

## Report

<b>Meeting</b>	<b>EuroGOOS AISBL Annual Meeting (General Assembly)</b>
Date & time	20 May 2015 (13:00) to 22 May 2015 (12:00)
Venue	EuroGOOS AISBL/BELSPO, Av. Louise 231, 1050 Brussels BELGIUM

- All referenced documents and meeting presentations are available at: <http://eurogoos.eu/documents/annual-meetings/>
- List of annexes:
  1. Full list of actions
  2. Formal resolutions
  3. Member contributions 2016 and 2017
  4. List of participants
- A news item on EuroGOOS website: <http://eurogoos.eu/2015/05/22/eurogoos-2015-annual-meeting-20-22-may-2015/>

### DAY 1: Open Session

#### 1. Chair's welcome

Erik Buch welcomed the meeting delegates. The agenda of the meeting (EG15.28) was adopted.

#### 2. Reports from Chair and Secretariat

##### 2.1. Chair's Report

Erik Buch presented an overview of the organisation's activities to date, touching upon:

- Secretariat/staff matters;
- EuroGOOS strategy 2014-2020;
- European Ocean Observing System (EOOS);
- Communication;
- H2020 Projects;
- Organisation structure (ROOSes, Working Groups and Task Teams);
- Conference;
- International cooperation and GOOS;
- Copernicus.

He introduced Dina Eparkhina to the members who has joined the Secretariat as Coordination and Communication Officer. Dina previously worked at the European Marine Board in Ostend. She joined the EuroGOOS team on a service contract in early May and will be fully employed as of September. At EuroGOOS, Dina will develop the Communication Strategy and support communication tasks in Horizon 2020 projects, notably Columbus and AtlantOS.

## 2.2. Secretariat Report

The Secretary General Glenn Nolan took office in Brussels on 1 May 2015. He presented a plan for running the Secretariat, focusing on a set of priorities pertaining to the EuroGOOS Strategy such as:

- Developing a communication strategy for EuroGOOS;
- Strengthening and assisting the TTs, WGs and ROOSes;
- Developing and promoting the EOOS concept;
- Membership strategy;
- H2020 projects;
- GOOS and Black Sea capacity.

Glenn Nolan updated the meeting on the EOOS brainstorming workshop which took place a week prior to the General Assembly at the EuroGOOS offices, organized jointly by EuroGOOS and the European Marine Board. A detailed overview of the workshop was presented on Day 2.

Dina Eparkhina presented an outline of the communication strategy. The strategy will build on the EuroGOOS strategic plan 2014-2020 and will focus on impact and growth. The General Assembly welcomed the approach. The following points were made:

- Need to establish stronger communication links with ROOSes. Joint participation at the European Maritime Day exhibitions was mentioned as an example;
- Include young researchers as one of the communication targets;
- Use EuroGOOS as an interface between the observation community and policymakers, also to promote better links between different DGs of the Commission;
- Build in the communication plan a mechanism to protect EuroGOOS visibility with the promotion of EOOS;
- There may be a need to rethink some terminology to attract wider audience (e.g. policy, who may not be familiar with technical terms).

**Action 1:** Develop the EuroGOOS communication strategy (Secretariat, update on progress at General Assembly 2016).

## 3. Links with international / EU partners & initiatives

The importance of communication and cooperation with international initiatives and the private sector has been identified and the Secretariat and chair have taken initiatives to establish better links with those partners. The following organisations were invited to participate to the General Assembly Open Session:

- POLARISK Group (Mikå Mered);
- IMBER – (Einar Svendsen);
- Southern Ocean Observing Systems - SOOS (Anna Wåhlin);
- Copernicus Marine Service (Pierre Yves Le Traon on behalf of Pierre Bahurel, Mercator Ocean): The EC has delegated Mercator Ocean to run the operational Copernicus Marine Environment Monitoring Service (CMEMS). Following that, Mercator launched calls for tenders to set up contracts for the different tasks needed to deliver the service (concluded in April 2015). The service runs operationally and uninterrupted since May 2015;
- JERICO and JERICO-Next projects (Patrick Farcy).

