, and 1M\$ in 2019).

The total includes funds provided by national voluntary contributions, WMO regular budget and European Projects across the IOC and WMO managed Trust Funds and project budget lines.

Project funding was almost non-existent in the 2022 budget and this is the main reason for the overall income decrease.

National contributions are always fluctuating in a calendar year view (and some contributions can be delayed and marked in the next calendar year) but a few countries seem to have been impacted by the pandemic period.

6 GOOS OCG Networks/Panels have been contributing to OceanOPS 2022 budget: Argo, DBCP, SOT, OceanSITES, OceanGliders, GO-SHIP.

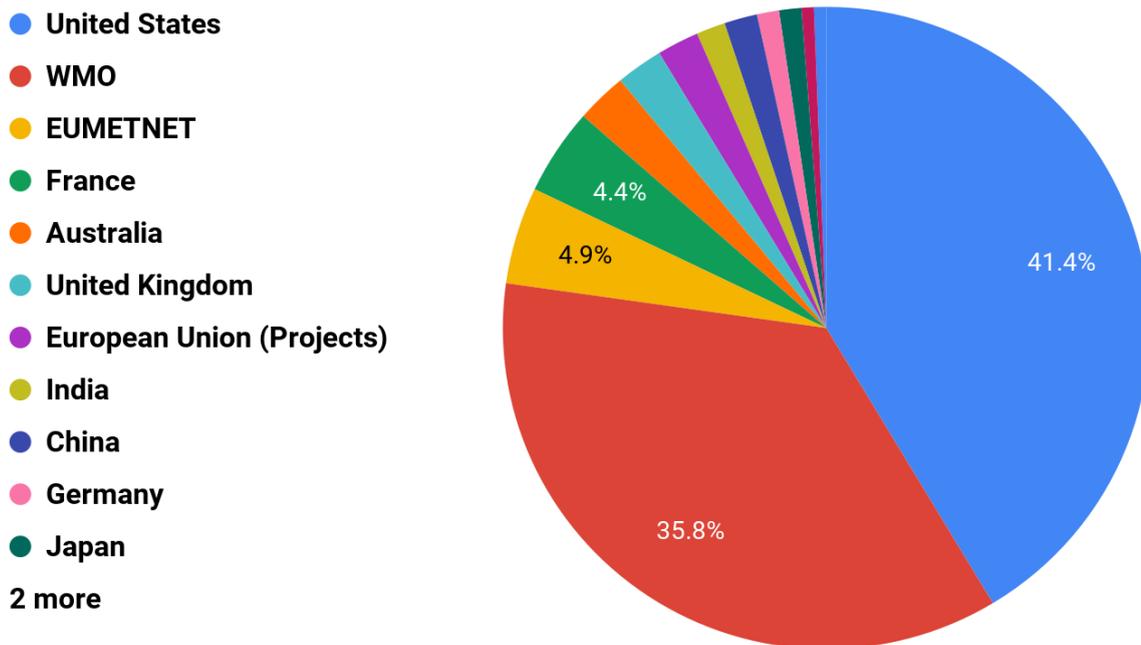
2022 contributions highlights:

- WMO has sustained its investment into OceanOPS supporting the firm establishment of the OceanOPS manager position as well as some of the infrastructure costs (as contracted with CLS), and ad hoc travels, for an estimated total support of 322 k\$. WMO has provided as well a one-off support of 150k\$ to help build cash flow.
- Regular national contributions from Networks are still diversified but decreasing around 558 k\$ per year (vs 628 k\$ in 2021 and 699 k\$ in 2020)
- USA/NOAA has reduced its contribution (from 475 in 2020 k\$ to 425 k\$ in 2021, and to 372k\$ in 2022)
- South Africa and New Zealand (DBCP) have skipped their contributions in 2022

- Monaco contribution (commitment received for 2 years) for the BCG/Med. Sea coordinator has been skipped pending the recruitment to be finalized and arrived in 2023
- Environment of Canada contribution (DBCP) is delayed in 2023
- EMODnet contribution committed in 2022 is delayed in 2023
- SOA-China contribution in favor of BGC-Argo position was not renewed in 2022
- European Projects (EuroSea and Euro-Argo RISE) are reaching their end and the few remaining funds will be received in 2023. The TRUSTED project (HRSST drifters) is still participating in the budget increase at the level of 7k\$ per year.
- No funds were received from the GOOS central office/budget (anticipated for the support to the 2022 Report Card production)

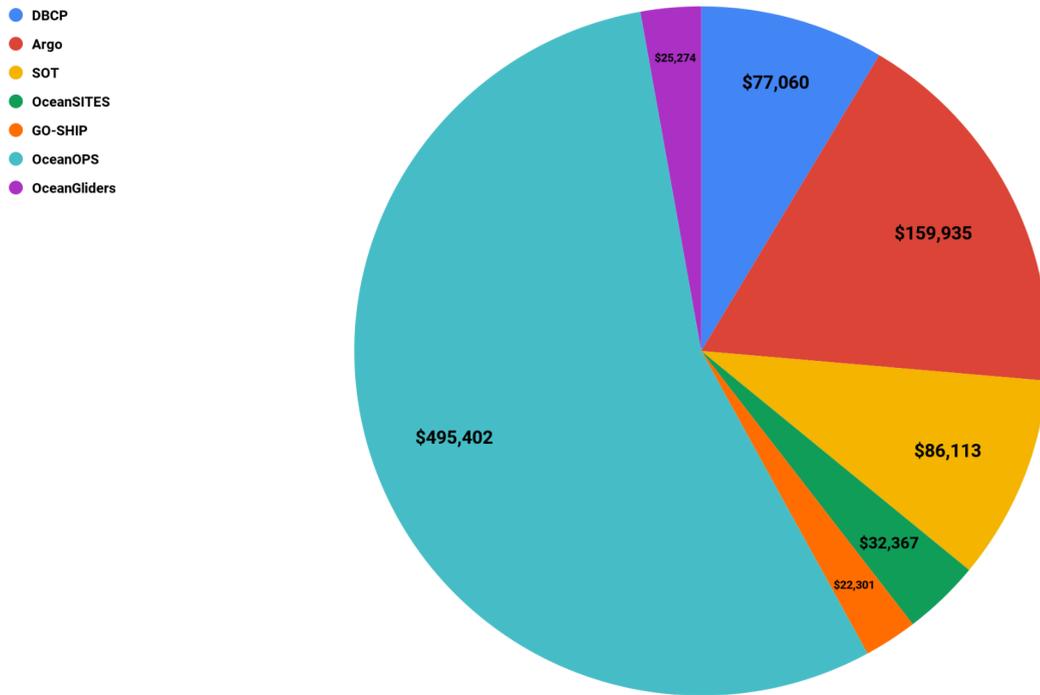
Following charts provides the distribution of incomes per Network in 2022, and the 2020-23 trends.

