



## GROOM

Gliders for Research, Ocean Observation and Management  
*FP7-Infra-2011-2.1.1 “Design Studies”*

# Deliverable D1.8

## 1<sup>st</sup> Report on the Stakeholders Open Forum activities

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Project website address <http://www.groom-fp7.eu>

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## I. INTRODUCTION

In the DOW of the Grant Agreement, it is proposed to start and develop activities with the relevant stakeholders. The purpose is to ensure synergies and to build close links between the project and the relevant stakeholders and end-users. The Stakeholders Open Forum (SOF) has been established to manage this type of activities during the project. This Forum is constituted by all actors relevant to the project, such as similar projects, SMEs, European, regional and national authorities, associations, competitiveness cluster, etc. possibly interested in the project results. This subject is partly treated from the outreach point of view by task 3.3 *Capacity building and training, Outreach*, that is reported in the deliverable 3.4 *Report on capacity building activities and web-sites completed*, but the SOF is intended to develop actual relations with the stakeholders for mutual benefit. They stakeholders benefit directly from the project results and should also be able to give inputs to the project.

The initial reporting schedule of 3 yearly periods with 3 reports on the SOF activities has been changed to two periods of 18 months, resulting in only 2 reports. This change has been acknowledged by the Project Officer, and resulted in only one deliverable for each reporting period for the SOF activities.

This report concerns the 1<sup>st</sup> reporting period. It describes the general strategy that has been established given the resources allocated to these SOF activities and lists the activities conducted by GROOM partners as part as the SOF. The 2<sup>nd</sup> report (D1.9) to be produced at the end of the project, will list them as well, and will include a synthesis of these activities.

## II. STAKEHOLDER CATEGORIES

Stakeholders can be classified in four main categories:

- Non European partners (and 'non GROOM' European glider groups that will emerge during GROOM) with similar scientific and technical profiles as the partners, including major Observing Systems (OSs) such as US/IOOS,
- Other European projects for Marine Research Infrastructures (MRIs), such as I3, ESFRI projects in preparatory phase, etc., at all relevant levels, including the Copernicus Marine Environment Monitoring Service,

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- Policy makers in the fields of MRIs and OSs such as national and European official bodies, international bodies like IOC/UNESCO, and other public stakeholders like marine/maritime clusters, etc.,
- SMEs active in the field of expertise covered by the proposal.

The following table lists these groups and the way to approach them.

<b>Stakeholders categories</b>	<b>Main representatives in each category</b>	<b>Strategy to approach the category with the maximum effectiveness and efficiency</b>
<b>I – Non European glider operators stakeholders</b>	<ul style="list-style-type: none"> <li>- USA: IOOS/NOOA, WHOI, UW, SOI, Rutgers Univ., ...</li> <li>- Australia : IMOS/ANFOG</li> <li>- Canada: CCOG</li> <li>- Cape Verde: INDP</li> <li>- New glider operators that will emerge during GROOM</li> </ul>	Direct contacts at the partner level. The EGO annual meetings. Other similar international or national scientific workshops are the usual way to approach these groups for communication, collaboration or advice
<b>II – Similar platform oriented and MRI projects</b>	<ul style="list-style-type: none"> <li>- FP7 I3 projects: JERICO, FIXO3, etc.</li> <li>- Euro-ARGO, EMSO, EMBRC</li> <li>- Mercator, MyOCEAN, EMODNet, etc.</li> </ul>	These projects have similar mechanisms such as the SOF to interact with their stakeholders and GROOM will use them as well.
<b>III – Policy makers and public regional stakeholders</b>	<ul style="list-style-type: none"> <li>- EC / DGRI and DGMARE</li> <li>- Ministries for research</li> <li>- EuroGOOS, Marine Board, ESFRI</li> <li>- International organizations, like IOC/UNESCO, POGO</li> <li>- Conference of Peripheral Maritime Regions</li> <li>- Marine/maritime clusters</li> <li>- Any relevant regional organizations (marine protected areas, water agencies, etc.)</li> </ul>	A comprehensive list has already been established based on EC and GISC reports. By nature, most of these entities have an established methodology to gather expertise from the scientific community and GROOM will make use of them.
<b>IV – European SMEs and other non European glider/sensor manufacturers</b>	<ul style="list-style-type: none"> <li>- gliders: ACSA, Teledyne, I-Robot, Kongsberg</li> <li>- sensors: ANDERAA, CONTROS, Seabird, etc.</li> <li>- services: CLS, ACRI, KUM, RS Aqua Limited, etc.</li> </ul>	Several technological exhibitions and forums already exist for that, at the national and international levels. Some of the SMEs are also active partners in the marine/maritime clusters and contact with them will be easy.

