

## Directors Report 2011

As in earlier years I have been well assisted by the EuroGOOS Chair, and for several joint activities I refer to his report.

In the EuroGOOS Office I have worked together with Siân and from August also with Patrick, who returned in July from his mission in Australia.

The EuroGOOS Plan 2010-2013, based on the short term strategies decided at the Annual Meeting 2009, has guided the work during the year. The Plan is annexed to my report, and including short notes on implementation of actions.

The most important work during the year has been the role of EuroGOOS and its future. The role

- a. in relation to the global development of GOOS,
- b. as representative for Operational Oceanography in Europe,
- c. as initiator and partner of European regional systems, ROOSs,
- d. in activities beneficial for all members.

In any role we have to remember that EuroGOOS consists of its members. The Office and I can promote and co-ordinate, but the real work, to develop, build and operate, has to be done by the members, together or in groups. This is reflected in the EuroGOOS Plan, but also in the work of the ROOSs and externally funded projects.

The work on the future of EuroGOOS has been based on the report from the Expert Group on the Future of EuroGOOS that was adopted by the Annual Meeting 2010. The activities have included: update of the document "Proposal for EuroGOOS to become an EIG"; meetings with EUMETNET Director to discuss experiences of the similar process within EUMETNET; communication with lawyer in Brussels, and preparation of draft EIG Agreement; member contacts including meetings with 11 members at administrative level.

a) The work in relation to the global development of GOOS is basic. The current contacts with the IOC GOOS Project Office have continued. This year the work has focused on the development of Coastal GOOS, and Kostas Nittis and I co-chaired the GOOS Regional Council, GRC, from November 2008 until October this year. The position as co-chair included the arranging of a GOOS Regional Forum that took place as a side event to the EuroGOOS Conference in Sopot. As co-chair of GRC I was also *in officio* member of the Board of the Intergovernmental Committee for GOOS, IGOOS. In this Board I have actively promoted the strengthening of GOOS, and changed governance. The IOC Assembly decided at its 26<sup>th</sup> Session to close IGOOS, move the decisions directly to the Assembly, close other GOOS subsidiary bodies, and to establish an expert committee to prepare decisions. JCOMM is the implementing body of GOOS, and the role of oceanographers needs to be improved. I have just started the preparation of a co-ordinated approach from EuroGOOS members at JCOMM IV.

b) EuroGOOS is invited, as the European organisation for operational oceanography, to a multitude of events and activities. As Director I am also invited as expert or advisor in activities and projects run by other European bodies.

DG Enterprise is responsible for GMES, and I have continued the dialogue with the GMES Bureau, less the last year than earlier since the implementation of GMES Marine Services has a middle year. My role as chair of the implementation group remains and I have been informed that there will be more work next year.

DG MARE is developing the European Marine Monitoring and Data Network, EMODnet, within the European initiative "Knowledge 2020", well assisted in by EuroGOOS members and partners in different preparatory projects. I chaired the EMODnet Expert Group during the first two years, and I am now acting as past chair and member of the group. The EuroGOOS Office is a major partner together with SeaDataNet, MyOcean and the ROOSs in the EMODnet preparatory project on Physical Variables, which will continue for two more years.

DG R&D has the responsibility in the Commission for the development of GEO/GEOSS. During the last year I have participated with less intensity than earlier years due to the temporary loss of Patrick. I have only followed, not participated as earlier, the development of the next plan for GEO.

The EEA sees EuroGOOS as an important partner even if the EuroGOOS formal role in the co-operation is uncertain. EuroGOOS and the ROOSs have provided the EEA with substantial support in the co-ordination of the GMES marine *in situ* observing system. This work continues with the intention of finding formal support for the activities of the ROOSs.

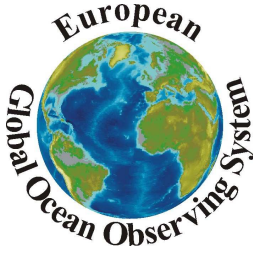
EMSA also regards EuroGOOS as an important partner in the work for maritime safety. In the contact with EMSA I have tried to promote the existing national and regional skills, and a bottom-up approach in EMSA's work for pan-European services.