All presentations are available here: <http://eurogoos.eu/documents/annual-meetings/>

#### 4. Reports from ROOS Chairs

##### **NOOS (H. Wehde)**

Chair presented the NOOS activities, highlighting the following challenges and plans:

- Achieving better coordination of national monitoring systems;
- Lack of resources for several members to participate in NOOS and its projects;
- Bridging the gap between core marine services and downstream services;
- Increased focus on products;
- MSFD/OSPAR, inclusion of biogeochemistry.

##### **IBI-ROOS (J. Mader)**

EuroGOOS members welcomed the new co-chairs of IBI-ROOS, Julien Mader of AZTI Tecnalia and Manuel Ruiz of IEO. Glenn Nolan stepped down from the role of IBI-ROOS chair when he was appointed EuroGOOS Secretary General. A new plan of activities for 2015-2020 is underway and is foreseen for the end of summer. Other priorities include:

- Defining user requirements in new Copernicus Marine Service;
- Observing system requirements;
- Opportunities for coordinating coastal observatories.

### **DAY 2: Open Session**

#### 4. Reports from ROOS Chairs (cont'd)

##### **Arctic ROOS (S. Sandven)**

The chair presented an overview of Arctic ROOS activities in 2014-15. Main highlights included:

- Arctic Marine Forecasting Center (work under MyOcean) proposal for Copernicus marine services;
- Sea ice monitoring for climate and operational services, promotion towards Arctic operators;
- ESA CCI programme: Sea ice project (produce climate data sets for ice concentration, ice thickness and ice drift);
- Cooperation with EMODnet Physics to increase *in situ* data;
- Updates of the website (<http://arctic-roos.org>), supported by a secretariat at NERSC (Morten Stette);
- New H2020 project (SPICES coordinated by FMI);
- New members of Arctic ROOS: DCOO has signed, MRI and UNIS in progress.

The chair also noted that a process on an Arctic GOOS has been initiated in cooperation with IOC.

##### **BOOS (U. Lips)**

The chair presented recent activities and priorities for BOOS members. A strategy for 2016-2020 is being prepared and will be presented at the 2016 General Assembly. Main priorities for BOOS in 2016-2020 include:

- Service development;
- Observations including remote sensing;
- Forecasting systems;
- Promotion and communication;

- Research and development.

### **MONGOOS (G. Coppini)**

MONGOOS co-chair presented the activities. The following items were highlighted:

- MonGOOS is an active organization for coordinating OO in the Mediterranean Sea. Participation in MonGOOS has benefits and no costs;
- Further coordination with AfricaGOOS was required;
- The relationship with Copernicus is strong and is progressively being enforced;
- MoU with EuroGOOS is in preparation;
- Copernicus started on 1 May 2015 and will consolidate the OO in the Med for the different components;
- New strategy has been drafted and will be proposed for approval to MONGOOS partners;
- MONGOOS will support the EOOS towards Africa.

### **Presentation of outcomes from the brainstorming workshop on a future EOOS (Secretary General)**

The concept of an end-to-end European Ocean Observing System was formally endorsed at the EurOCEAN 2010 conference where the resulting Ostend Declaration called for policy makers to *'Support the development of a truly integrated and sustainably funded "European Ocean Observing System" to establish Europe's global leading role in marine science and technology...'*. Most recently, the Rome Declaration, adopted in October 2014 at the EurOCEAN 2014 conference, called for action to advance ocean knowledge by *'Building a greater knowledge base through ocean observation and fundamental and applied research'* and specifically for *'further development of the European Ocean Observing System (EOOS), integrated at the global level (including GOOS, GEO and Copernicus)'*.