2022 OceanOPS Total Contributions by Countries + EU Projects



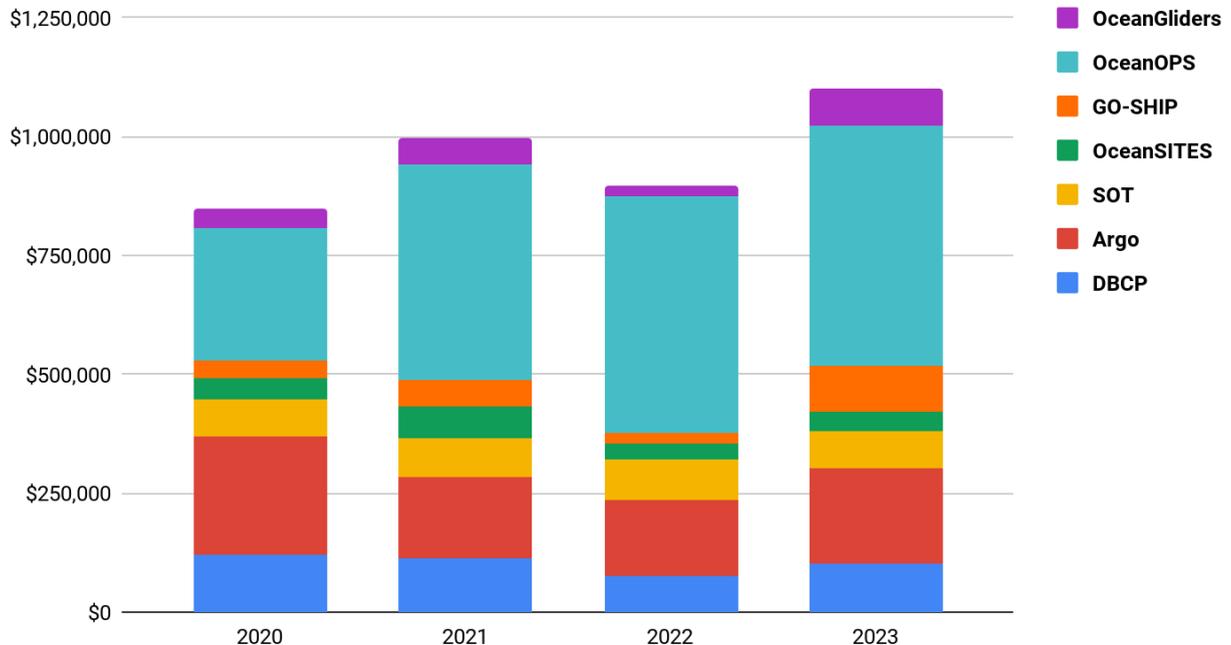
Note: The European contributions ([EUMETNET](#), EMODNET, EuroArgo) represented 6% of the 2022 budget.

2022 Contributions by Networks (including EU Projects contributions)



Note: contributions tagged OceanOPS are provided by WMO, USA, France and European Projects for integrated support to GOOS OCG networks (funds are not targeted to a specific Network/Panel).

Contributions by Networks (including EU Projects and 2023 estimation)



OceanSITES, OceanGliders, GO-SHIP, DBCP and SOT are encouraged to increase and diversify the sources of their contributions (target ~120 k\$/year, see [2021 OCG report](#)) to help OceanOPS to sustain this support:

- OceanSITES support comes from the USA, Australia and France (32 k\$).
- OceanGliders support comes from the USA (25k\$).
- GO-SHIP support comes from the USA (22 k\$).
- DBCP support comes from the USA, EUMETNET, India, Canada, Australia, New Zealand (103 k\$). Even if in 2022 Australia's contribution for 2022 was received in December 2021, the Canada contribution for fiscal year 2022-23 was received in February 2023 and New Zealand contribution was canceled for a total amount contribution in 2022 of 77k\$.
- SOT support comes from the USA, EUMETNET, Germany, and Australia (86 k\$).

As a comparison, Argo support into OceanOPS in 2022 (160 k\$) came from: USA, Euro-Argo, France, UK, Canada, India, Japan, Australia, Germany, Italy, China.

It is important to note that the EuroSea project has been used as a mechanism for some of these Networks, in Europe, to support OceanOPS activities, but the project is ending, so it didn't generate funding in 2022 and the 2023 funding will be very modest.

4. CONSOLIDATED 2022 ACCOUNTING

OceanOPS operated in 2022 with 1.34 M\$ available budget, including 444 k\$ of carry forward, and spent 873 k\$ (vs 931 k\$ in 2021). Yearly balance was positive¹, and carry forward at the end of year was maintained at the same level as the past year (471k\$).

The year 2022 represented an important step forward in the implementation of OceanOPS 5-year strategic plan with the stabilization and upgrade of OceanOPS core staff at WMO.

OceanOPS saved funds on overall staff costs with the manager position supported by WMO regular budget.

The Argo Technical Coordinator position was then replaced, merged with OceanGliders support and generalized to a “mobile subsurface systems focal point” (including as well potential support for AniBOS as far as funding allows). Position was changed from P3 to P2 level. Without this, the OceanGliders position was unsustainable at IOC and would have been stopped by 2022.

The upgrade of the IT manager position at WMO represented an additional investment. The contractual agreement with CLS was amended accordingly and some in-kind support provided by CLS for the IT position was lost.

The OceanOPS metadata expert position is now considered as essential for OceanOPS efficiency and thus part of the core staff and sustained in our 2022 budget.