During the last year the Office has intensified co-operation with ESA and EUMETSAT. I am a member of ESAs Earth Science Advisory Committee, ESAC, and am expected, in a personal capacity, to be able to represent GOOS and operational oceanography. Important work for us in that committee during next year will be the subject of *in situ* data for calibration and validation of satellite observations. Since April the EuroGOOS Office has assisted EUMETSAT in designing a project proposal on investigating the user needs of marine satellite observations. The PURE proposal, Partnership for User Requirement Evaluation, has now been submitted, which if granted will give EuroGOOS an important role in the project.

The Chair, some member representatives and I have, in different ways, together with the main players at ICES and the Marine Board, been active in MARCOM+, a project financed by DG R&D to coordinate priorities for future marine research in Europe. The project will end in April next year, but it is agreed that the network of marine research organisations will continue to co-operate. ICES is expected to act as secretariat. For several years we have worked together with ICES regarding operational products. This work is now intensified, and we plan joint work between EPWG and ICES WGOOFE.

c) A key role for EuroGOOS has from the beginning been to foster operational co-operation between members and partners. Data exchange and "core services" have developed at pan-European and European regional scale. EU-supported projects and ROOSs have been the implementation bodies. I have on all occasions during the year promoted the ROOSs in combination with the global component of MyOcean and Black Sea GOOS as the operational units where the observations and services shall be strongly co-ordinated to serve national and international needs. This now seems well accepted by the Commission and the European agencies. The Office is working together with the ROOSs to increase the regional ability to act in support of national services in the regions, and upstream at European and Global levels. The EMODnet Physical Parameters project gives valuable support to this work. Updated regional plans and the establishment of regional secretariats are part of the efforts.

d) A basic requirement for an organisation such as EuroGOOS is to be beneficial for all members. To give equal benefit to all members in each case is of course impossible, but we have to try. With the heterogeneous members of EuroGOOS, both as institutions and as representatives of countries, the Office and I do not have an easy task to live up to the ambitions, but I can assure you that we try. It is also important that all members try. The general objective for EuroGOOS is to build competitive, cost-efficient Operational Oceanography in Europe. In order to be successful and to cope with all top-down initiatives good internal trust is a necessity.



EG11.43

December 2011

# *Implementation status*

*1 December 2011*

## **EuroGOOS Plan 2010 - 2013**

### **Introduction**

To guide the implementation of operational oceanography, EuroGOOS has developed this Plan based on the Priorities defined in the EuroGOOS Short-term Strategy adopted at its Annual Members Meeting 2009.

EuroGOOS is an association of currently 34 European public bodies with national responsibilities for operational oceanography. EuroGOOS activities are tasks agreed to be performed by the members together or in subgroups. Present activities are to a large extent based on priorities agreed in 2002, together with EuroGOOS objectives laid out in the EuroGOOS Agreement of 1999.

### **Vision**

EuroGOOS shall be the lead organisation for co-ordination of Operational Oceanography and integration of governmental marine/maritime oceanographic services in Europe.

### **Strategy**

EuroGOOS shall contribute to assessing the state of the ocean, its use and role with regard to sustainable development to preserve the integrity of the ocean.

EuroGOOS shall promote operational oceanography in Europe, and assists its members in defining activity areas, infrastructure needs and governance models. To that extent EuroGOOS interacts with the European Commission and international and intergovernmental entities. In this EuroGOOS will coordinate the development of a blueprint for establishing and maintaining a pan-European infrastructure for operational oceanography, and advocating it with customers, operators and other users. In addressing these issues EuroGOOS will actively involve stakeholders, politicians and the public at large.