EuroGOOS and European Marine Board took a leading role in developing the scope and needs for the future EOOS *in situ* component organizing a brainstorming workshop in Brussels on 12-13 May 2015. 20 experts participated in a personal capacity supported by a professional facilitator. The workshop defined EOOS, the drivers for its development, and discussed implementation steps.

The General Assembly welcomed this initiative. It was highlighted that EOOS should support integration and avoid fragmentation of the observing system. Furthermore, it was noted that such a framework will allow a coherent common voice for ocean observing (both coastal and offshore) to the EU policy and decision makers. Members mandated the EuroGOOS office to take a leading role in driving this process. Concerns were expressed regarding the sustainability of funding. It was also mentioned that science and technology companies should be on board.

**Action 2:** Engage in further developing the EOOS concept and visibility, with regular progress updates to the members (Secretariat, update on progress at Executive Board and GA meetings).

### **5. Reports from Working Groups**

Progress reports presented from the following EuroGOOS working groups (WGs):

- DATA-MEQ (S. Pouliquen);
- SAWG (P.Y. Le Traon on behalf of J. She);
- TPWG (G. Nolan) - the Group needs to appoint a new chair as G. Nolan has taken the role of Secretary General;
- COSMO (J. Siddorn on behalf of P. Oddo);

With regards to the EPWG, the members mandated the Exec. Board to investigate the future of this WG.

All presentations are available here: <http://eurogoos.eu/documents/annual-meetings/>

**Action 3:** Circulate the COSMO WG questionnaire (COSMO chair in liaison with Secretariat, 31 August 2015).

## 6. Reports from Task Teams

Representatives from EuroGOOS Task Teams presented the draft terms of reference to be approved by the General Assembly.

- HF Radar (J. Mader);
- Gliders (A. Beszczyńska on behalf of P. Testor);
- Ferrybox (G. Petihakis on behalf of Wilhelm Petersen);
- Tide Gauges TT - the TT chair could not attend the meeting; the group will hold the kick-off meeting in June;
- Euro-Argo (S. Pouliquen) - This is not a EuroGOOS TT *per se*; an MoU describing the cooperation between EuroGOOS and Euro-Argo has been signed.

## 7. Reports from EU projects

### GMES-PURE (Y. Antoniou)

The GMES-PURE project (Partnership for User Requirements Evaluation, <http://gmes-pure.eu/>) is an FP7 Coordination and Support Action, which aimed to support the EC in capturing current and emerging requirements of the users of Copernicus marine and atmosphere services. The project ran from 1 January 2013 to 31 December 2014. The main activity of EuroGOOS was the definition of marine user requirements. This was achieved through analysis of existing requirements, collected mainly through the MyOcean and MyOcean2 projects as well as through dialogue with users. The main contribution of the Secretariat was completed in March 2014. Contributions were also made from DMI that represented EuroGOOS and worked on the development of service specifications based on the defined user requirements. All documents/deliverables are available here: <http://gmes-pure.eu/deliverables/public-documents/>.

### EMODnet Physics (P. Gorringer)

Some EMODnet Physics highlights:

- HF Radar data are now accessible and viewable on the EMODnet Physics portal;
- HF Radar data THREDDS test catalogue is published and available on the web, <http://hfr-thredds.emodnet-physics.eu/thredds/catalog.html>;
- A specific action has started with IZOR (Croatia), SOCIB (Spain), CNR (Italy), HZG (Germany) and IOI (Malta) in order to access their HF Radar data;
- 13 fixed platforms from Iceland now fully integrated and available;
- Data from Cyprus, Paphos, fully integrated and available;
- 27 tide gauges provided from the Norwegian Hydrographic Service;
- In total additional 305 platforms made available in the past year in the ROOS data portals and hence to the In Situ TAC and EMODnet thanks to EMODnet Physics activities with the ROOSes;
- Currently EMODnet Physics makes available data from approximately 5,300 platforms;
- EMODnet Physics is now showing a specific layer with Ferrybox routes for the past three days and making progress in visualizing FB data;
- Real time data provided from five Swedish ice breakers.

