

**Minutes of the
NOOS Annual Meeting
15/16/17 September 2014
Deltares premises in Delft
the Netherlands**





Document history

version	date	author		approved	
0	23 Sep 2014	C.Gautier		M.Philippart	
1	30 Sep 2014	C.Gautier		Henning Wehde	

participant	institute	annual meeting	business meeting	steering group meeting
Stephan Dick	BSH - Germany	p	x	x
Kai Herklotz	BSH - Germany	p	x	
Kai-Christian Soetje	BSH - Germany	p	x	
Kate Collingridge	CEFAS -UK	x	x	
Anouk Blauw	Deltares - Netherlands	p	x	
Caroline Gautier	Deltares - Netherlands	x	x	
Martin Verlaan	Deltares - Netherlands	p	x	
Kees van Ruiten	Deltares - Netherlands	p		
Nicky Villars	Deltares - Netherlands	p	x	
Annette Zijdeveld	Deltares - Netherlands	p		
Niels Holt	FCOO - Denmark	x	x	
Jacob Nielsen	DMI – Denmark	x	x	
Patrick Gorringer	Eurogoos	x		
Erik Buch	Eurogoos	x		
Johan Söderkvist	FCOO – Denmark	x	x	
Annick van Laere	MDK - Belgium	p	x	
Johannes Schulz-Stellenfleth	HZG - Germany	x	x	
Wilhelm Petersen	HZG - Germany	x		
Lucia Pineau-Guillou	IFREMER - France	x	x	
Henning Wehde	IMR - Norway	x	x	x
Jitze van der Meulen	KNMI - Netherlands	p		
Tomasz Dabrowski	Marine Institute - Ireland	x	x	
John Siddorn	Met Office - UK	x	x	x
Bruce Hackett	MET Norway - Norway	x	x	x
Kain Sorensen	NIVA - Norway	x	x	
Sebastien Legrand	RBINS/O.D. Nature - Belgium	x	x	x
Marc Philippart	Rijkswaterstaat -Netherlands	x	x	
Thomas Hammarklint	SMHI - Sweden	x	x	

Monday 15 Sep

13:00 Opening

Welcome by Marc Philippart on behalf of the organizing committee (Rijkswaterstaat and Deltares), followed by a welcomespeech by Tom Schilperoort (Deltares) in which he commended the collaboration in NOOS and the teamwork of Rijkswaterstaat and Deltares. Further he asked for more attention to waterquality in NOOS and EuroGOOS. After his speech he handed over the Deltares' signed agreements to EuroGOOS chair Eric Buch.

13:15 Eric Buch about EuroGOOS

Eric tells the objectives, the structure (with working groups and task teams) and the developments of EuroGOOS. The position of Secretary General is open since Kostas Nittis died last summer. EuroGOOS chair takes now responsibility for SG task (working chair), until a new SG takes office.

Concerning Copernicus, EuroGOOS actively participated in the ECOMF preparations EuroGOOS MoU with EEA. The new situation is that MERCATOR Oceans entrusted the task to coordinate the Marine Service. The contract between EU and MERCATOR Ocean is expected in early October 2014. Thereafter open tender for the individual Tac's and Forecasting centres. EuroGOOS expects to play a role: in-situ data, uptake, science.

There is the idea to develop an integrated "European Ocean Observing System – EOOS".

Please positively consider to nominate experts to the various working groups and Task Teams. It is a good way for cross-fertilization with other EuroGOOS members/activities. EuroGOOS will welcome members who are active in the ROOSes but haven't yet joined EuroGOOS. EuroGOOS has a new web page, so we'll be asking material and information – Please be helpful on this.

October 28 – 30 is the EuroGOOS conference in Lisbon.