### **Priority 1**

**EuroGOOS shall act as the authoritative and competent expert voice of operational oceanography in all European activities.**

From its beginning the objective of EuroGOOS has been to promote operational oceanography in Europe by fostering and coordinating the activities of those institutions of the European States which contribute to GOOS, and by providing a platform to discuss new developments. Since then the cooperation at the European level, in particular in the framework of the European Union, has steadily increased. A multitude of institutions, bodies, working groups, projects and workshops are dealing with many different aspects of operational oceanography. It is becoming more and more urgent to avoid duplication of work and contradictory developments. With this regard the consultancy role of EuroGOOS and its representation in these bodies is gaining in importance. This requires that the EuroGOOS

representatives have a clear mandate to speak on behalf of the EuroGOOS members and their States.

**Goals:**

1. Transfer EuroGOOS to a legal entity that has the authority to represent its members in issues related to international Operational Oceanography.
2. Establishment of an internal governing system in order to secure correct representation of each member/state.
3. Establishment of national co-ordination bodies for Operational Oceanography.
4. Formal representation in European/Regional European institutions, bodies, working groups, and workshops that are dealing with different aspects of operational oceanography.

<b>Actions:</b>	
<b>2010</b>	
1.1 EuroGOOS to appoint an Expert Group on the future constitution of EuroGOOS, FEG.	Done
1.2 FEG to report on alternatives and recommendations on continued work to the EuroGOOS Annual meeting 2010.	Done
4.1 Director to continue to participate in GMES bodies (Advisory Council/Partner Board, chair Marine Core Service Implementation Group.	Done
4.2 Director to continue to participate in EMODnet (chair MODEG).	Done
4.3 Director to apply for second term as member of MODEG.	Done and accepted
4.4 Kostas Nittis to represent EuroGOOS in MARCOM+.	Done
4.5 Chair, Director and appointed members to participate in MARCOM+ XX	Done
4.6 Members and Director to participate in EEA activities related to marine observing systems.	Done
4.7 Members and Director to continue co-operation with ICES in activities related to GOOS, observations, data management, and operational oceanographic products.	Done
4.8 Office and BOOS to continue observership in HELCOM.	Has to be improved
<b>2011</b>	
cont. 4.1, 4.2, 4.4, 4.5, 4.6, 4.7, 4.8	4.8 needs improvement
1.3 Board, Expert group and Office shall, in accordance with decision by the Annual meeting 2010, prepare for an agreement to change legal status during 2012.	Done
2.1 Chair and Office will prepare first draft proposal on a new governing system. A mechanism to include subsidiary bodies shall be elaborated.	Ongoing

2.2 Board will discuss and complete draft proposal to be discussed and approved by the Annual Meeting.	Done and distributed to members
2.3 Prepare a better integration of ROOSs in the EuroGOOS governing system.	Meetings with ROOS chairs ongoing
3.1 Members will make/update survey of national bodies with responsibility for Operational Oceanography.	To be discussed with members
3.2 Members will make/update survey of national users of Operational Oceanography.	To be discussed with members
3.4 Members will, with possible support from EuroGOOS, build national co-ordination body for Operational Oceanography.	To be discussed with members
4.9 Director to participate in renewed EMODnet Expert Group.	Done
4.10 Director to promote EuroGOOS role in GMES governance (User Forum, Thematic facilitator).	Delayed because of GMES Bureau plans
4.11 Members to influence definition of Marine GMES services through their national representatives.	Members informed
4.12 Members to participate in development of EMODnet (preparatory actions, national commitments).	Ongoing
4.13 ROOSs to work for, and to participate, as observers in regional environmental conventions.	Ongoing
<b>2012</b>	
cont., 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 4.12, 4.13	4.4, 4.5 Finished
1.4 Members will sign new agreement.	
1.5 EuroGOOS Office will be located according to new constitution.	Offer to host EuroGOOS Office received from Belgium
1.6 Office and members will promote the "New EuroGOOS".	
2.4 Recruit new Director/General secretary	
2.5 Elect new chair.	
3.5 National co-ordination bodies will establish dialogue with national representatives in international bodies relevant for Operational Oceanography.	
<b>2013</b>	
cont. 4.7, 4.8, 4.12, 4.13	
1.5 Implement new constitution.	
1.6 Prepare and decide on new short-term strategy and plan.	
3.6 National co-ordination bodies will be represented at EuroGOOS Members' meetings.	

