

## Atlantos WP3

### Report on the Skype meeting about the deliverable D3.6 , the “Glider Mobile App” - 03/09/2015

#### Attendees:

Mark Inall / Estelle Dumont / Lovro Valcic / Pierre Testor / Victor Turpin / Laurent Mortier / Claire Gourcuff

The aim of the meeting was to discuss the first lines of the project of developing a Glider App for public dissemination and outreach, as part of task 3.4.

This project will be the object of the deliverable **D3.6: *Glider App for public dissemination and outreach (PM28): Primarily developed for outreach purposes the application will also include some functionality for glider pilots. The App will interface in real-time with glider communication stations on land. Functionality will be based and tested on planned glider missions by SAMS partner and will then be rolled out to other partners.***

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Many tools have been developed for glider data visualisation and piloting among the glider community. This project is an opportunity to gather existing tools and reinforce the coordination efforts of the partners.

It was stated that the App should first focus on outreach, the introduction of piloting tools coming later. However, the design of the app' should anticipate that evolution. The App' should use glider data in the EGO/GROOM format agreed during FP7 GROOM, from the Global Data Centre (Coriolis) as inputs..

The question of how far in the glider data the App should go arose. It was suggested that the App would allow users to access temperature, salinity and Chl-A data, in addition to position and trajectory. These data are accessible from Coriolis in the EGO/GROOM format in “near real time”.

The app' should connect smartphones and tablets in a user-friendly-way to a web server. It was agreed the app' should not run on the smart phones. It might need too much local resources on the phones.

Concerning piloting functionalities, the App would need access to the different “landstations“ (depending on the glider model: basestations, dockservers, groundstations,...). For a pilot to be able to pilot one glider, ones needs to edit some configuration files on such computers. At the same time the app would also have an instant access to the raw data which would be convenient. In order to be able to pilot a glider conveniently, a pilot needs the very last information from its glider and some visualization. Data disseminated in “Near Real Time” through the EGO/GROOM data management system and agreed format might not be accessible fast enough, since “Near Real Time” means less than 24h in an operational oceanography framework. The link with the metadata should be clearly established.

The GFCP Glider Fleet Control Panel) that already exists on the EGO website and used by CNRS and PLOCAN should be considered as well as tools developed in the UK (SAMS, MARS) and in Norway (UiB). The mobile glider App' must build on what already exists.

Lovro will draw a storyboard about the app.

Connection should be established with WP10 (*Engagement, Dissemination and Communication*), and WP9 (*System evaluation and sustainability*) – Victor, when coming back, will get in contact with these Work Package and report on their expectation.

A WP3 meeting will be organized in January/February 2016 where the Glider App project will be discussed with all partners.