A “BGC Argo/Regional Coordinator” position was established in the Mediterranean Sea, as a pilot for a new OceanOPS regional node in Monaco and project office support for the developing BGC-Argo mission. The voluntary contributions received from Monaco and China in 2020/21 have permitted the start of this position as of Nov. 1st 2022 but the funding base is insufficient to sustain this self-funded pilot after 2023. While OceanOPS will include this new activity in its fundraising strategy, we note that except China, none of the 16 BGC-Argo implementing countries (see [map](#)) are contributing.

The travel budget in 2022 was very modest (35 k\$ for 8 staff), by international context, but also by choice to make savings for strengthening staff positions.

The Argo/OceanGliders TC travel budget was more important with a long mission to the USA to meet with main implementing agencies and partners in his first year of work.

We can note as well that WMO regular budget covered some ad-hoc missions (e.g. Ocean Conference in Lisbon) embedding OceanOPS staff in its delegation.

The TC DBCP had also a mission in China to meet with main agencies, at a marginal cost as this was done during his home leave.

¹ recalling we can't spend any funds that are not available in IOC and WMO TF.

The web developments, essential for OceanOPS delivery, were rather good for a year (65 k\$) until we decided on a hard stop in October 2022 to make further savings on budget.

OceanOPS budget covered all of the GOOS Report Card production costs, as the GOOS project office funding could not participate in 2022.

2022 Budget:

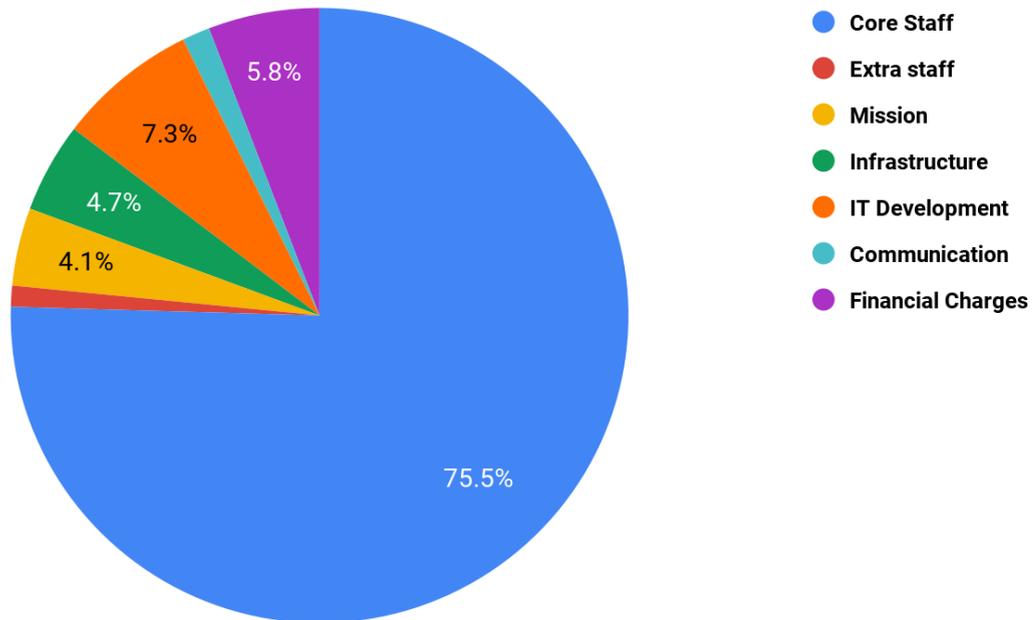
| Item / USD \$ | IOC RB | WMO RB | WMO/WHO I TF | DBCP TF | IOC TF | CLS TF | 2022 BUDGET |
|--|--------|----------------|-----------------|----------------|----------------|---------------|------------------|
| INCOMES | | | | | | | |
| CARRY FORWARD AT 2022-01-01 | | | 129,448 | 105,970 | 190,381 | 18,477 | 444,276 |
| CONTRIBUTIONS | | | 371,679 | 51,777 | 106,152 | 28,404 | 558,012 |
| TRUSTED Project | | | | | | 7,957 | 7,957 |
| WMO one off support for cashflow | | | 152,343 | | | | 152,343 |
| EuroSea IOC 2/3 - (ER salary 2/12) | | | | | 10,833 | | 10,833 |
| GOOS | | | | | | | 0 |
| WMO/IOC RB estimation | | 170,000 | | | | | 170,000 |
| TOTAL AVAILABLE BUDGET 2020 | | 170,000 | 653,470 | 157,747 | 307,366 | 54,838 | 1,343,421 |
| EXPENSES | | | | | | | |
| TC BGC Argo / Med. Sea start up | | | | | | | 0 |
| OceanOPS Lead | | 160,000 | 0 | | | | 160,000 |
| TC Argo/Gliders SSA (feb-may) | | | 25,256 | | | | 25,256 |
| TC Argo / OceanGliders position (7 months) | | | 48,294 | | | | 48,294 |
| TC DBCP / OceanSITES position | | | 119,000 | 110 | | | 119,110 |
| TC SOT/GO-SHIP/Cruises position | | | 125,000 | 103 | | | 125,103 |
| I.T. Engineer position | | | 31,875 | 44,371 | | | 76,246 |
| TC Science Communication position | | | | | 54,167 | | 54,167 |
| Metadata/DB assistant - G4 (12 months) | | | | 50,256 | | | 50,256 |
| TC BGC Argo / Med. Sea (2 months % FTE) | | | | | 9,600 | | 9,600 |
| TOTAL STAFF | | 160,000 | 349,425 | 94,841 | 63,767 | 0 | 668,033 |
| OceanOPS Lead travels | | 5,000 | | 2,476 | | | 7,476 |
| TC Argo/OceanGliders travels | | | | 15,147 | | | 15,147 |
| TC DBCP/OceanSITES travels | | 5,000 | | 4,531 | | | 9,531 |
| TC SOT/GO-SHIP travels | | | | | 705 | | 705 |
| I.T. Engineer travels | | | | | | | 0 |
| Metadata/DB assistant - G4 | | | | | | | 0 |
| TC Science Communication travels | | | | | 1,551 | | 1,551 |
| TC BGC Argo / Med. Sea (6 months) | | | | | 1,326 | | 1,326 |