## Priority 2

### Take the lead in representing and promoting operational marine services in Europe

Right from the start, EuroGOOS has been involved in the development of the marine part of the GMES initiative. From competing, but not very different internal proposals, MerSea Strand 1 followed by the MerSea Integrated Project took the lead in the development of European Global Ocean forecasting. Projects such as ECOOP and SEPRISE have continued to build and demonstrate the system design for a cost-efficient pan-European system for operational oceanographic services. The GMES Marine System which is expected to be implemented in its first phase by the MyOcean project is based on joint production of European and regional core services to be used freely by public and private service providers in down-stream services. EuroGOOS members and regional partners are main producers as well as important users of the system.

#### Goals:

5. To get best possible support from European Commission for the development of operational oceanographic services.
6. Implemented operational services at European and regional scale, and joint development and spread of best practise to national service providers.
7. EuroGOOS responsibility for pan-European operational oceanographic tasks and services

<b>Actions</b>	
<b>2010</b>	
5.1 Members with support of Office to actively respond to EU calls for proposals and tenders related to operational oceanography.	Done
5.2 Office and members to promote development of operational oceanographic services in EU framework programmes.	Not relevant 2010
5.3 Office and Board to increase engagement in MyOcean project.	Done
5.4 EuroGOOS/IMR to participate in JERICO project.	Done
5.5 EuroGOOS/SMHI to participate in EMODNET Physics tender.	Done
5.6 EuroGOOS/IMI to participate as WP leader in MyOcean 2 proposal.	Done
6.1 Office and members to promote Marine Core Service Implementation, and MyOcean projects.	Done
6.2 Office to participate in ROOS meetings.	Done
6.3 Encourage members' participation in EuroGOOS Product Working Group, EPWG.	Done, but no success. Ongoing new efforts 2011
<b>2011</b>	

Cont. 5.1, 5.2, 5.4, 6.1, 6.2	5.4 Increased involvement from Office. 6.1, 6.2 Done
5.7 Office and ROOSs to participate in EMODnet Physics project.	EuroGOOS/SMHI has essential role in EMODnet Physics Project.
5.8 Chair and Director to participate in MyOcean meetings.	Done and continues. Chair is vice chair of MyOcean Advisory Committee.
6.4 Members and ROOSs to intensify dialogue with user groups to better respond to marine/maritime service requirements.	Initiated
6.5 Establish co-operation between EPWG and ICES' Working Group on Operational Oceanographic Products for Fisheries and Environment, WGOOFE. Director to promote joint EPWG-WGOOFE meeting 2012	Co-operation initiated. Office participates in WGOOFE. New ToR prepared for EPWG.
<b>2012</b>	
Cont. 5.1, 5.2, 5.7, 5.8, 6.1, 6.2, 6.4	
6.6 EuroGOOS/ICES member to host EPWG-WGOOFE meeting.	
7.1 Promote future capabilities of EuroGOOS EIG at European Commission and European Agencies.	
<b>2013</b>	
Cont. 5.1, 5.2, 5.7, 6.1, 6.2	
7.2 Promote EuroGOOS EIG as a responsible executor of pan-European tasks and services.	

### Priority 3

#### Improve the observing system for operational oceanography in Europe, and its contribution to global systems

The continued production of required marine knowledge and maritime services requires sustained observations of ocean variables. EuroGOOS has created and updated inventories of existing long term observations performed by European countries in EDIOS, the European Directory of Ocean observing Systems, which has strong links with SeaDataNet. User surveys in some countries have shown a need and preference for different ocean variables. New systems and technologies have been promoted to increase access to required data, such as Argo floats and Ferryboxes. Existing observations are not satisfying the needs, and spatial and temporal resolution is in general insufficient. Better co-ordination, improved or renewed technology, and systems that resolve time and space are needed to satisfy data demands and required services. EuroGOOS has substantial experience in assessing the needs for adequate monitoring networks for high seas and climate issues, and could therefore bring valuable input to meet the needs of the Marine Strategy Directive and the Maritime Policy, and also the data policy within EMODNET development.



