

ARGO National Report 2011 – Spain

1.- Status of implementation

The Argo-Spain program is coordinated by the *Instituto Español de Oceanografía* (Spanish Oceanographic Institute, IEO).

It started with the deployment of 7 floats in the Iberian Basin in 2003. Since then, 43 have been deployed, 14 of which are still working correctly.

Additionally, the Argo-Spain program gives support to research groups in Spain that purchase Argo profilers as part of the observational strategy of their research projects.

During 2010, eight profilers were deployed in in the Iberian Basin, Tropical Atlantic and South Atlantic. Three of the profilers had oxygen sensors.

Delayed mode calibration is underway.

IEO is involved in EuroArgo and Spain has decided to join a European Argo consortium that will establish in 2012.

2. - Present level of (and future prospects for) national funding for Argo including summary of human resources devoted to Argo.

When the Spanish participating in the Euro-Argo consortium was evaluated, and observational strategy consisting in a fleet of approximate 20 floats was established. Given a lifetime of about 4 years for a float this means purchase of about five floats per year. This level of funding is actually renewed on a yearly basic, however since Spain will join the Euro-Argo contribution it is planned that the funding will be semi-permanent in the budget of the IEO.

One person (Pedro Vélez) is working on Argo-España.

3.- Summary of deployment plans level of commitment, areas of float deployment) and for other commitments to Argo for the coming year (and beyond where possible).

2011.

- 10 floats will be deployed in the subtropical Atlantic along the parallel 24.5°N.
- 7 floats will be deployed in the western Mediterranean.

2012

- 5/6 floats will be deployed in the tropical Atlantic.

The deployment plans are properly uploaded to the Argo information Centre, at least, 6 month in advance.

4) *Summary of national research and operational uses of Argo data*

Argo data is used in several research projects in Spain. published results are update in the Argo Bibliography web page of the AST.

Regarding the operational uses, the Argo data is not yet used.

5) *Issues that your country wishes to be considered (and resolved) by AST regarding the international operation of Argo*

Nothing.

6) *CTD data uploaded to CCHDO*

At most of the Argo-Spain deployments, a CTD profile is carried out. The upload o the CCHDO is underway.