

# National Reports for Argo Steering Team Meetings

## South Africa

1. The status of implementation of the new global, full-depth, multidisciplinary Argo array (major achievements and problems in 2022)
  - a. floats deployed and their performance

**Argo floats deployed on behalf of other countries which will be reported in those country reports.**

- b. technical problems encountered and solved

**Not applicable**

- c. status of contributions to Argo data management ( including status of high salinity drift floats, decoding difficulties, ramping up to include BGC or Deep floats, etc)

**Not applicable**

- d. status of delayed mode quality control process

**Not applicable**

2. Present level of and future prospects for national funding for Argo including a summary of the level of human resources devoted to Argo, and funding for sustaining the OneArgo mission: Core, BGC, Deep, Spatial (Polar, equator, WBCs)

**Present level – no funding**

**Future prospects – through the South African National Polar Infrastructure (SAPRI) and initiatives to increase observations within the Agulhas Current (WBC), we are looking to procure and deploy Argo floats. Likely Core Argo floats only.**

3. Summary of deployment plans (level of commitment, areas of float deployment, Argo missions and extensions) and other commitments to Argo (data management) for the upcoming year and beyond where possible.

**Argo floats deployed on behalf of other countries which will be reported in those country reports.**

Here is a [link](#) to the commitments table at OceanOPS (if the link isn't working, visit [OceanOPS](#) and choose 'commitments' from the farthest right icon at the top of the page). If you cannot edit the online table, please send a list of deployment plans for each of the columns in the table

as needed.

4. Summary of national research and operational uses of Argo data as well as contributions to Argo Regional Centers. Please also include any links to national program Argo web pages to update links on the AST and AIC websites.
  - **Finalizing Core Argo Best Practice Document**
  - **Organizing a national (regional) Argo training course for June 2023**
  - **Argo data being used for student projects.**
5. Issues that your country wishes to be considered and resolved by the Argo Steering Team regarding the international operation of Argo. These might include tasks performed by OceanOPS, the coordination of activities at an international level and the performance of the Argo data system. If you have specific comments, please include them in your national report. Also, during the AST-24 plenary, each national program will be asked to mention a single highlight or issue via a very brief oral report.

**None currently.**

6. To continue improving the quality and quantity of CTD cruise data being added to the reference database by Argo PIs, it is requested that you include any CTD station data that was taken at the time of float deployments this year. Additionally, please list CTD data (calibrated with bottle data) taken by your country in the past year that may be added to the reference database. These cruises could be ones designated for Argo calibration purposes only or could be cruises that are open to the public. To help CCHDO track down this data, please list the dates of the cruise and the PI to contact about the data.

**Data from the SEAmester training cruise (July 2022) was loaded onto the CCHDO. This included nine CTD stations – two of which were collocated with UK MetOffice Argo float deployments (WMO#1901940 and WMO#1901941). Stations are not however very deep.**

**Data from the Marion Island (Indian Ocean sector of the Southern Ocean) and potentially the SAMBA cruise (South Atlantic) will be loaded in due course.**

7. Keeping the Argo bibliography ( [Bibliography | Argo \(ucsd.edu\)](#)) up to date and accurate is an important part of the Argo website. This document helps demonstrate the value of Argo and can possibly help countries when applying for continued Argo funding. To help me with this effort, please include a list of all papers published by scientists within your country in the past year using Argo data, including non-English publications.  
There is also the thesis citation list ([Thesis Citations | Argo \(ucsd.edu\)](#)). If you know of any doctorate theses published in your country that are missing from the list, please let me know. Finally, if you haven't already sent me a list of Argo PIs in your country, please do so to help improve the statistics on how many papers are published including an Argo PI vs no Argo PIs.

**None currently.**

8. How has COVID-19 impacted your National Program's ability to implement Argo in the past year? This can include impacts on deployments, procurements, data processing, budgets, etc.

**No impacts – we continued to deploy where and when we could on take-over voyages to Gough and Marion Islands and Antarctica.**

9. Does your National Program have any deployment plans for RBR floats in the next couple years? If so, please indicate how many floats will you be buying in 2023 and 2024 (if known) and where they might be deployed.

**Not at this stage.**