


<b>Infrastructure (short name)</b>	National Glider facility	
<b>Installation (short name)</b>	National Glider facility (CETSM)	
<b>Location</b>	Western Mediterranean	
<b>Legal name of organization</b>	Institut National des Sciences de l'Univers/ Centre National de la Recherche Scientifique INSU/CNRS	
<b>Location of organization</b>	La Seyne sur mer, France	
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<b>Web site address</b>	<a href="http://www.ego-network.org">http://www.ego-network.org</a>	

<b>Description</b>
<p>The French National Glider facility is held by DT-INSU in La Seyne sur mer. It is part of and supports a larger group so-called EGO (Everyone's Glider Observatories ).</p> <p>This glider facility started in September 2008, and is now composed of 5 engineers and technicians operating, by the end of 2011, 14 operational gliders, 4 of them being shallow gliders rated to 200m depth maximum but ideal for operations on the shelf.</p> <p>The facility is fully equipped to prepare, operate and maintain gliders:</p> <ul style="list-style-type: none"> <li>- A glider ballasting tank in order to prepare the glider,</li> <li>- An electronic lab for battery change and maintenance</li> <li>- Servers and modems for communications with the gliders</li> <li>- The ego-network.org web server which allows the real-time display of the collected data and containstools for piloting gliders (monitoring and mission changes) through the web, in a collaborative way</li> </ul> <p>The glider staff is fully trained (preparation and piloting) and is working on shift for continuous service.</p> <p>Among the gliders one can find the following available sensors:</p> <ul style="list-style-type: none"> <li>- CTD</li> <li>- Oxygen Optode</li> <li>- Fluorimeters (ChlA, CDOM, Phycoerythrine,)</li> <li>- Back scattering (from 470 to 880 nm), turbidity</li> </ul>
<b>Service offered</b>
INSU can provide access to users to the DT-INSU gliders facilities, including the use of one or

more glider units (after a carefully peer-review of proposed missions – feasibility, mission definition, benefits, etc...)

The proposed services can consist of:

- Preparation of a fleet of gliders (1 to 3 gliders) and its sensors for a specific task and for the area to operate, including new sensors to integrate and test
- Logistics from the operator facilities to the operation site and return as well as launch/recovery operations of the gliders, if the operation site is in the vicinity of DT-INSU gliders facilities (NW Mediterranean, otherwise only assistance will be provided).
- Remote control and programming of the gliders
- Data recovery and delivery to the user.

As long as the iridium link between the gliders and land make it possible, real-time data will be available in real-time. There is a dedicated team composed of technicians who prepare and operate the gliders, program and supervise the cruise, format and distribute the data at the end of the cruise.

### Instruments/Sensors

Instrument	Measured Parameter(s)	Elevation/Depth	Sampling frequency	Frequency of data recovery
glider1	T, S, O2+other biogeochemical sensors	0-200m or 0-1000m (min of ~50m waterdepth)	4-8s	~5h
glider2	T, S, O2+other biogeochemical sensors	0-200m or 0-1000m (min of ~50m waterdepth)	4-8s	~5h
glider3	T, S, O2+other biogeochemical sensors	0-200m or 0-1000m (min of ~50m waterdepth)	4-8s	~5h

### Special owner rules

Carefully peer-review of proposed missions – study area, feasibility, mission definition, benefits.