In addition to the above listed way to contact and then work with the stakeholders, the possibility to organize a major event by the project itself was analyzed but was soon evaluated as unfeasible given the available resources. Clustering with other projects such as JERICO seemed also difficult. The participation to major international events or exhibitions

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was judged more feasible. Among them the European Maritime Days or the Oceanology International (OI) Exhibitions were selected because of the wide variety and numbers of participants. The participation of SMEs to the European Maritime Days was evaluated as significantly lower than at OI exhibitions. Unfortunately, OI'12 in London was too early for our starting project, OI'13 was scheduled in China and OI'14 (March 2014) was finally selected. This major GROOM event will be reported in D1.9

### III. LIST OF ACTIVITIES

Meetings, Exhibitions, etc. where GROOM partners participated and started an activity with the Stakeholders met during events are listed below.

	Name of the Event	Date	Location
1	First International symposium Marine Sciences and European Research Infrastructures, followed by the first JERICO Coastal Technology Open Forum	28/06/2011	Brest, France
	<p>For the record, this was the first official presentation of the GROOM project. At that time GROOM Grant Agreement was under negotiation, and the project started 2 months later. GROOM project was presented in plenary session during the symposium. Contacts with several future AB members were established during this symposium, as well as contacts with stakeholders among 3 of the categories listed above.</p> <p>I – IOOS            II – JERICO, Euro-Argo, EMSO, EMBRC            III – ECMarine Board, ESFRI ENV SWG, CPMR, DG RTD Marine RI working group            IV – None</p>		
2	The Future of Operational Oceanography	27/10/2011	Hamburg, Germany
	<p>I – None            II – MyOcean            III – None            IV – Several German SMEs</p> <p>This series of biennial symposium focuses on monitoring, forecasting, and assessment of the European seas and coastal waters, national and international observational networks, land and satellite based remote sensing, and operational products which transfer the scientific information of oceanographic data to a broad user community in a usable way. The aim of the symposium is</p> <ul style="list-style-type: none"> <li>- to stimulate the discussion about new observational and modeling techniques and</li> <li>- to identify the benefits for marine industries such as fisheries, offshore activities, shipping and tourism as well as for new demands and challenges for operational services and institutions.</li> </ul> <p>HZG presented its glider activity to be done within GROOM and COSYNA.</p>		
3	2012 Ocean Sciences Meeting	20/02/2012	Salt Lake City, USA