14:00 Patrick Gorringer about EMODnet

EMODnet is a network of +120 organizations assembling marine data, data products and metadata from diverse sources within Europe in a uniform way. The aim is to unlock fragmented/hidden marine data. It was initiated by the European Commission in response to the EU GP on Future Maritime Policy, launched in June 2006 – now core part of Marine Knowledge 2020 initiative. There are seven EMODnet thematic portals, of which EMODnet-physics is one (led by Antonio Novellino). EMODnet Physics objective is to provide a single point of access to marine near real time and achieved data on physical conditions as monitored by fixed Stations, Ferrybox, (Euro) Argo, Gliders, HF Radars. 50% of EMODnet Physics funding to support ROOS activities. For NOOS this lead to budge, shared by BSH, HZG and Deltares to optimize data flows.

Within EMODnet-physics a EuroGOOS HF-radar task team is initiated with many people interested, and a one day meeting during the EuroGOOS conference.

14:30 Marc Philippart/Caroline Gautier about EMODnet-physics budget impulse for BSH, HZG, Deltares

There are many different projects, programs and initiatives for providing and presenting the same data. The data flows should be revealed and improved to make it easier for the user to find and receive relevant data. Furthermore, additional data (locations, parameters and metadata) should

be included to the NOOS data flow. Caroline presents the progress concerning new wave locations within the NOOS export (Denmark, Sweden, Norway).

14:40 – 15:10 New developments

Wilhelm Petersen (HZG) about the status of Coastal Observatory COSYNA & ongoing ferry box activities, a call is made for the re-activation of the ferrybox at the traject Beverwijk-Esbjerg-Bergen, once supported bij Rijkswaterstaat.

ACTION Marc: look at status RWS and try to revive the running of the Ferrybox on this traject..

Anouk Blauw (Deltares) about the inventory of high-frequency observations in the NOOS region.

Kate may have additional information for this inventory

15:10 – 18:00 National reports (see the national reports on the website)

- Marine Institute (Ireland) by Thomasz Dabrowski.

- CEFAS (UK) by Kate Collingridge

- MetOffice (UK) by John Siddorn

- Ifremer (France) by Lucia Pineau

- OD Nature (Belgium) by Sebastien Legrand.

- Deltares (the Netherlands) by Martin Verlaan: Martin gives a brief demonstration of FEWS-NorthSea, the operational forecast system for the operational forecasting service of Rijkswaterstaat and KNMI..

Sebastien asks if the BMA (Model Average) could be made for more stations. Sebastien and Jacob and Marc would like to revive the BMA.

ACTION Marc: Collect the wishes for the BMA and adjust the BMA to them.

- Agency for Maritime and Coastal Services - MDK; Coastal Division (Belgium) by Annick van Laere

- Rijkswaterstaat (the Netherlands) by Marc Philippart

- HZG (Germany) by Wilhelm Petersen and Johannes Schulz

Tuesday 16 Sep

9:00 – 11:30 National reports continued

- BSH (Germany) by Kai Herklotz

- BSH (Germany) by Stephan Dick

ACTION Deltares: extend transect output with 1hr timeseries (besides the 2-tidal mean flow).

- DMI (Denmark) by Jacob Nielsen

- FCOO (Denmark) by Niels Holt

- SMHI (Sweden) by Thomas Hammarklimt
- MetNo (Norway) by Bruce Hackett
- NIVA (Norway) by Kai Sorensen
- IMR (Norway) by Henning Wehde

11:30 – 12:00 Review of services and projects

NOOS-portal by Kai Soetje

Kai mentions the available data sets (circa 260 moorings, and more!), and the originator of the data. There is 'global data' from Ifremer, SMHI, NIVA and HZG and those NetCDF files go directly via RC_NWS ftp box to the NWS portal. But there is also ASCII-data from more institutes and via a realtime data system (Data base/Meta data/Quality control/export) BSH adds it to the RC_NWS ftp box and the NWS portal. The meta data should be improved, it must be made clear where the data comes from. There is a test version for historical data.

In the discussion is mentioned that MyOcean is ('just') a project, the NOOS portal is more sustainable. MyOcean data is often one day late, so no real time.