| | | | | | | | |
|--|---|---------|---------|----------|---------|--------|---------|
| TOTAL MISSION | | 10,000 | 0 | 22,154 | 3,582 | | 35,736 |
| I.T. Hosting (Cloud) | | | | 41,207 | | | 41,207 |
| Activities (meetings, supplies, misc.) | | | | | | 1,437 | 1,437 |
| TOTAL INFRASTRUCTURE | | | 0 | 41,207 | 0 | 1,437 | 42,644 |
| OVERHEAD | | | 24,460 | 21,674 | 4,714 | 0 | 50,848 |
| TOTAL OPERATIONAL BUDGET (EXPENSES) | | 170,000 | 373,885 | 179,876 | 72,063 | 1,437 | 797,261 |
| Project #1: Communication (Report Card) | 0 | | | | | 11,282 | 11,282 |
| Project #2: Web Developments 3 months (Jan-Mar)(4/5) | | | | | | 21,255 | 21,255 |
| Project #3 Web developments 3 + 3 months (Apr-Jun/July/August)(4/5) | | | | 27,970 | | | 27,970 |
| Project #4: Web Developments 2 months (Sep/Oct) (4/5) | | | | | | 14,882 | 14,882 |
| TOTAL DEVELOPMENTS / PROJECTS | | | 0 | 27,970 | 0 | 47,418 | 75,388 |
| TOTAL EXPENSES | | 170,000 | 373,885 | 207,846 | 72,063 | 48,855 | 872,649 |
| BALANCE 2022-12-31 | | 0 | 279,585 | (50,099) | 235,302 | 5,983 | 470,771 |

2022 Expenditures, by type:

| EXPENSES 2022 | |
|-------------------|------------------|
| Core Staff | \$658,433 |
| Extra staff | \$9,600 |
| Mission | \$35,736 |
| Infrastructure | \$41,207 |
| IT Development | \$64,107 |
| Communication | \$12,718 |
| Financial Charges | \$50,848 |
| TOTAL | \$872,649 |

2022 OceanOPS Expenditures



Balance:

2022 yearly contributions + carried over (1,343 M\$) – 2022 Expenditures (872 K\$) = 471 K\$.

Carried over at 01 January 2023 is 471 K\$ including carry forward from national contributions and projects. This carry forward is somehow artificial, and revealed at a given time. Most of these funds are already engaged to cover staff salaries for the next year.

In 2022, OceanOPS has managed its operational budget carefully and sustained its activities while strengthening key positions with reduced expenses, and a slight increased carry forward level. This carry forward (in particular at IOC) includes a reserve to enable the full time position to support the BGC-Argo position and the Mediterranean OceanOPS node but also a true surplus of about 150 k\$.

The negative balance at WMO/DBCP TF is mainly due to some missing or delayed contributions in the DBCP Trust Funds and EU project internal funding management (funds arrive after the expense is done). This will be resolved early 2023.

Remaining carry forward at WMO (279k\$ on WHOI TF) will be fully used to renew contracts as needed.

5. INTERIM BUDGET 2023

The 2023 anticipated budget shows a slight increase in incomes and expenses over the previous year mainly because i) new project funds will arrive and ii) new staff/positions established during 2022 will run for 12 months. However, OceanOPS will keep doing savings on mission travels and developments to strengthen the remaining core staff position (Communication officer) in 2024.

Here are some highlights for the 2023 budget:

Incomes:

- Regular national contributions are expected to be stable (560 k\$).
- An important complement of EU projects (EuroArgo-Rise, EuroSea, TRUSTED-2, GROOM, GO-SHIP)² is expected (~207k\$, but most of those projects are ending and only 40K\$ will be arriving in 2024.
- Monaco contribution will be renewed after the establishment of the BGC-Argo/Regional position and is awaiting a proposal for future support.
- EMODnet delayed contribution for 2022, and the 2023 contribution should arrive, while a new agreement should be signed for the next few years.
- WMO will continue to contribute to the budget through the support to the Manager position, and ad-hoc missions.
- IOC/UNESCO will not be able to participate in the GOOS Report Card production costs (11k\$) via GOOS budget, but there is a commitment for 2024.

Expenses:

- Overall staff net cost will increase from 668K\$ in 2022 to 836K\$ in 2023 due to the new BGC-Argo Coordinator recruitment, IT Engineer moving from CLS to WMO, as well as salaries increase due to inflation.
- Travel budget will be increased compared to 2022 (75k\$) as a number of in-person meetings are compulsory (and costs depend where they are held), even if the ambition is to keep them to the strict minimum. We count as well on WMO ad-hoc help, in particular when the team is expected in Geneva (e.g. Infrastructure Department retreat, Congress, etc.).
- Web developments are reduced to the strict minimum (3 months, with $\frac{3}{5}$ FTE) to make the necessary maintenance and small evolutions, but this doesn't enable any major development.
- One staff member should be recruited temporarily for 16 weeks to compensate for the Argo coordinator's parental leave. It is planned to recruit a technical expert to help with IT developments, migration of our I.S. from Toulouse to Brest and urgent web developments (for Argo and beyond). This should be covered on WMO common costs.
- The agreement with Ifremer for the I.S. hosting is being discussed and the final cost is unknown yet (currently, it is 42 k\$/year with CLS).

² respectively floats, drifters, gliders specific EU projects.