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	<p>I – WHOI, UW, SOI, Maine Univ., Rutgers Univ.          II – Not in the glider session chaired by GROOM          III – None          IV – Numerous SMEs among them ACSA, HYDROPTICS</p> <p>Several presentations by GROOM partners on the first scientific results already achieved in GROOM, including one on the project itself, were presented in a glider session chaired by Hervé Claustre (UPMC)</p>		
4	MerMex Algérie Kick Off Meeting	20/02/2012	Algiers, Algeria
	<p>I – Algerian scientists from RASMER (Algerian Marine Science network)          II – None          III – Official from the Algerian Minister of Research          IV – None</p> <p>During this workshop, the starting Algerian Marine Observing System (SOMBA) was presented. GROOM was also presented to prepare the room for glider in SOMBA. An answer to access glider through the TNA JERICO was scheduled at that time.</p>		
5	6th GEO European Projects' Workshop (GEPW-6)	07/05/2012	Rome, Italy
	<p>I – None          II – EMSO, MyOCEAN          III – ESFRI ENV SWG and other GEO stakeholders          IV – None</p> <p>GROOM was presented during the Marine Session. Contact were established during this workshop with the chairman of the Ocean Research Coordination Network (supported by NSF).</p>		
6	SARUMS Meeting at European Defense Agency	11/06/2012	Brussels, Belgium
	<p>I – None          II – None          III – European Defence Agency and similar stakeholders          IV – Companies from the marine robotics sector</p> <p>The objective of SARUMS is to provide European Navies a best practice safety framework for Unmanned Maritime Systems that recognizes their operational usage, legal status and the needs of Navies. The philosophy behind this guidance will be based on the management of risk as well as applicable rules and regulations. The group is currently developing a document for this purpose titled: Best practice guide for Unmanned Maritime Vehicles handling, operations, design and regulations. The SARUMS group is open to experts such as UMS users, designers, regulatory and legislation experts and maritime administrations. GROOM was invited to participate to SARUMS work which was thought to be the unique relevant existing forum for GROOM task 2.2 <i>Legal framework</i>.</p>		
7	Second EU-Australia workshop on research infrastructure	26/06/2012	Brussels, Belgium
	<p>I – IMOS/ANFOG          II – Research infrastructure partners, stakeholders          III – Officials of DGRI          IV – None</p> <p>A dedicated side meeting with Roger Proctor from IMOS was held to prepare the work on data management with ANFOG, the Australian Glider Facility within IMOS.</p>		
8	MSI-TSM 2012 Workshop	13/11/2012	Toulon, France

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	<p>I – None II – EuroFleet III – EraNet SeaEra IV – None</p> <p>The first contact with the ERANet SeasEra (J.-F. Masset) allowed including GROOM and the Observing Systems using gliders (SOCIB, MOOSE) in the mapping exercise on Marine RIs that SeaERA was conducting for the Mediterranean.</p>		
9	<p>Building a Network of European Innovative Marine Clusters</p>	05/12/2012	Brussels, Belgium
	<p>I – None II – None III – EC/DGRI officials, The French Marine Mediterranean Cluster "PoleMer Méditerranée" IV – None</p> <p>First meeting with Florian Carré from PoleMer. The possibility to share the organization of PoleMer booth at the next Maritime Days was discussed. Since, contacts with PoleMer never stop. PoleMer favored a rapprochement of GROOM with the SeaExplorer project supported by PoleMer. The coordinator of GROOM also participated to several regional meetings managed by PoleMer for the Marine Environmental Monitoring activities.</p>		
10	<p>GODAE: Costal and Shelf Seas Task Team – International Coordination Workshop 2 (COSS-ICW2)</p>	04-07 /02/2013	Leece, Italy
	<p>I – None II – MyOcean, GODAE and GOOS communities III – None IV – None</p> <p>The main goal of the Coastal Ocean and Shelf Seas Task Team (COSS-TT) is to work in coordination with GODAE Ocean View (GOV)-ST and GOOS towards the provision of a sound scientific basis for sustainable multidisciplinary downscaling and forecasting activities in the world coastal oceans. The strategic goal of the TT is to help achieve a truly seamless framework from the global to the coastal/littoral scale. Glider data assimilation approaches developed within GROOM were presented by CMRE and UCY partners.</p>		
11	<p>SeasEra 2nd Pan-European Strategic Forum</p>	06/02/2013	Brussels, Belgium
	<p>I – None II – None III – Official from EC/DGRI and DGMARE, Marine Board and other SeasEra partners, PoleMer Méditerranée IV – None</p> <p>Participation of GROOM coordinator</p>		
12	<p>Ocean Observing Systems Workshop</p>	13/05/2013	Mindelo. Cape Verde
	<p>I – INDP II – None III – Local Authorities IV – Local companies</p> <p>Participation of PLOCAN</p>		

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	OCEANS13 MTS/IEEE	10-13 /06/2013	Bergen. Norway
<b>13</b>	<p>I – IOOS            II – Scientists from the observing system communities            III – International, national and regional stakeholders            IV – Numerous companies</p> <p>Several groom partners participated to this major event for ocean technologies. It included several session were GROOM activities were presented. UIB (Peter Haugan) was part of the organizing committee of the conference.</p>		