Website by Kai Soetje

The current designs of the NOOS- and BOOS-homepage are 4 and 5 years old. According to the BOOS AM, there is a need for a new design to look similar to the EuroGOOS-website. The EuroGOOS website is made by BlueLobster. Kai presents some possibilities and thoughts about the NOOS website developments which is set up in a rather old version but convenient Typo3 (content management system), and hosted by DMI. The questions are: Is NOOS interested in a new design? Should it be like EuroGOOS (the layout)? Who will pay the copy of the BlueLobster's templates? (EuroGOOS?) Who will do the first content? (BSH could do it – at home). Who will host the new NOOS-homepage? Send in ideas for the site, what can be added and what can be left out.

To be continued in the business meeting.

12:00 lunch, followed by tour along Deltares experimental facilities

14:00 - 15:00 Review of services and projects

NOOS project: Transports by Stephan Dick

New issues: There is no password required for plotting time series. Uncertainty estimates and model intercomparison is done within MyOcean2 (Scientific Reports, Validation Reports and Quality Information Documents (QUID)). There is new additional output (transect 0, tw-files), and the presentation of surface data.

More partners may add their transport model results.

NOOS project: Multi Model Ensembles by Stephan Dick

There are 9 institutes who provide their model results (48 hours forecast, hourly values; SST, SSS, SSC, Water transports) and at BSH the MME is produced, including uncertainty estimates. Daily figures are available on NOOS and BOOS website

(<http://www.noos.cc/index.php?id=mme>) and the NetCDF files are on the BSH FTP server.

The outlook is to include more parameters: i.e. sea ice cover. Also to focus on bottom fields (salinity, temperature), to use observational data for validation purpose and to implement weighting methods to develop more complex measures.

NOOS project: Drift by Sebastien Legrand

Sebastien presented the status of the NOOS working group on drift. Apart from oil drift, he presents also some results concerning jelly fish, microplastics, guillemot and a drifted wave buoy (Dec 2013/ Jan 2014). Marc mentioned an idea of collecting track-data from drifted wave-buoys and share these cases on the website for cross checking each others drift calculations.

NOOS project: River runoff by Bruce Hackett

Bruce presented the status of the rivers project, including the latest development with E-Hype (developed and run by SMHI) but models do not capture the human interventions. John says that he expects permission from EA for the UK discharges.

15:00 – 16:00 NOOS approach to Copernicus marine service by John Siddorn

There is a new EU multi-year financial framework (2014-2020): Horizon2020 is for research, the Copernicus program for earth monitoring observations and services (operational phase). For Marine, Atmosphere and Climate services there is a call for expression of interest. For Marine services it is proposed to ensure continuity with the MyOcean implementation. Institutes can openly bid to contribute to the implementation tasks.

John Siddorn would like to lead a bit on modeling.
Kai Soetje says that BSH would like to lead a bit for Insitu.

John asks what NOOS would like to be in the tender. Stephan mentions the MME. Henning wishes a stronger link between in situ and Marine Forecast Centers. Bruce emphasizes that MyOcean should be the basis since they want a seamless transition to Copernicus.

16:20 – 17:00 Additional presentations

Johan Soderkvist about a web based validation tool kit and its application on changed sea level offset

Thomas Hammarklint about Sealevel activities
He asks how to harmonize the vertical reference datum in the North Sea. North Sea Hydrographic Commission (NSHC) is working on it.

Marc Philippart about Hotlines
Marc asks if there is interest to exchange telephone numbers of the operational forecast centers to be able to contact them when needed. John suggest that the forecasters make contact first before they call each other in an emergency situation.

ACTION Marc: Let the operators get to know each other and exchange telephone numbers so that they can contact and help each other when needed.

Wednesday 17 Sep 2014: Business Meeting

1. Welcome, introduction

Henning Wehde opens the business meeting at 9:00.

2. Adaption of Agenda

The agenda is adopted.

3. Appointment of rapporteur

Caroline Gautier is rapporteur.

4A. Minutes of previous meeting

Minutes of the previous meeting are approved.

4B. Status of actions (*present status in italic*)

1. ALL: check the consistency and the availability of the national data in NOOS portal
This action is not closed and should be redone on basis of JERICO's inventory (about 900 stations are listed for the NWS). This work should also focus on delay data.

