

SAWG 2015 Report

New EuroGOOS SAWG (Scientific Advisory Working Group) became effective from April 2014. During past year, the SAWG have carried out following activities:

1. Activate new SAWG
2. Develop EuroGOOS Scientific Strategy White Paper
3. Take concerted action for H2020 lobby effort

Activate new SAWG

It has taken quite some time for re-activating the group as it is a volunteer-based WG. The idea of the membership is that the SAWG should consist of at least one representative from each ROOS, and should cover as wide as possible the scientific excellence of EuroGOOS through involvement of high level experts. This leads to a long list of SAWG members which is necessary. During 2014/15, part of SAWG has actively involved in SAWG activities, such as co-writing the Scientific Strategy White Paper (see following section) and coordinated H2020 lobby effort

Develop Develop EuroGOOS Scientific Strategy White Paper

1. It was decided in EuroGOOS 2014 annual meeting that a version of the White Paper should be developed by reframing and improving the previous version (Pinardi and Johansson, 2013, hereafter referred as V0)
2. Ideas for reframing the V0 paper were presented in EuroGOOS Conference in Lisbon in Oct. 2014 (Jun She). The EuroGOOS research priorities were reframed in a user-driven, service-oriented research and summarized into following 4 knowledge areas:
 - a. Operational Marine Ecology
 - b. Coastal Operational Oceanography
 - c. Integrated and sustained European Ocean Observing System (EOOS)
 - d. Advanced ocean modeling framework
3. A extended abstract paper was submitted to Proceedings of EuroGOOS Conference 2014, to further explain the above ideas.
4. A new version of the White Paper (hereafter referred to V1) was developed and circulated for comments in March 2015, aiming at a submission of a peer reviewed paper of Ocean Science EuroGOOS Special Edition
5. The V1 paper has received constructive and comments from following SAWG members:

Name	Major expertise*	Affiliation
1. Jun She	SAWG Chair, Optimal Design of Observational Networks	DMI, DK
2. Emil Stanev	Coastal & Shelf Sea OO	HZG, DE
3. Erik Buch	EuroGOOS Chair, OO	EuroGOOS, BE

4. Icarus Allen	Operational Ecology	PML, UK
5. Jan H.Reissmann	BOOS, monitoring and observations	BSG, DE
6. John Siddon	NOOS, Ecological modeling	UK Met Office, UK
7. Johnny A. Johannessen	SAWG Ex-Co-Chair, satellite OO	NERSC, NO
8. Pierre Brasseur	Data assimilation, OSSE	CNRS, FR
9. Pierre Yves Latron	Copernicus Marine Service	MERCATOR Ocean, FR

*Major expertise is just indicative

The inputs and comments can be summarised as follows:

- Goal: the paper should focus more on visionary side rather than implementation
- Content:
 - a) V1 paper should cover as much as possible the contents already mentioned in V0
 - b) The order of priority: EOOS should be given higher priority than other knowledge areas as it is the basis of the others
 - c) Coastal Operational Oceanography: describing a vision of future European Coastal Service in terms of a few non-existing services (Copernicus Coastal Marine Service, Copernicus Coastal Climate Service, European Integrated Coastal Service) makes confusing. Should focus more on research priority side
 - d) Timeline: suggest to have goals in short-/mid-term (3 years) and long-term goals (5-10 years), and to have some measurements for implementation
 - e) Relation with Copernicus Marine Service (CMS): most of the research priorities in CMS should be part of EuroGOOS research priorities

Coordinated lobby activity in H2020

In March 2015, SAWG coordinated an action of making recommendations to the Horizon 2020 Working Program 2016/2017. Major idea to suggest that “BG-2: Integrated Arctic Observation System” (original text) should be changed to “BG-2: Integrated Arctic Ocean Observation System”. The call text should also be changed accordingly. This recommendation was sent by Denmark (DMI), Norway (NERSC), Ireland (MI), UK (Met. Office) and France (MERCATOR Ocean).

SAWG Plan for 2015/16:

- The V1 paper will go through a major revision to include above comments
- The new version of the White Paper (V2) should be produced and submitted to the Ocean Science Special Edition before the end of June, as a SAWG contribution
- The V2 paper will be extended to form a EuroGOOS report on the Scientific Strategy. This will make it possible to include wider and more detailed description of research priorities.