

## Argo National Report 2015-2016: Ireland

1) The status of implementation (major achievements and problems in 2016):

**a) Irish Argo float Overview**

<b>ARGO: Marine Institute Operational &amp; Stock ARGO Floats (as of: 21/02/2017)</b>				
<b>Deployed / Operational ARGO Floats</b>				
# of Floats	WMO (Global Identifier) #	Float Identifier #	Make/Model	Deployed
1	6900444		NKE/AVOR	08/03/2011
2	6900658		NKE/AVOR	07/03/2011
3	6901913		NKE/AVOR	06/09/2012
4	6901914		NKE/AVOR	26/03/2013
5	6901919	7244	Teledyne/Apex	22/03/2015
6	6901920	7245	Teledyne/Apex	22/04/2015
7	6901921	7243	Teledyne/Apex	23/03/2016
8	6901922	7242	Teledyne/Apex	14/04/2016
9	6901923	7241	Teledyne/Apex	09/04/2016
<b>Argo floats to be deployed in 2017</b>				
# of Floats	WMO (Global Identifier) #	Float Identifier #	Make/Model	Deployed
1	6901924	7240	Teledyne/Apex	
2	6901925	7841	Teledyne/Apex	
3	6901926	7842	Teledyne/Apex	
<b>ARGO Floats Awaiting Deployment (in stock)</b>				
# of Floats	WMO (Global Identifier) #	Float Identifier #	Make/Model	Deployed
1	TBC	7843	Teledyne/Apex	

**b) Irish floats deployed in 2016 and their performance\***

WMO (Global Identifier) #	Float Identifier #	Make/Model	Deployed
6901921	7243	Teledyne/Apex	23/03/2016
6901922	7242	Teledyne/Apex	14/04/2016
6901923	7241	Teledyne/Apex	09/04/2016
*			

\*Ireland via the Marine Institute also deployed a float on behalf of the MOCCA project:  
WMO# 3901871

**c) Technical problems encountered and solved**

None

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

Carried out by BODC for us.

**e) 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 is now a full member of the Euro-Argo ERIC and will comply with the minimum requirement of deploying 3 floats per annum. Ireland via the Marine Institute will deploy additional funds where funding allows and will also assist the ERIC in deploying project specific floats where appropriate e.g. The MI deployed an additional float in 2016 via the EU funded MOCCA project.

**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 2017 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. Float procurement via the Euro-Argo ERIC may allow for an increased number of floats to be procured but this is dependent on final tender specifications.

**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. 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 2017.