**Goals:**

8. A fit for purpose, sustained, and integrated regional oceanographic observing systems operating in European marine waters.

<b>Actions</b>	
<b>2010</b>	
8.1 EuroGOOS Office hosts Ferrybox Annual Meeting	Done
8.2 Director participates as advisor in EuroSites and EuroArgo projects.	Done
8.3 Director and ROOSs support EEA GISC project.	Done and continues
8.4 Director to participate in ESA's Earth Science Advisory Committee	Done and continues
<b>2011</b>	
8.5 Revise and update EDIOS, with support of ROOSs, SeaDataNet and EMODnet Physics project.	Ongoing
8.6 Director/Office to try to find economic support for observing system studies.	Part of EMODnet PP. Part of proposed project GMES-PURE. Efforts will continue.
8.7 Initiate regional data requirement studies.	Part of GMES-PURE. New effort 2012
8.8 Science Advisory Working Group, SAWG, to initiate study on resolution requirements in observations for marine maritime services.	SAWG has difficulties to start working. New efforts 2012.
8.9 Technology Plan Working Group, TPWG, to initiate study on emerging technologies that satisfy observational requirements for marine maritime services.	Included in JERICO project
<b>2012</b>	
8.10 Plan EuroGOOS workshop(s) on science and technology for operational (in situ) observations.	

**Priority 4****Encourage links between member state national systems and setting up of downstream services**

National government agencies and institutes have the duty to produce public services for safety of people and property, safe and cost-efficient use of ocean resources, protection of the environment, and spatial planning. In many areas these are cross-boundary tasks that can benefit from good international co-operation. The initial argument behind the EuroGOOS regional task teams that became the ROOSs was cost-efficiency and sharing of workload. The concept of Core Services and Downstream Services is being implemented by the

ROOSs and gives good support to the development of multi-national downstream systems that also satisfy the needs of individual nations.

**Goals:**

9. Cost-efficient integrated regional systems for marine observations and core service provision, ROOSs.
10. Strong inter-institutional regional agreements on operations and development of Operational Oceanography.
11. Regional ROOS-offices, committed by members.

<b>Actions</b>	
<b>2010</b>	
9.1 Office to act as link between EuroGOOS and ROOSs.	Done and continues
9.2 Director participates in ROOS meetings	Done
9.3 Urge ROOSs to start preparing new plans, which are synchronised with EuroGOOS plan.	NOOS and BOOS have started.
10.1 Reinitiate establishment of Black Sea ROOS together with Black Sea GOOS.	Started.
<b>2011</b>	
cont. 9.1, 9.3, 10.1	10.1 Black Sea workshop planned in February 2012.
9.4 Office represented at ROOS meetings.	Done
9.5 Office to produce template for ROOS plan	Done
9.6 ROOSs to produce text for ROOS plans with support from Office.	BOOS, NOOS have started
9.7 Office to edit, print and publish ROOS plans.	Moved to 2012
10.2 Chair and/or Director to hold meeting with ROOS chairs to discuss link between EuroGOOS and ROOSs, and possible revision of ROOS agreements.	Director has met NOOS, BOOS and MOON (MONGOOS).
10.3 Draft new or revised ROOS agreements	Discussed with BOOS and NOOS
<b>2012</b>	
cont. 9.1, 9.4, 9.6, 9.7, 10.2, 10.3	
10.4 Chair and Director to assist member contacts in the signing process of EuroGOOS EIG and ROOSs Agreements.	13 members, 7 nations, have participated in meetings 2011.
11.1 Find volunteers to host ROOS Offices from 2013.	NOOS, BOOS secretariats established 2011. Arctic ROOS since earlier
<b>2013</b>	

cont. 9.1, 9.4	
11.2 Start ROOS Office activities.	

