



ARGO SPANISH ACTIVITIES REPORT SECOND SEMESTER 2007

1. Background and organization of Spanish ARGO activities.

There is not a dedicated Argo Spanish project *per se*, and the framework for the Argo Spanish activities is obtained under different national calls. Mainly calls for activities complementary to research projects, nationals or europeans. Since the first funding for Argo activities received in 2003, 11 floats have been deployed, seven in 2003, two in 2004, one in 2005, and the last one in September 2006. Additionally two floats have been donated to Mexico and one to Costa Rica.

The last financial support was obtained at the end of 2007 as complement to the Euro-Argo proposal, in a call devoted to infrastructures within the ESFRI roadmap. This financial support will be used to deploy 12 Argo floats, and set up a framework, to support the deployment (transmission costs, paperwork,..) of floats purchased and funded under other Spanish research projects.

The Spanish Argo activities are coordinated by the Spanish Oceanographic Institute (Instituto Español de Oceanografía).

1.1. Deployed floats

During the period covered by this report no floats were deployed. The last deployed float was carried out in September 2006.

1.2. Float Development.

No float development has been done.

1.3. Data management

The data management of the Spanish Argo floats is currently been done by Coriolis. Nerveless, the DM for those floats will be carried out shortly.

1.4. 1.4. Operational and scientific use of Argo data.

The Argo data in Spain is mainly being used for scientific purposes. And therefore one of the main objectives of the IEO within euro-Argo is to broad the utility of the Argo data for operational activities at national level.

Two papers are under submission:

- Vélez-Belchí, P., A. Hernandez-Guerra and E. Fraile-Nuez. (2008). Changes in the temperature tendencies in the upper levels of the subtropical North Atlantic ocean.
- A. Hernández-Guerra, T. M. Joyce, E. Fraile-Nuez and P. Vélez-Belchí. (2008). Using Argo data to investigate the North Atlantic Conveyor Belt

2. Funding

2.1. Existing Spanish funding for Argo

Actually, the funding for Argo activities in Spain amounts to 172.000€. However, two different Spanish research projects have been additionally funded to purchase 4 Argo floats each one, to be deployed in the Mediterranean. This set of 20 Argo Spanish floats (12+4+4) will be deployed during the second half of 2008.

2.2. On the future Spanish funding and organization for Argo

The future funding for the Argo activities in Spain will be negotiated during this year, since there is not an Argo-España *per se* project, it is necessary to apply each year for funding. The objective of this negotiation is to obtain a long-term agreement.