

E-AIMS

COLLABORATIVE PROJECT

Small or medium-scale focused research project

FP7-SPACE-2012

Euro-Argo Improvements for the GMES Marine Service

E-AIMS

Date of preparation: 23/11/2011

Version number: 1

Participant no.	Participant organisation name	Country
01	IFREMER / Institut Français de Recherche pour l'Exploitation de la Mer	France
02	UKMO / Met Office	United Kingdom
03	OGS / Istituto Nazionale di Oceanografia e di Geofisica Sperimentale	Italy
04	NERC / Natural Environment Research Council	United Kingdom
05	KNMI / Royal Netherlands Meteorological Institute	Netherlands
06	IEO / Instituto Español de Oceanografía	Spain
07	IMR / Institute of Marine Research	Norway
08	USOF / University of Sofia	Bulgaria
09	IOPAS / Institute of Oceanology Polish Academy of Sciences	Poland
10	IFM-GEOMAR / Leibniz-Institut für Meereswissenschaften	Germany
11	Mercator Ocean	France
12	INGV / Istituto Nazionale di Geofisica e Vulcanologia	Italy
13	CLS / Collecte Localisation Satellites	France
14	ACRI-ST / GIS COOC	France
15	CSIC / Consejo Superior de Investigaciones Científicas	Spain
16	IOBAS / Institute of Oceanology Bulgarian Academy of Sciences	Bulgaria

Work programme topics addressed

FP7-SPACE-2012

Area 9.1.3 Support to the coordinated provision of observation data

SPA.2012.1.3-01 Research and development for *in-situ* component

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16 Partners

**Links with the Euro-Argo
ERIC and its governance**

**Links with GMES/
Copernicus Marine Service
and its MyOcean projects**

**Overall objective: design
and test of new float
technology and impact for
the GMES/Copernicus
Marine Service**

**Prepare the evolution of
Argo in Europe**

**Start January 2013
End December 2015**



E-AIMS - Objectives

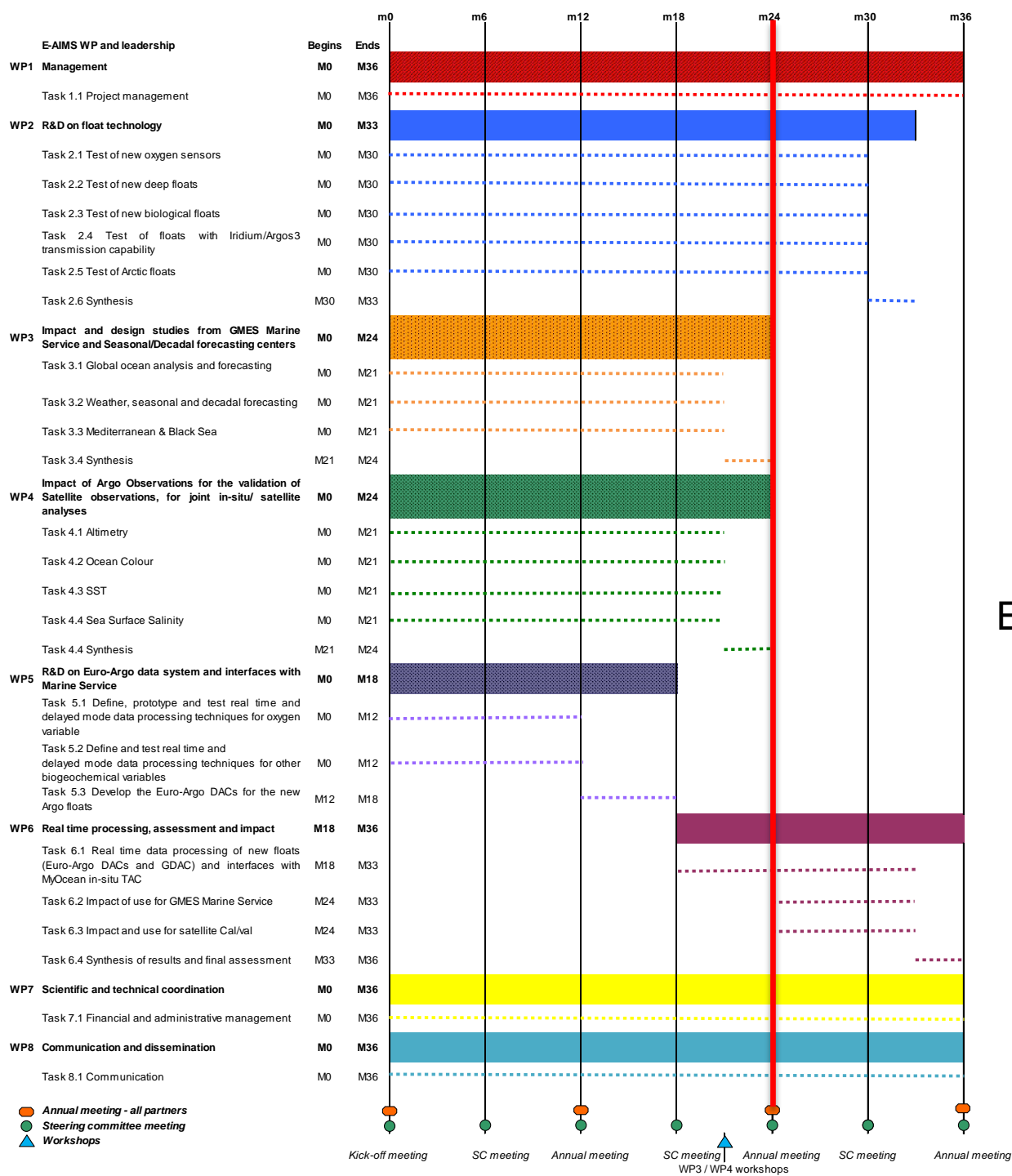
E-AIMS will organize an end-to-end evaluation of new Argo floats (from float design down to the use by Copernicus). Observing System Evaluations and Sensitivity Experiments will also be conducted to provide robust recommendations for the next phase of Argo that take into account Copernicus Marine Service, seasonal/decadal climate forecasting and satellite validation requirements.

E-AIMS will thus demonstrate the capability of the Euro-Argo infrastructure to conduct R&D driven by Copernicus needs and demonstrate that procurement, deployment and processing of floats for Copernicus can be organized at European level.

These are key aspects for the long term sustainability of Copernicus *in-situ* component.

End of E-AIMS: agree on and start implementing Argo extension in Europe (Euro-Argo ERIC). This requires demonstrating feasibility and utility.





E-AIMS planning

T0: January 1st, 2013

End: December 31st, 2015



E-AIMS Workpackages



- WP1: Management/Coordination (Ifremer) (T0-T0+36)
- WP7: Scientific and technical coordination (Ifremer) (T0-T0+36)
- WP8: Communication and dissemination (Ifremer) (T0-T0+36)

- WP2: R&D on float technology (Ifremer) (T0-T0+30)

- WP3: Impact and design studies from GMES Marine Service and seasonal/decadal forecasting centers (Mercator Ocean) (T0-T0+24)

- WP4 : Impact of Argo observations for the validation of satellite observations and for joint *in-situ*/satellite analyses (CSIC) (T0-T0+24)

- WP5: R&D on Euro-Argo data system and interfaces with GMES Marine Service (T0-T0+18) (Ifremer)

- WP6: Real time processing, assessment and impact (T0+18-T0+33) (OGS)