## Priority 5

### Contribute to the further development of GOOS, in particular by taking the lead in advancing Coastal GOOS

To build the Global Ocean Observing System in parallel with the Climate and Terrestrial systems is a Global international Commitment expressed in the Agenda 21 from the Summit in Rio 1992. UN/UNESCO/IOC panels have developed strategies and plans for the development of GOOS. GOOS is also regarded as the Ocean component of GEOSS. An original argument for the creation of EuroGOOS was to further the goals of GOOS and to co-ordinate the European national contributions to GOOS. Eight out of twenty EuroGOOS objectives are directly related to GOOS. EuroGOOS has in particular been active in supporting the development of GOOS Regional Alliances, the GOOS Regional Forum and the GOOS Regional Council in order to create a stronger mechanism for the development of a truly global system. EuroGOOS together with MedGOOS has taken the initial responsibility to co-ordinate the contributions from the Regional Alliances to Coastal GOOS.

#### Goals:

12. A responsible European contribution to the Global Ocean Observing System.

<b>Actions</b>	
<b>2010</b>	
12.1 Participate as observer in IOC EC.	Done, Chair and Director
12.2 Director participates in I-GOOS Board meetings.	Done
12.3 Director to have running contact with IOC Secretariat and GOOS Project office.	Done and continues
12.4 Director co-chairs GOOS Regional Council, GRC.	Ongoing
12.5 Office to issue first invitation to 5 <sup>th</sup> GOOS Regional Forum, GRF.	Done
12.6 Director participates in Euro-Argo and EuroSites projects.	Done
<b>2011</b>	
cont. 12.2, 12.3, 12.4, 12.6	12.2 Two meetings. IGOOS closed June -11. 12.4 Finished in October 12.6 Projects have finished.
12.7 Include GRF and GRC as side events in the 6 <sup>th</sup> EuroGOOS Conference.	Done
12.8 Negotiate and agree on economic support from IOC to GRF/GRC meeting.	Done

12.9 Chair and Director to participate in IOC Assembly	Done
12.10 Director to participate in I-GOOS X.	Done
<b>2012</b>	
cont. 12.1, 12.3	
12.11 Office to co-ordinate JCOMM IV actions	
<b>2013</b>	
cont. 12.3, 12.9	

## Priority 6

### Promote EuroGOOS at a high level for members' countries and European organisations.

Operational oceanography is developed both top-down and bottom-up. EuroGOOS has mainly chosen the bottom-up approach, building on members' needs and resources. Seen from the operational level the development of GOOS, GEOSS, GMES and other international initiatives are driven top-down. EuroGOOS as an organisation is also active in observer and expert functions in the top-down process, but the ability to influence that process lies at the Intergovernmental and Member State level. Operational oceanographic services require a long term reliable commitment of the States including the provision of adequate resources. To better communicate the strength of the EuroGOOS members, and to improve funding of activities leading towards the EuroGOOS objectives, we need to promote EuroGOOS at higher levels in both EU and Member States. For several years EuroGOOS has been successful at the European Commission level, but the Commission needs support from the Member States both in the internal process and in the Parliament to be successful on its part.

#### Goals:

13. At least one governmental, active EuroGOOS member in each coastal EU Member State to represent Member State in EuroGOOS, and to take responsibility to inform national delegates in relevant EU and international fora.
14. National co-ordination groups to promote national actions regarding operational oceanography in EU Member State groups and international organisations.
15. Direct EuroGOOS contacts with EEA, EMSA, ESA.
16. EuroGOOS is known among international and national stakeholders.