2023 Budget:

| Item / USD \$ | IOC/GOOS RB | WMO RB | WMO/WHOI TF | DBCP TF | IOC TF | CLS TF | 2023 BUDGET |
|---|-------------|----------------|----------------|----------------|----------------|---------------|------------------|
| INCOMES | | | | | | | |
| CARRY FORWARD AT 2023-01-01 (FIN Statement) | | | 256,252 | (31,739) | 234,277 | 5,983 | 464,773 |
| EXPECTED CONTRIBUTIONS | | | 371,679 | 75,000 | 0 | 23,138 | 469,817 |
| CONTRIBUTIONS TO IOC REDIRECTED TO WMO | | | | 85,000 | | | 85,000 |
| CONTRIBUTIONS TO CLS REDIRECTED TO WMO | | | | 5,000 | | | 5,000 |
| TRUSTED | | | | 0 | | 12,169 | 12,169 |
| Monaco 2/2 | | | | 0 | 76,838 | | 76,838 |
| WMO/IOC regular contribution estimated | | 185,000 | | 0 | | | 185,000 |
| EuroSea IOC 2/3 (ER salary 2/12) | | | | 0 | 10,833 | | 10,833 |
| EuroSea WMO 3/3 | | | | 39,404 | | | 39,404 |
| EuroSea WMO new WP OceanObservers | | | | 5,000 | | | 5,000 |
| EuroSea IOC 3/3 | | | | 0 | 43,332 | | 43,332 |
| <i>EU Argo RISE - FINAL</i> | | | | 5,014 | | | |
| <i>EU GROOM</i> | | | | 41,250 | | | 41,250 |
| <i>EU GO-SHIP</i> | | | | 54,998 | | | 54,998 |
| <i>EMODNET 1/2 and 2/2 ?</i> | | | | 0 | 50,000 | | 50,000 |
| TOTAL AVAILABLE BUDGET 2023 | 0 | 185,000 | 627,931 | 278,928 | 415,280 | 41,289 | 1,548,428 |
| EXPENSES | | | | | | | |
| OceanOPS Manager - MB | | 160,000 | | | | | 160,000 |
| TC Argo / OceanGliders position - VT | | | 109,056 | | | | 109,056 |
| TC DBCP / OceanSITES position - LJ | | | 121,255 | | | | 121,255 |
| TC SOT/GO-SHIP/Cruises position - MK | | | 127,569 | | | | 127,569 |
| I.T. Engineer position - AL | | | 45,440 | 63,616 | | | 109,056 |
| TC Science Communication position - ER | | | | | 60,000 | | 60,000 |
| Metadata/DB assistant - MKR | | | | 49,103 | | | 49,103 |
| TC BGC Argo / Med. Sea (3 months- 3/5 FTE) | | | | | 15,258 | | 15,258 |
| TC BGC Argo / Med. Sea (9 months- 5/5 FTE) | | | | | 85,500 | | 85,500 |
| TOTAL STAFF | | 160,000 | 403,320 | 112,719 | 160,758 | 0 | 836,797 |
| Manager | | 5,000 | | | 9,667 | | 14,667 |
| TC Argo/OceanGliders travels | | 2,500 | | 2,100 | 3,358 | | 7,958 |
| TC DBCP/OceanSITES travels | | 2,500 | | 1,500 | 3,000 | | 7,000 |
| TC SOT/GO-SHIP travels | | 5,000 | | 3,000 | 1,575 | | 9,575 |

| | | | | | | | |
|--|----------|----------------|----------------|----------------|----------------|---------------|------------------|
| I.T. Engineer travels | | 2,500 | | | 2,500 | | 5,000 |
| Metadata/DB assistant - G4 | | 2,500 | | 1,307 | 2,500 | | 6,307 |
| TC Science Communication travels | | 2,500 | | | 2,500 | | 5,000 |
| TC BGC Argo / Med. Sea (6 months) | | 2,500 | | | 8,000 | | 10,500 |
| MISSION TO BE DEFINED | | | | | 10,000 | | 10,000 |
| TOTAL MISSION | | 25,000 | 0 | 7,907 | 43,100 | | 76,007 |
| I.T. Hosting (CLS) | | | | 21,583 | | | 21,583 |
| I.T. Hosting (CLS) migration 6 months extra | | | | 21,583 | | | 21,583 |
| Activities (meetings, supplies, shipping, misc.) | | | | | | 10,000 | 10,000 |
| TOTAL INFRASTRUCTURE | | 0 | 0 | 43,166 | 0 | 10,000 | 53,166 |
| OVERHEAD | | | 28,232 | 23,124 | 14,270 | 0 | 65,626 |
| TOTAL OPERATIONAL BUDGET (EXPENSES) | | 185,000 | 431,552 | 186,916 | 218,128 | 10,000 | 1,031,597 |
| Project #1: Report Card Design/Printing | | | | 0 | | 10,000 | 10,000 |
| Project #2: Migration I.S. Support 2 months 3/5 FTE | | | | 0 | | 13,000 | 13,000 |
| Project #3: Report Card Web + Web 1 month 3/5 FTE | | | | 0 | | 6,500 | 6,500 |
| TOTAL DEVELOPMENTS / PROJECTS | 0 | | 0 | 0 | 0 | 29,500 | 29,500 |
| TOTAL EXPENSES | | | 431,552 | 186,916 | 218,128 | 39,500 | 1,061,097 |
| BALANCE 2023-12-31 | 0 | 0 | 196,379 | 92,012 | 197,152 | 1,789 | 487,332 |

latest update 15/05/2023

2023 Expenditures:

| EXPENSES | 2023 |
|-------------------|--------------------|
| Staff core | \$736,039 |
| Staff extra | \$100,758 |
| Mission | \$76,007 |
| Infrastructure | \$43,166 |
| IT Development | \$19,500 |
| Communication | \$10,000 |
| Financial Charges | \$65,626 |
| Total | \$1,061,097 |

The year 2023 is marking another important step forward in the implementation of OceanOPS 5-year strategic plan (goal 5: strengthening the infrastructure staff and budget).

All funds historically received at IOC and at CLS are transferred to WMO in order to continue to stabilize and upgrade key resources at WMO.

A business plan to further support OceanOPS was prepared with European Partners, mainly through discussions with EuroGOOS & EOOS, and a specific European call was submitted for this early 2023.

European partners are interested to enable OceanOPS services and integration capabilities to some of the specificities of the European OOS (coastal, biology, etc). If the submitted call is granted, the project will bring 650 k\$ into OceanOPS budget, with an extra manpower for IT development of 6 FTE distributed over European partners and Marine Research Infrastructures. All deliverables of this project led by OceanOPS are in line with its strategic plan.

In 2023 OceanOPS will have 1.55 M\$ of available budget, will spend 1.03 M\$, and will leave 487 k\$ of carry forward. If any margin is identified during the year through new contributions (or projects), priority will be set to IT activities to support the migration and upgrade of the I.S. and keep a reasonable development capacity.

6. ANTICIPATED BUDGET 2024

In 2024 a number of challenges will arise, as EU projects funding will be mostly exhausted.

Noting an ambitious EU project was submitted, and if granted by the EU, it might provide us some breathing.

A new 4-year contract will be signed with NOAA and a slight contribution increase was announced (the level of contribution considered in the table below is then an estimation and to be confirmed).