EMODnet will organize an Open Conference and Jamboree on 20-22 October in Ostend. During the conference EMODnet Physics together with the DATA-MEQ WG will have side meetings.

EuroGOOS has initiated a dialog with DG MARE on making the EMODnet Physics portal global by integrating data from the GOOS Regional Alliances (GRAs) to the benefit of EMODnet users and GOOS. IOOS data as well as Argo and drifters have already been integrated successfully on a test basis. The members noted the strong links between EMODnet Physics and the Copernicus Marine Service (CMEMS) and that better dialogue needs to be established among the two initiatives. EuroGOOS members participating in both initiatives can contribute to this.

### **New projects**

EuroGOOS is participating in the following projects: AtlantOS, COLUMBUS, JERICO NEXT, ENVRI Plus, EMODnet Physics and Copernicus INSITU. The project deliverables are supported by the Secretariat. An extra staff member will be hired in autumn focusing particularly on AtlantOS. The job announcement will be circulated to the members.

## **DAY 3: Formal meeting**

### **8. Membership**

EuroGOOS has received applications for membership from the following institutes:

- DLTM / Ligurian Cluster of Marine Technologies;
- Croatian Meteorological and Hydrological Service; and
- Croatian Institute of Oceanography and Fisheries.

Representatives from the candidate members presented their institutes. DLTM had applied for membership also in 2014, but at the time EuroGOOS was not ready to approve an application from a cluster comprising mainly of private sector industries. In March 2015 the EuroGOOS Extraordinary Members Meeting amended the Internal Rules so that private bodies can also enter the Association, therefore DLTM can now be considered for membership.

All applications were approved by the General Assembly. With this addition, EuroGOOS reaches a total of 40 members representing 19 European countries.

**Formal Decision:** The General Assembly approved the application for membership from the following institutes:

- DLTM / Ligurian Cluster of Marine Technologies;
- Croatian Meteorological and Hydrological Service; and
- Croatian Institute of Oceanography and Fisheries.

### **9. Review of actions from General Assembly 2014**

The chair ran through the 2014 actions. All actions were reported as completed.

### **10. Approval of new activities and subsidiary bodies**

The members were invited to approve the terms of reference for the EuroGOOS Task Teams (TT). The Board decided in August 2014 to introduce the concept of observational task teams as a cross-cutting activity within EuroGOOS. The TT chairs and representatives presented the draft terms of reference on Day 2; some comments, changes and additions have been proposed and the terms of reference will be updated accordingly.

### **11. EuroGOOS Conference 2014**

The 7<sup>th</sup> EuroGOOS conference took place in Lisbon on 28-30 October 2014 hosted by the Portuguese Hydrographical Institute. The conference brought together around 190 participants.

It was a very successful meeting, with many interesting presentations from invited keynote speakers as well as representatives from member and non-member organisations. The conference proceedings are underway with publication planned for autumn 2015. Some of the presentations have been selected for publication in a special issue of "Ocean Sciences" dedicated to Operational Oceanography edited by Johnny Johannessen.

The members would like to see more young scientists participating in the conference and becoming more familiar and involved with EuroGOOS. The Secretariat took note of that and will include young researchers as one of the communication targets.

**Action 4:** Prepare the communication plan for the 2017 conference including the lessons learned from previous events (Secretariat, update on progress at 2016 General Assembly).

### **12. Financial Matters**

The chair presented the report of the 2014 closure and budget projections 2015-2016. The meeting approved the 2017 membership fees (which are the same as in 2016, approved at the 2014 General Assembly).

**Formal Decision:** The General Assembly approved the membership fees for 2017 listed in Annex 4 of the present document.

It was noted that the Secretariat will prepare a document outlining the benefits of EuroGOOS membership. Such a document will both help the current members secure future funding for membership fees and attract new members.