<b>Actions</b>	
<b>2010</b>	
13.1 Office informs members when national delegates need to be informed, and used.	Done and continues
14.1 Director discusses feasibility with member representatives.	Done with some members

15.1 Director participates in strategic EEA, EMSA and ESA activities. Current contacts with highest and working level EEA, working level EMSA, expert group ESA.	Done and continues
16.1 Director, Board, and members present EuroGOOS at all relevant events.	Done
16.2 Office up-date web page, including standard OH-slides.	Done
16.3 Director supports members at national events.	Done and continues on request
16.4 EuroGOOS session at European maritime day.	Special session and Board meeting at Maritime day in Gijon
<b>2011</b>	
cont. 13.1, 15.1, 16.1, 16.2, 16.3, 16.4	16.4 EuroGOOS Session at Maritime Day in Gdansk.
14.2 Urge members to find national solutions. Office to assist if required.	Ongoing
15.2 Inform European agencies about change of EuroGOOS constitution.	Ongoing
16.5 6 <sup>th</sup> EuroGOOS Conference in Sopot	Accomplished
<b>2012</b>	
cont. 13.1, 16.1, 16.2, 16.3, 16.4	16.4 EuroGOOS Session at Maritime Day in Göteborg planned.
14.3 Review inclusion of national co-ordination groups in EuroGOOS EIG governance.	
16.6 Decide on 7 <sup>th</sup> EuroGOOS Conference	
<b>2013</b>	
16.7 Appoint Scientific steering Committee and Organising Committee for 7 <sup>th</sup> EuroGOOS Conference.	

## Priority 7

### **Promote and foster the necessary research and technological developments for operational oceanography, and their implementation in operational systems.**

Operational oceanography has to be based on the underpinning science and technology. The first goal of EuroGOOS was to realise the benefits of fifty years of European investments in basic and strategic research in the marine environment by developing new or improved services for different maritime user sectors. At the same time as many problems are still unsolved, progress creates new requirements. Operational oceanography will thus have a continued need for new scientific knowledge and new technologies to satisfy existing and new users.

**Goals:**

17. To build European Operational Oceanography on best cost-efficient science and technology.

18. To promote funding of required science and technology development.

<b>Actions</b>	
<b>2010</b>	
17.1 Encourage SAWG and TPWG to meet and advise EuroGOOS on future development of operational oceanography.	Done but with disappointing result.
17.2 Director and chair participate actively in Marine Board events on future marine research.	Done
<b>2011</b>	
17.3 Continue co-operation with ESF Marine Board	Ongoing
17.4 Renew Terms of Reference for SAWG and TPWG and urge members to participate actively.	As preparation for Annual meeting.
<b>2012</b>	
Cont. 17.3	
17.5 Produce priority plans for science and technology development related to operational oceanography.	
17.6 Office to edit and publish SAWG and TPWG plans.	
18.1 Promote SAWG and TPWG plans at funding level.	
<b>2013</b>	
Cont. 17.3, 18.1	

**Priority 8****Work towards involving all European coastal states, through their operational oceanographic institutions, in EuroGOOS work.**

Since 1999 the EuroGOOS organisation is self-financed and as such independent of funding agencies and other organisations. Public bodies with national responsibilities for operational oceanography can subscribe as members of EuroGOOS. The number of members has increased from 22 at the inauguration to 36 at present and should be further increased as appropriate. The EuroGOOS role as a representative for European operational oceanography is successively getting stronger both at EU and global level. To allow for firmer actions in this role, all European coastal states and their institutions, which contribute to operational oceanography, need to be involved in the work.

**Goals:**

19. One active EuroGOOS member in each European coastal state.

20. All providers of operational oceanographic data and services in the European regions connected to the respective ROOS.

<b>Actions</b>	
<b>2010</b>	
19.1 Director to find means to keep members in Russia and Turkey.	Several actions, but no success
19.2 Director to promote EuroGOOS membership in Baltic and Black Sea region.	Done and continues
20.1 ROOSs continue to invite potential members.	Done
<b>2011</b>	
cont. 20.1	MSI, Estonia will apply
19.3 Director will focus on Black Sea countries by partly using EMODnet Physics project.	Workshop in February 2012.
20.2 ROOSs will use EMODnet Physics as a vehicle to get new members.	Workshop in Tallinn in May was successful
<b>2012</b>	
cont. 20.1, 20.2	
19.4 EuroGOOS to invite main institute in non-member countries to join EuroGOOS EIG.	
<b>2013</b>	
cont. 19.4, 20.1	