A challenge will be to stabilize and upgrade a number of remaining staff positions, to respect a minimum of balance and fairness in the team, and align their contract with experience and seniority.

In 2024, and in that order, the Communication officer position should be “transferred” to WMO and upgraded to P2 level, and the Ship Coordinator position upgraded from P2 to P3 (currently on hold/postponed). These changes are feasible with our current budget level and carry forward, but not sustainable (from 2025) without any more resources. This scenario, without any fund increase, shows that we will start eating substantially our carry forward. **We will absolutely need to find additional and regular 100 k\$ in 2023/2024 to make this sustainable.**

Pending positive news to be confirmed, and to sustain core staff as a top priority, travel budget, web developments and communication activities will be decreased to the very strict minimum.

It is expected the Report Card production will be funded by IOC/GOOS while OceanOPS will continue to coordinate its development offering staff support.

OceanOPS will have its I.S. moved to Ifremer, and all related costs (or savings) have not yet been fully identified.

All funds saved at IOC (~130k\$) and the remaining funds received at CLS, if any, will be transferred to WMO early 2024 if a new position for the communication officer can be opened accordingly.

2024 Expenditures plan:

| 2024 Expenditures | |
|-------------------|------------------|
| Staff core | 785,095 |
| Staff extra | 114,000 |
| Mission | 52,500 |
| Infrastructure | 10,000 |
| IT Development | 19,500 |
| Communication | 0 |
| Financial Charges | 66,612 |
| Total | 1,047,707 |

Anticipated 2024 budget:

| Item / USD \$ | IOC/GOOS RB | WMO RB | WMO/WHOI TF | NEW NOAA | DBCP TF | IOC TF | 2024 BUDGET |
|--------------------------------------|---------------|----------------|----------------|----------------|----------------|----------------|------------------|
| INCOMES | | | | | | | |
| CARRY FORWARD AT 2022-01-01 | | | 196,379 | | 91,768 | 197,152 | 485,298 |
| EXPECTED CONTRIBUTIONS | | | | 375,000 | 75,000 | 0 | 450,000 |
| REDIRECTION to WMO | | | | | 110,000 | | 110,000 |
| TRANSFERT FUND IOC to WMO | | | | | 130,000 | (130,000) | 0 |
| Monaco new | | | | | 0 | 77,000 | 77,000 |
| IOC/WMO RB | 10,900 | 180,000 | | | 0 | | 190,900 |
| <i>EU GROOM</i> | | | | | 15,000 | | 15,000 |
| <i>EU GO-SHIP</i> | | | | | 25,000 | | 25,000 |
| <i>EMODNET new - extra</i> | | | | | 50,000 | | 50,000 |
| TOTAL AVAILABLE BUDGET 2023 | 10,900 | 180,000 | 196,379 | 375,000 | 496,768 | 144,152 | 1,403,198 |
| EXPENSES | | | | | | | |
| OceanOPS Manager - MB | | 160,000 | 0 | | 0 | | 160,000 |
| TC Argo / OceanGliders position - VT | | | 54,528 | 54,528 | 0 | | 109,056 |
| TC DBCP / OceanSITES position - LJ | | | 60,627 | 60,627 | 0 | | 121,255 |
| TC SOT/GO-SHIP/Cruises position - MK | | | 63,784 | 63,784 | 0 | | 127,569 |
| I.T. Engineer position - AL | | | | | 109,056 | | 109,056 |

| | | | | | | | |
|--|---------------|----------------|----------------|----------------|----------------|----------------|------------------|
| TC Science Communication position - ER | | | | | 109,056 | | 109,056 |
| Metadata/DB assistant - MKR | | | | | 49,103 | | 49,103 |
| TC BGC Argo / Med. Sea (12 months-5/5 FTE) | | | | | 0 | 114,000 | 114,000 |
| TOTAL STAFF | | 160,000 | 178,940 | 178,940 | 267,215 | 114,000 | 899,095 |
| Manager | | 5,000 | | | 2,500 | | 7,500 |
| TC Argo/OceanGliders travels | | 2,500 | | | 2,500 | | 5,000 |
| TC DBCP/OceanSITES travels | | 2,500 | | | 2,500 | | 5,000 |
| TC SOT/GO-SHIP travels | | 2,500 | | | 2,500 | | 5,000 |
| I.T. Engineer travels | | 2,500 | | | 2,500 | | 5,000 |
| Metadata/DB assistant - G4 | | 2,500 | | | 2,500 | | 5,000 |
| TC Science Communication travels | | 2,500 | | | 2,500 | | 5,000 |
| TC BGC Argo / Med. Sea | | | | | 0 | 5,000 | 5,000 |
| Mission TBD | | | | | 0 | 10,000 | 10,000 |
| TOTAL MISSION | | 20,000 | 0 | | 17,500 | 15,000 | 52,500 |
| I.T. Hosting (Cloud) estimated | | | | | 10,000 | | 10,000 |
| Activities (meetings, supplies, misc.) | | | | | 0 | | 0 |
| TOTAL INFRASTRUCTURE | | 0 | 0 | 0 | 10,000 | 0 | 10,000 |
| OVERHEAD | | 0 | 12,526 | 12,526 | 19,929 | 9,030 | 66,612 |
| TOTAL OPERATIONAL BUDGET (EXPENSES) | | 180,000 | 191,466 | 191,466 | 304,644 | 138,030 | 1,028,207 |
| Project #1: Report Card Design/Printing | 10,900 | | | | 0 | | |
| Project #2: Web Dev. 3 months 3/5 FTE | | | | | 19,500 | | 19,500 |
| TOTAL DEVELOPMENTS / PROJECTS | | 0 | 0 | 0 | 19,500 | 0 | 19,500 |
| TOTAL EXPENSES | 10,900 | 180,000 | 191,466 | 191,466 | 324,144 | 138,030 | 1,047,707 |
| BALANCE 2024-12-31 | 0 | 0 | 4,913 | 183,534 | 172,624 | 6,122 | 355,492 |

7. CONCLUSIONS and RECOMMENDATIONS

2022 was a good year for OceanOPS and the budget allowed the centre to operate at almost full speed stabilizing and upgrading some core staff: the centre Manager (supported by WMO regular budget), the metadata expert (essential for metadata quality), the I.T. manager (a central resource for the team efficiency), the Argo/OceanGliders Technical Coordinator, as well as the hiring of a new Technical Coordinator for regional support.