ACTION: This is an ongoing action for all.

Henning Wehde will start a contact list stating who is managing the different data sets collated in the NOOS data portal, to be made available on NOOS website. *Still to be done, will follow from Deltares' and BSH's Emodnet-physics project.*

2. Sealevel from UKMO on NOOS synoptic website. The data are well available even if not presented on the NOOS website. Jacob need to recode some part of the website. *Done*

3. NOOS member report on noos.cc. *Done*

ACTION: All must make sure that the member reports for 2013 and 2014 are uploaded on NOOS website

- 4 Common possibilities for funding, and good ideas what to spend it on

ACTION: This is an ongoing action for all.

5. NOOS memberships

Henning Wehde: Henning will check with ACRI-ST their interest to remain a NOOS partner. *Still unsolved, many changes in contact persons.*

Henning will take some contact with BODC. *Lesley said that they are happy to join NOOS, but could not come.*

IFREMER: Lucia is in charge to reorganise the memberships of the SHOM, Meteo-France and CETMEF. *Lucia found a new contact person at SHOM (Fabien Leckler instead of Jean-François Philippot), which she will tell Sebastien to be added on the mailing list. CETMEF was interested to join, but could not come. Concerning Meteo-France, Lucia will ask the successor of Joel Hoffman for their interest in NOOS. Meteo-France is no member from EuroGOOS.*

ACTION Lucia: Check Meteo-France

ACTION Henning: Contact passive NOOS members to check their interest in NOOS and ask if they want to be on the NOOS mailing list.

6. Jacob to be the NOOS representative at the EuroGOOS board meeting October 2013. *Done*

7. Henning will develop his vision to define our role and growth NOOS visibility. This year is very important because within 1 year the European landscape in OO will completely change with Copernicus MC (not sure that ECOMF will have the bid). *Unsolved, to be done later, after the Copernicus developments are clear.*

ACTION Henning: Develop vision to define our role and enlarge NOOS visibility.

8. John Siddorn is eager to revitalise his action to write a document describing his wishes for the working group on validation metrics and let circulate it to identify interested people. *To be done.*

ACTION John: Initiate working group validation.

9. Bathymetry: report differences between Emodnet bathymetry and old NOOS bathymetry. John should provide the Emodnet bathymetry to NOOS members. *John is still waiting for the response of Emodnet about the proper version which should have been finished in June 2014.*

ACTION: Henning will ask Patrick to make the Emodnet bathymetry available.

10. MME: Stephan Dick/Frank Janssen (BSH) write a NOOS Project Fact Sheet. *Done, it is on the website.*

ACTION ALL: Check if contacts and members are correct.

11. All check if 2D spectral data can be made available to NOOS -> report to Caroline Gautier. *Not done, but Caroline suggests to have first the observed wave parameter time series right, and next add the 2d spectra if possible.*

12. Caroline Gautier should create an inventory of the available wave moorings and parameters. *Partly done, still to be completed.*

ACTION Caroline: create wave inventory of available data.

13. Jacob Nielsen will share his experience with JCOMM data. *Done, there is a link to JCOMM on the NOOS website. Jacob has a copy in which format and on which dates the model results should be provided so that Jean Bidlot (ECMWF) can include the modeled Hs and wind speed in the validation, resulting in monthly reports. Interested institutes should contact Jacob or Jean Bidlot if they want their model to be included.*

14. Stephan Dick will contact Barbara Berx from Marine Scotland Science as she could have good idea to validate the transports (this is the subject of her PhD thesis). *Stephan just received her paper, he is in contact with her.*

15. Henning will contact David Mills (who is excused). A decision on the future of EMECO as a NOOS project will be taken next year. *David told Henning that he would love to continue EMECO as a NOOS project. More about this later. Stephan mentions that we should have no empty projects on the NOOS website (EMECO is not on the website according to Henning). Nicky says that on one hand she encourages water quality and ecology in NOOS, on the other hand there is not much going on in EMECO. Bruce says that nothing seems to have happened, the last 4 years. Nicky, Bruce and Sebastien are the only one who ever 'signed up' for the project.*

ACTION Henning: Ask Dave Mills to set up a plan to activate EMECO.