**Action 5:** Develop a document and webpage on the benefits of EuroGOOS membership (Secretariat, 20 December 2015).

### **13. Executive Board Elections**

The mandates of two Executive Board members came to end:

- Alessandro Crise - Executive Board Member and vice-chair; and
- Johannes Harm Oterdoom - Executive Board Member.

**Formal Decision:**

The General Assembly appointed the following persons as Executive Board Members for a term of three years, ending immediately after the General Assembly 2018:

- Ms Rosalia Santoleri, born on 27 August 1957 in Colleferro (Italy), residing at via Fontana dell'Oste 13B, Colleferro, Italy;
- Mr George Petihakis, born on 20 April 1965 in Sitia, Crete (Greece), residing at A. Papandreou 44, Ammoudara - Gazi, GR71414 Iraklion - Crete, Greece;
- Mr Antonio Dos Santos Martinho, born on 30 April 1969 in S. Sebastião da Pedreira, Lisbon (Portugal), residing at Rua Pulido Valente, Nr 6 - 4<sup>ª</sup>A, 2675-672 Odivelas, Portugal.

In addition, the General Assembly appointed George Petihakis as vice-chair for a term of three years, ending immediately after the General Assembly 2018.

In accordance with Article 10.3 of the articles of association, the General Assembly decided to increase the maximum number of Executive Board Members to eight.

At present the Executive Directors Board is composed of the following Executive Board Members (Executive Directors):

- Mr Hans Erik Buch, chair;
- Mr George Petihakis, vice-chair;
- Mr Bernd Brügge;
- Mr Johnny A. Johannessen;
- Mr Pierre Yves Le Traon;
- Mr Urmas Lips;
- Ms Rosalia Santoleri;
- Mr Antonio Dos Santos Martinho.

In accordance with Article 10.10 of the articles of association, the Association is validly represented towards third parties or in justice by the chair or, in his absence, the vice-chair or, if upon special mandate by the Executive Directors Board, by another Executive Director.

The General Meeting decides to grant a power of attorney to the Secretary General and to Ms Virginie Ciers, Ms Olga Matiychuk and/or any other lawyer of the law firm NautaDutilh, with offices at Chaussée de la Hulpe 120, 1000 Brussels, Belgium, each acting individually and with the power to sub-delegate his or her authority, to translate the decisions taken in this meeting into French for the purpose of publishing them in the Belgian State Gazette where and if necessary and to carry out all necessary or useful formalities with regard to the decisions of the General Meeting taken in this meeting, including but not limited to, the filing of the necessary or useful documents with the court's clerk, the signing and submission of the request to amend the Association's file with the Crossroads Enterprise Bank and ensuring publication of the Association's decisions in the annexes to the Belgian State Gazette. To this respect, the abovementioned attorney-in-fact may in general make all declarations, sign all documents and more specifically may draw up any excerpts from decisions of the Association, including translating the decisions of the Association, in view of the publication into the Belgian State Gazette.

#### **14. Next General Assembly**

The next Annual Meeting is planned for the week of 23-27 May 2016, tentative dates: 25-27 May.

**Action 6:** Organize the 2016 General Assembly in the week of 23-27 May 2016 (Secretariat, 26 May 2016).

#### **15. AOB**

The Executive Board thanked Erik Buch for his support to the Secretariat as working chair. The meeting also thanked the outgoing Executive Directors, Alessandro Crise and Johannes Harm Oterdoom. Finally, the meeting gave a special thanks to Yota Antonoiu for her unstinting support to the office over the last two years. Yota is leaving EuroGOOS at the end of June 2015.

The chair thanked everyone for their active participation and closed the meeting.





## ANNEX 1: LIST OF ACTIONS

**Action 1:** Develop the EuroGOOS communication strategy (Secretariat, update on progress at General Assembly 2016).

**Action 2:** Engage in further developing the EOOS concept and visibility, with regular progress updates to the members (Secretariat, update on progress at Executive Board and GA meetings).