This was possible thanks to the strong contribution from European projects into OceanOPS over the past years, extra contributions from new partners (such as Monaco and EMODnet), travel budget savings, and outstanding new support from WMO.

However, these efforts will increase the salary mass in 2023 and, as they are not yet fully achieved, they will increase it even more in 2024.

OceanOPS has made savings as far as possible by the end of 2022 to get prepared and is actively seeking new resources to reach its goal.

2023 will be a transitional year to complete the redirection of funds to WMO and prepare 2024 which, if we succeed, could mark the completion of infrastructure stabilization: staff, budget, hosting.

Meanwhile, I.T. development will be kept minimal to at least help with the I.S. migration from Toulouse to Brest and fix web application issues and urgent requests. This migration is not trivial and should be seen as a major system upgrade done every decade. Negotiations with the host are under way and we do not know yet if this will enable any savings.

The travel budget is kept minimal but the in-person meeting number is increasing and it will be hard for us to follow up.

2023 and 2024 anticipated budgets are viable as shown in above tables, but 2024 and 2025 will seriously consume our surplus and leave us in front of a wall by the end of 2025. It is critical we identify new funds quickly, at least 100k\$, to enable this last step forward (i.e. stabilize and upgrade remaining staff).

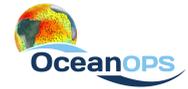
Reality forces us to: i) be extremely careful with our budget, ii) warn clearly our governance that we have a couple of years to find new resources, iii) halt any new development, and any non-critical travel, and focus on our very core mission. This means that our support to new and emerging networks (OCG and beyond), or cooperation with a number of non academic partners (e.g. sailing community) will end if they do not trigger any support.

We can yet inform networks that the OceanOPS staff will not be able to attend all in-person meetings in 2023/24, and that all web developments are piled on a GitHub item list until we get back our capacity. If the budget doesn't improve we will remain frozen in our development, with an unbalanced not to say unfair salaries distribution in the team.

The trajectory for 2025 could have even more constraints, which will force us to make difficult choices and reduce our ambition to meet our strategic goals, reprioritize staff work plan, and even cutting on staff or key deliverables production.

To help reduce this serious risk, **all OCG networks funding OceanOPS below the recommended level (~120 k\$ - see last year report) are invited to activate their Steering Teams and identify more partners to participate, even modestly, to OceanOPS support. OCG emerging networks are also invited to participate in the effort. Networks are also encouraged to consider inflation and regularly increase their existing contribution.**

Only one network (Argo) is currently supporting OceanOPS at the required level, and the others do not even cover the salary of their focal point.



On another hand, OceanOPS is actively seeking support, helped by WMO and GOOS central office, in particular in Europe, through Institutional, research projects, and host country. A number of cooperation with new partners, or project proposals, could offer some positive outcomes in the short run.

OceanOPS is optimistic in resolving this on-going challenge but some help from OCG and its Networks would be more than welcome.

8. OFFICIAL STATEMENTS

Annex 2



INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION

OceanOPS

(Statement of Account from 1 January 2022 to 31 December 2022)

(Expressed in US Dollars)

| | | |
|--|-----------|-------------------|
| INCOME | | |
| <u>Funds Received</u> | | |
| Australia | 28,557.43 | |
| France | 36,412.81 | |
| Germany | 5,144.03 | |
| India | 9,980.00 | |
| Japan | 10,000.00 | |
| United Kingdom | 21,105.45 | |
| Eric EURO-ARGO | 5,580.36 | 116,780.08 |
| TOTAL INCOME | | 116,780.08 |
| EXPENDITURE | | |
| International & National Staff | | 60,030.28 |
| Temporary Staff | | |
| Other Personnel Cost | | 1,841.71 |
| Staff Mission Costs | | 4,049.63 |
| Delegates & External Individual Missions | | 723.52 |
| Equipment | | 1,470.09 |
| Management Costs | | 4,768.07 |
| TOTAL EXPENDITURE | | 72,883.30 |
| EXCESS (SHORTFALL) OF INCOME OVER EXPENDITURE | | 43,896.78 |
| Balance Brought Forward as at 1 January 2022 | | 190,381.05 |
| BALANCE AS AT 31 DECEMBER 2022 | | 234,277.83 |

Financial Report issued by the Grants Management Section, Bureau of Strategic Planning.



WHOI Trust Fund
Trust Fund 42139R
Final Statement of income and expenditure
For the period 1 January to 31 December 2022
(Amounts in US dollars)

| | | |
|--|------------|-------------------------|
| 1. Balance, 1 January 2022 | | 129,448.72 |
| 2. Income | | |
| 2.1 Contribution received | | 544,628.00 |
| 2.2 Contribution to GCOS | | (172,949.00) |
| 2.3 Currency exchange impacts | | (5,613.01) |
| 2. Total available funds during reporting period | | <u>495,514.71</u> |
| 3. Expenditure | | |
| 3.1 Direct project costs | | |
| 3.1.1 Salaries and Wages | 209,152.55 | |
| 3.1.2 Consultancy | 25,256.24 | |
| 3.1.3 Total direct costs | | 234,408.79 |
| 3.2 Indirect project costs | | |
| 3.2.1 Support costs at 7% (and adjustment to SC from prior period) | 4,390.27 | |
| 3.2.3 Bank Charges | 63.14 | |
| 3.2.4 Total indirect costs | | 4,453.41 |
| 3.3 Total project expenditure | | <u>239,262.20</u> |
| 5. Balance of fund at 31 December 2022 | | <u>256,252.51</u> |
| 6. Less obligations | | <u>166,760.43</u> |
| 7. Balance of fund at 31 December 2022, net of obligations | | <u><u>89,494.07</u></u> |

Certified correct
 Brian Cover
 Date: 2023/01/11
 16:45:43
 Brian Cover
 Chief, Finance Division
 24 March 2023

Certified correct:
 Dominique Boré
 Chief, Earth System Monitoring Division
 24 March 2023

WEATHER CLIMATE WATER
SERVICES CENTER (WMO)