16. Henning Wehde will be the contact person for this Emodnet-physics budget and he will liaise with potentially interested institutes. The formal proposal will be shaped the Futoore meeting, early October 2013. *Done*

5. Chairman report

5.1. Membership

Status: 19 members and 5 associated partners; 16 out of them were present these days (16 in 2013, 12 in 2012, 14 in 2011, 13 in 2010, 18 in 2009). The members/partners are:

France: ACRI ST, IFREMER, Meteo France, Shom

Germany: BSH, HZG, Uni Oldenburg

UK: CEFAS, Metoffice, Nerc

Netherlands: Deltares, KNMI, RWS

Denmark: FCOO, DMI

Belgium: MDK, OD Nature
Norway: MetNo, IMR, NERSC, NIVA
Ireland: MI
Sweden: SMHI

Interest from BODC, Marlab, CETMEF and some from Iceland

ACTION Henning: Ask the NOOS members to sign the EuroGOOS agreement

5.2. Steering group activities: 2 meetings

- 13th of September 2013 in Brussels:

Review of the actions for the SG; EuroGOOS-NOOS connection*; EMODnet physics;
Upcoming possibilities; Next meeting

*)The EuroGOOS board-NOOS connection is through Harm Oterdoom (Rijkswaterstaat) which is in the EuroGOOS board and represents also NOOS. Henning was asked as a board member, but this was not possible because of Norway already being represented. Bruce asks about these EuroGOOS board meetings and Henning explains that you are not allowed to vote if you are no board member, but it is still valuable as one can come with ideas, and the atmosphere is open.

- Meeting 21st of May 2014:

Review of actions; Annual member report; Website; Consistency of national data in NOOS portal; Modelling; Validation metrics; MME; Transport validation; Bathymetry; Membership; EMECO; Upcoming possibilities; Products and services; Annual meeting

5.3. Chair activities 2013/2014

- 1.-2. 10. EuroGOOS Board meeting. Jacob was attending
- 2.-4. 10. MONGOOS meeting
- 8.-10.10. FUTOORE meeting
- 28-30.10. Pure meeting
- 18.-22.11. EuroGOOS AM, DG Mare
- 16.-17.12. Arctic ROOS meeting
- 2.-4.2. Board meeting EuroGOOS
- 21.-23.5. Annual meeting EuroGOOS

Contributed to DataMeq discussion; Product working Group EuroGOOS; EModNet Discussions; EuroGOOS Strategy; Mare Area Checkpoint Call for tender Atlantic/Arctic area; Preparing EuroGOOS Conference

Lucia asks about IBIROOS. Henning answers that he could not make it, but it is good to keep that connection.

6. Decision on NOOS-services, projects and new projects/initiatives

- EMECO: Henning will ask Dave for a concrete plan

- River Project: Bruce wants to bring it to the next phase, asking for new ideas.

ACTION Bruce: Send an email to all for ideas on the River project.

- In Situ, Stephan: ok

- Transports, Stephan: Use hourly data

- Jacob: ok

- Drift modeling, Sebastien. The group meets every 3 years, so next in 2016, and they would like to participate in Horizon2020.

- John asks if there is interest in a group for validation of ocean models; surge and waves, but John would rather not lead. First meeting might be during a EuroGOOS meeting in 6 months from now.

ACTION John: Send an email to all asking who is interested to join this validation group.

7. Decision on progress NOOS-activities (partners, website, services, projects)

ACTION Henning and Lucia: Ask passive partners for their future plans regarding NOOS.

The NOOS website could need some improvements. One of the possibilities is to ask Blue Lobster, the company that made the EuroGOOS website. But Hennings wants to prevent that NOOS has to pay for that. Also BOOS is thinking of changing their website. It is decided that a 'new' group (Niels Holt, Kai Soetje (who will retire in 15 months) and Jacob Nielsen) will sort out what the possibilities, requirements, ideas and wishes are and they may decide for NOOS what to do with the website, including hosting. The 'old' website group has taken no action so far, but can be included in the new group (Kate).

