

## Argo National Report 2014-2015: Ireland

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1) The status of implementation (major achievements and problems in 2015):

**a) floats deployed and their performance**

WMO Code	Type	Deployment Date	Performance
6901919	APEX	22/04/2015	Good
6901920	APEX	22/04/2015	Good

**b) technical problems encountered and solved**

None

**c) status of contributions to Argo data management ( including status of conversion to V3 file formats, pressure corrections, etc)**

Carried out by BODC for us.

**d) status of delayed mode quality control process**

Carried out by BODC for us.

**2) Present level of and future prospects for national funding for Argo including a summary of the level of human resources devoted to Argo.**

Ireland's application for membership of the Euro Argo ERIC (legal consortium) is currently being processed through the relevant national decision making bodies and is expected to be finalized in Q1 of 2016. This will commit Ireland to:

Subscription fee = €30,000

Minimum deployment of 3 Argo floats = €20,000 each per annum (under current framework agreement).

TOTAL = €30,000 + €60,000 per annum (minimum)

**3) Summary of deployment plans (level of commitment, areas of float Deployment, low or high resolution profiles, extra sensors, Deep Argo) and other commitments to Argo (data management) for the upcoming year and beyond where possible.**

It is our goal to ensure three floats will be deployed during 2016 in alignment with the requirements of the Euro Argo ERIC. Multi-annual funding for the programme remains elusive but efforts continue towards that end on the national level.

**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.**

Argo data is primarily used to validate ROMS models in the Oceanographic Services section of the Marine Institute. Additionally National University of Ireland Galway (NUIG) will deploy a float within an eddy feature on the 2016 transatlantic cruise to characterise the distribution of the deep scattering layer in such features over longer timescales; their data has shown there are large increases in this layer around eddy features/meanders in the North Atlantic Current. The Argo data will also be utilised by a number of PhD students within the Marine Institute and 3<sup>rd</sup> level institutes across Ireland.

**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 the AIC, 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.**  
N/A as can be dealt with through Euro-Argo office.

- 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.**

No CTD data are uploaded to the CCHDO website. However, all CTD data are emailed to Else Juul Green ([else@ices.dk](mailto:else@ices.dk)) who checks the data before it is uploaded to the ICES Oceanographic data portal annually:

<http://ocean.ices.dk/HydChem/HydChem.aspx?plot=yes>

- 7) Keeping the Argo bibliography ( <http://www.argo.ucsd.edu/Bibliography.html> ) 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. We reached more than 2000 papers published using Argo data! 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.**

N/A although anticipated during 2016.