WMO OMM

World Meteorological Organization
Organisation météorologique mondiale
Organización Meteorológica Mundial
Всемирная метеорологическая организация
المنظمة العالمية للأرصاد الجوية
世界气象组织

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Fax: +41 (0) 22 730 81 81
wmo@wmo.int – public.wmo.int

DATA BUOY CO-OPERATION PANEL
Trust Fund 422309
Final Statement of Income and expenditure
For the period 1 January to 31 December 2022
Amounts in United States dollars

| | | |
|--|----------|----------|
| 1. Balance brought forward , 1 January 2022 | | 210,168 |
| 2. Income | | |
| 2.1. CONTRIBUTIONS a/ | | 170,536 |
| 3. Total available funds during reporting period | | 380,724 |
| 4. Expenditure | | |
| 4.1 Direct project costs | | |
| 4.1.1 DBCP | | 20,810 |
| 4.1.1.1 DBCP Capacity Building | 14,315 | |
| 4.1.1.2 DBCP Chair Travel | 4,659 | |
| 4.1.1.3 Other DBCP Expenses | 1,835 | |
| 4.1.1.4 DBCP Total | | 20,810 |
| 4.1.2 SOT | | 2,420 |
| 4.1.2.1 SOT Chair and Other Travel | 2,429 | |
| 4.1.2.2 SOT Total | | 2,420 |
| 4.1.3 OceanOPS - Euro Argo RISE | | |
| 4.1.3.1 Staff Missions | 2,995 | |
| 4.1.3.2 OceanOPS Direct Personnel Costs | 1,873 | |
| 4.1.3.3 OceanOPS - Euro Argo RISE Total | | 4,868 |
| 4.1.4 JCOMMOPS | | 67,031 |
| 4.1.4.1 IT Contract | 112,266 | |
| 4.1.4.2 Staff Missions | 26,577 | |
| 4.1.4.3 Fixed-term Staff - Metadika Clerk | (71,612) | |
| 4.1.4.4 JCOMMOPS Total | | 67,031 |
| 4.1.5 OceanOPS - EuroSea | | 126,707 |
| 4.1.5.1 OceanOPS Staff Direct Personnel Costs | 124,351 | |
| 4.1.5.2 Staff Missions | 4,446 | |
| 4.1.5.3 OceanOPS - EuroSea Total | | 126,707 |
| 4.1.5 Total direct costs | | 195,900 |
| 4.2 Indirect project costs | | |
| 4.2.1 Support costs at 3% | 5,875 | |
| 4.2.2 Loss in currency exchange | 10,246 | |
| 4.2.3 Bank charges | 224 | |
| 4.2.4 Total indirect costs | | 16,344 |
| 4.3 Total project expenditure | | 212,172 |
| 5. Balance of fund at 31 December 2022 | | 168,552 |
| 6. Balance comprised of the following projects: | | |
| 6.1 DBCP | | 124,748 |
| 6.2 SOT | | 50,444 |
| 6.3 WMO | | 18,563 |
| 6.4 OceanOPS - Euro Argo RISE | | (5,241) |
| 6.5 JCOMMOPS | | (14,145) |
| 6.6 OceanOPS - EuroSea | | (43,764) |
| 6.7 Total | | 130,603 |

| a/ | Contributions | |
|--|---------------|----------------|
| Météo France (EUR 55,000) | | 62,795 |
| National Institute of Ocean Technology (USD 5,000) | | 5,000 |
| BGR, M22/SOOP, Germany (EUR 7,200) | | 7,832 |
| GEONAR, (Release of deferred income) | | 94,918 |
| Total contributions | | 170,536 |

^{b/} Amount excludes USD 10,250 of revenues that are deferred in compliance with IPSAS.

The financial statement has been prepared on the accrual basis of accounting in accordance with the International Public Sector Accounting Standards (IPSAS). Therefore, the amount of contributions shown above excludes those that are deferred in accordance with IPSAS.

Certified correct:
Digitally signed
by Brian Cover
Date:
2023.04.11
Time: 10:00:00
GMT+01:00
6 April 2023

Certified correct:
Dominique Barod
Project Manager
6 April 2023

CLS 2022 Trust Fund

| INVOICE | PANEL | NOTE | PAYER | AU\$ | US\$ | € | BILL | PAYEE | US\$ | € |
|---|-------------------------|---------------------|-------------|------|------|------------------|---|-------------------------------|------|---------------|
| JCOMMOPS INFRASTRUCTURE - RENT/OPERATIONS | DBCP/OceanSITES 2/3-1/3 | RENT/OPERATIONS 1/3 | WMO/DBCP | | | | IT SERVICES | CLS | | 39602 |
| JCOMMOPS INFRASTRUCTURE - RENT/OPERATIONS | SOT/GO-SHIP | RENT/OPERATIONS 1/3 | WMO/JCOMM | | | 76,719 | STAFF (I.T.) 1 FTE | CLS | | 37117 |
| JCOMMOPS INFRASTRUCTURE - RENT/OPERATIONS | ARGO | RENT/OPERATIONS 1/3 | IOC/Argo | | | | | | | |
| TRUSTED2 | OceanOPS | | CLS | | | 7,300.00 | Expedition Plouzané-Paris 2022 Report Card | Legendre Celtic HIPPOCAMPE | | 107 10,350 |
| JCOMMOPS COORDINATOR | ARGO | | SOA - CHINA | | | 13,630.00 | CELAD (January-Feb-March) | CELAD | | 19,557 |
| JCOMMOPS COORDINATOR | OCEANSITES | | IMOS | 7000 | | 4,556.00 | CELAD (Sept-Oct) | CELAD | | 13,653 |
| JCOMMOPS COORDINATOR | ARGO | | OGS | | | 5,000.00 | Cocktail event | The ocean race | | 711 |
| NKE - Argo Labels | OceanOPS | | NKE | | | 2,500.00 | Entrance OceanOPS plates | Optima | | 500 |
| MRV - Labels | OceanOPS | | MRV | | 445 | 406.00 | | | | |
| TOTAL | | | | | | 33,392.00 | Total | | | 44,878 |
| | | € | | | | | | | | |
| | | YEARLY BALANCE | - | | | 11,486 | | | | |
| | | CUMULATED BALANCE | | | | 5,465 | | | | |