**Action 3:** Circulate the COSMO WG questionnaire (COSMO chair in liaison with Secretariat, 31 August 2015).

**Action 4:** Prepare the communication plan for the 2017 conference including the lessons learned from previous events (Secretariat, update on progress at 2016 General Assembly).

**Action 5:** Develop a document and webpage on the benefits of EuroGOOS membership (Secretariat, 20 December 2015).

**Action 6:** Organize the 2016 General Assembly in the week of 23-27 May 2016 (Secretariat, 26 May 2016).

## ANNEX 2: FORMAL RESOLUTIONS

**Formal Decision:** The General Assembly approved the application for membership from the following institutes:

- DLTM / Ligurian Cluster of Marine Technologies;
- Croatian Meteorological and Hydrological Service; and
- Croatian Institute of Oceanography and Fisheries.

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**Formal Decision:** The General Assembly approved the membership fees for 2017 listed in Annex 4 of the present document.

### **Formal Decision:**

The General Assembly appointed the following persons as Executive Board Members for a term of three years, ending immediately after the General Assembly 2018:

- Ms Rosalia Santoleri, born on 27 August 1957 in Colleferro (Italy), residing at via Fontana dell'Oste 13B, Colleferro, Italy;
- Mr George Petihakis, born on 20 April 1965 in Sitia, Crete (Greece), residing at A. Papandreou 44, Ammoudara - Gazi, GR71414 Iraklion - Crete, Greece;
- Mr Antonio Dos Santos Martinho, born on 30 April 1969 in S. Sebastião da Pedreira, Lisbon (Portugal), residing at Rua Pulido Valente, Nr 6 - 4ªA, 2675-672 Odivelas, Portugal.

In addition, the General Assembly appointed George Petihakis as vice-chair for a term of three years, ending immediately after the General Assembly 2018.

In accordance with Article 10.3 of the articles of association, the General Assembly decided to increase the maximum number of Executive Board Members to eight.

### ANNEX 3: MEMBER CONTRIBUTIONS 2016-2017

N°	Member Organization	Country	Category	Membership fees in 2016 and 2017
1	BSH	Germany	5	12 000.00
2	HZG	Germany	5	12 000.00
3	IFREMER	France	5	12 000.00
4	Mercator	France	5	12 000.00
5	Met Office	UK	5	12 000.00
6	NERC	UK	5	12 000.00
7	Cefas	UK	5	12 000.00
8	CNR	Italy	4	10 000.00
9	ENEA	Italy	4	10 000.00
10	INGV	Italy	4	10 000.00
11	OGS	Italy	4	10 000.00
12	CMCC	Italy	4	10 000.00
13	ISPRA	Italy	4	10 000.00
14	DLTM	Italy	4	10 000.00
15	IEO	Spain	4	10 000.00
16	PdE	Spain	4	10 000.00
17	IMR	Norway	4	10 000.00
18	NERSC	Norway	4	10 000.00
19	MetNo	Norway	4	10 000.00
20	Deltares	Netherlands	3	8 500.00
21	KNMI	Netherlands	3	8 500.00
22	Rijkswaterstaat	Netherlands	3	8 500.00
23	SMHI	Sweden	3	8 500.00
24	MDK	Belgium	3	8 500.00
25	RBINS	Belgium	3	8 500.00
26	DMI	Denmark	3	8 500.00
27	FCOO	Denmark	3	8 500.00
28	FMI	Finland	3	8 500.00
29	IMI	Ireland	3	8 500.00
30	IMWM	Poland	2	5 000.00
31	IOPAS	Poland	2	5 000.00
32	MIG	Poland	2	5 000.00
33	HCMR	Greece	2	5 000.00
34	IH	Portugal	2	5 000.00
35	IPMA	Portugal	2	5 000.00
36	UC-OCY	Cyprus	1	3 500.00
37	MBSS	Slovenia	1	3 500.00
38	CMHS	Croatia	1	3 500.00
39	CIOF	Croatia	1	3 500.00
40	TTU-MSI	Estonia	1	3 500.00
				<b>336 500.00</b>

