



Report on the status of the Argo-Poland

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1. The status of implementation

After 3 years of deployments on behalf of the Argo-Poland, with the last float launched in summer 2012, there were no Argo floats deployed in 2013 due to lack of assigned funds.

2. Present level of and future prospects for national funding for Argo.

The Polish Roadmap for Research Infrastructures developed by the Ministry of Science and Higher Education includes the Argo-Poland project. In autumn 2013 Polish Ministry of Science and Higher Education signed a request letter to contribute to the Euro-Argo European Research Infrastructure Consortium (E-A ERIC). Poland will have observer status. Since 2015 Poland is obligated to launch at last 2 Argo floats per year. Also 2 days of ship-time in the Arctic Mediterranean and 6 person-months per year will be devoted to the Argo project.

Institute of Oceanology Polish Academy of Sciences (IO PAN), the Polish representative in Euro-Argo, has submitted the proposal to update the status of the Argo-Poland in the Polish Roadmap for Research Infrastructures. We are going to develop the Polish resources devoted to Argo to a certain degree (float testing and deployments, developing specifications and algorithms for sea ice detection and positioning under the ice, usage of a certain telecommunication system, QC implementation, advancement of Argo data assimilation techniques in OGCMs, and so on). The proposal is currently under consideration.

3. Summary of deployment plans

In 2014 IO PAN is going to deploy two floats in the subpolar North

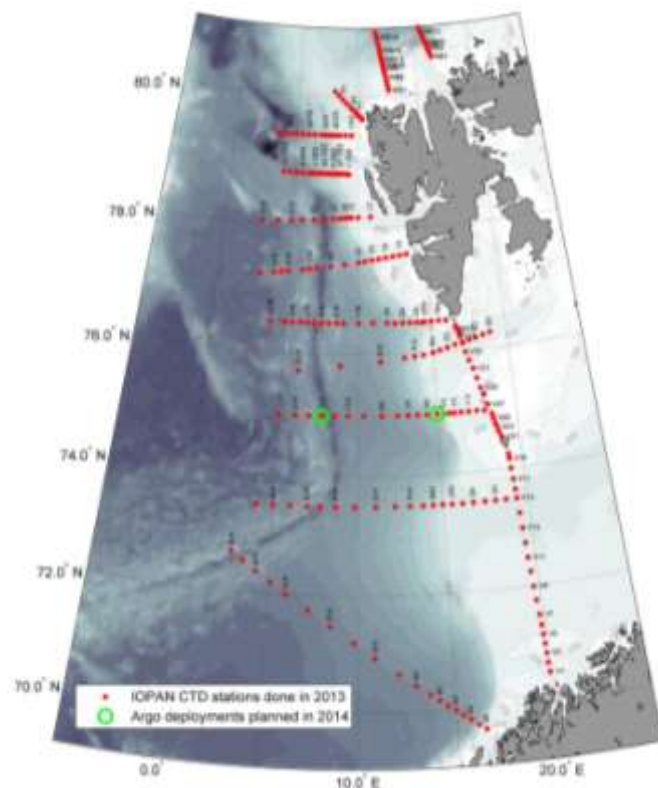


Figure 1. Planned locations of the Argo-Poland deployments in 2014 and CTD stations performed during AREX 2013 cruise of R/V Oceania (similar coverage grid is planned for AREX 2014) in the area of interest.

Atlantic, particularly in the West Spitsbergen Current area to trace the Atlantic water inflow into the Arctic Ocean (Fig. 1). The floats will be deployed under the E-AIMS project, during the IO PAN cruise. The two floats are currently undergoing the purchase procedure. Plans of deployments of these floats will be soon added to the AIC coordination system.

4. Summary of national research and operational uses of the Argo data.

The unique Argo floats trajectories as well as profiles collected west of Svalbard during the late summer, autumn and early winter are being used in the analysis concerning the amount, properties and average velocities of the Atlantic Water circulating in the Greenland Sea. The obtained results will be also used in a nascent PhD thesis comparing data sets received from various sources.

The Argo-Poland website is constantly maintained by IO PAN:
<http://www.iopan.gda.pl/hydrodynamics/po/Argo/argo.html>

5. Issues that your country wishes to be considered and resolved by the Argo Steering Team regarding the international operation of Argo.

We do not have any wishes as for now.

6. The number and location of CTD cruise data uploaded to the CCHDO website in the past year.

Until now all the Argo-Poland deployments (in 2009, 2010 and 2012) were a part of the IO PAN summer Arctic experiments - AREX – under which ca. 200 CTD stations are performed, including the casts performed just after float launching. However, the data have not been submitted to the CCHDO website yet. It may be done this year.

7. The Argo bibliography

Scientific papers are planned concerning the usage of Argo data. However, nothing was published last year except the workshop and conference materials. There were no PhD theses using the Argo data completed in the past year in Poland, either.