## ANNEX 4: LIST OF PARTICIPANTS

### EuroGOOS AISBL member representatives

- Arno Behrens	HZG
- Agnieszka Beszczyńska-Moeller	IOPAN
- Bernd Brügge	BSH
- Giovanni Coppini	CMCC
- Stephan Dick	BSH
- Guido Dumon	MDK
- Federico Falcini	CNR
- Mick Gillooly	IMI
- Bruce Hackett	MET Norway
- Niels Holt	FCOO
- Johnny Johannessen	NERSC
- Włodzimierz Krzyminski	IMWM
- Iréne Lake	SMHI
- Alicia Lavin	IEO
- Pierre-Yves Le Traon	IFREMER
- Sébastien Legrand	RBINS/OD Nature
- Urmas Lips	MSI
- Antonio Santos Martinho	IH
- Harm Oterdoom	Rijkswaterstaat
- George Petihakis	HCMR
- Sylvie Pouliquen	IFREMER
- Giulietta Rak	ISPRA
- Jennifer Riley	NERC/NOC
- Manuel Ruiz	IEO
- Stein Sandven	NERSC
- A. Miguel Santos	IPMA
- John Siddorn	UK Met Office
- Kai-Christian Soetje	BSH
- Laura Tuomi	FMI
- Jitze P. van der Meulen	KNMI
- Henning Wehde	IMR
- Annette Zijderveld	Deltares

### Organisations applying for membership

- Ivan Cacic	Croatian Meteorological and Hydrological Service
- Vlado Dadic	Croatian Institute of oceanography and fisheries
- Dijana Klaric	Croatian Meteorological and Hydrological Service
- Antonio Novellino	ETT/DLTM
- Vlasta Tutis	Croatian Meteorological and Hydrological Service

### Invited to attend the open days and guests

- Patrick Farcy	IFREMER
- Julien Mader	AZTI tecnalia
- Mikå Mered	POLARISK Group
- Ingrid Puillat	IFREMER
- Einar Svendsen	IMBER
- Anna Wåhlin	SOOS

### **EuroGOOS AISBL Chair and Secretariat**

- Erik Buch (Chair)
- Glenn Nolan (Secretary General)
- Yota Antoniou
- Dina Eparkhina
- Patrick Gorringe

### **Apologies**

- |                          |  |
|--------------------------|--|
| - Enrique Alvarez Fanjul | Puertos del Estado, Member             |
| - Pierre Bahurel         | Mercator Ocean, Member                 |
| - Franciscus Colijn      | HZG EuroGOOS Task Team                 |
| - Alessandro Crise       | OGS Member                             |
| - Antonio Guarnieri      | INGV Member                            |
| - Jari Haapala           | FMI Member                             |
| - Stephen Hall           | NERC/NOC Member                        |
| - Ole Krarup Leth        | DMI EuroGOOS Working Group             |
| - Vlado Malačič          | NIB Member                             |
| - Paolo Oddo             | COSMO WG Chair                         |
| - Begona Perez           | Puertos del Estado, EuroGOOS Task Team |
| - Wilhelm Petersen       | HZG EuroGOOS Task Team                 |
| - Peter S. Rasch         | DMI Member                             |
| - Gianmaria Sannino      | ENEA Member                            |
| - Rosalia Santoleri      | CNR Member                             |
| - Jun She                | DMI EuroGOOS Working Group             |
| - Emil Stanev            | HZG Member                             |
| - Pierre Testor          | LOCEAN EuroGOOS Task Team              |
| - Nicki Villars          | Deltares Member                        |
| - George Zodiatis        | OC-UCY Member                          |

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**Report revised by EuroGOOS members between: 20 August and 16 September 2015**

**Finalized and signed on 17 September 2015 by:**

Dr. Hans Erik Buch

Dr. George Petihakis



EuroGOOS AISBL Chair

EuroGOOS AISBL Vice-Chair