ACTION Jacob, Niels, Kai: form the new website group

ACTION all: Who is willing to follow up Kai Soetje in the website group as he retires in 15 months.

ACTION all: Check already what can be improved on the present website, like dead ends, empty links, Seprise, etc.

8. ESurfmar by Kai Herklotz

ESurfmar is the EUMETNETSurface Marine Program aiming for all data (waves, currents, sea surface temperature, ...) on the GTS. (EUMETNET=The network of European Meteorological Services). Many members from NOOS are also in ESurfmar. Should there be more connection and co-operation between ESurfmar and NOOS? Everyone seems to be somewhat reluctant.

ACTION John: Invite ESurfmar (Pierre?) for the next annual meeting.

9. Collaboration with the other ROOSs and EuroGOOS

Henning will continue to visit other ROOSes and EuroGOOS board meetings. NOOS should get more people in the EuroGOOS working groups. Henning asked John to make plans for the modelling group in EuroGOOS. Martin Verlaan asks (referring to the presentation of Erik Buch last monday) if joining those workgroups is on behalf of NOOS or just personally? The main thoughts about this is that it is mainly personal. Stephan suggests to mention in the NOOS Annual Meeting what is new in the EuroGOOS working groups.

ACTION Henning before October 2014: Distribute EuroGOOS working groups including the names who are in there to all NOOS members and invite all to volunteer to join EuroGOOS working groups.

10. Review status of signatories to NOOS MoU, identify any candidate additional partners

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11. Elections or reappointments of Steering Group Members

Steering group consists of: Henning Wehde chair (since 2011); Bruce Hackett (2010), Sebastien Legrand (2010); Stephan Dick (2012), Niels Holt (2012), John Siddorn (2013).

Sebastien Legrand and Bruce Hacketts terms end, Niels Holt would like to step down because of changed geographical focus. Jon Rees proposed as new SG member

Sebastien Lagrange is re-elected and will continue.

Bruce Hackett is re-elected and will continue but he is willing to step down if Lucia Pineau will take over after consulting with Ifremer.

Jon Rees is elected.

Niels Holt quits.

ACTION Lucia: Consult Ifremer whether she will join the steering group.

12. Format, place and date for the NOOS Annual Meeting 2015

The next meeting will be at the Metoffice, Exeter (UK), 26 – 29 October 2015. Ideas can be sent to Henning. Possibly, a workshop of the 'validation group' will be held straight afterwards.

13. Date and venue for next Steering Group & Projects meeting

The steering group will meet at the next EuroGOOS meeting.

14 AOB

Met Office (John Siddorn) will lead the call for tenders concerning Copernicus – Modelling
BSH will lead the call for tenders concerning Copernicus – In Situ

There are no objections to put all presentations on the website, so that will be done.

ACTION ALL (before October 2014): Send your presentation (pdf) to Henning

ACTION Henning: Arrange that all presentations will be on the website.

ACTIONS

- ALL: Check the consistency and the availability of the national data in NOOS portal*
ALL: Make sure that the member reports for 2013 and 2014 are uploaded on NOOS website
ALL: Common possibilities for funding, and good ideas what to spend it on
ALL: Check if contacts and members are correct in MME project fact sheet on website.
ALL: Check already what can be improved on the present website, like dead ends, empty links, Seprise, etc.
ALL: Who is willing to follow up Kai Soetje in the website group as he retires in 15 months.
ALL before October 2014: Send your presentation (pdf) to Henning
- Marc: Collect the wishes for the BMA and adjust the BMA to them.*
Marc: Let the operators get to know each other and exchange telephone numbers so that they can contact and help each other when needed.
Marc: Try to revive the running of the Ferrybox Beverwijk-Esbjerg-Bergen.
- Henning: Contact passive NOOS members to check their interest in NOOS and ask if they want to be on the NOOS mailing list.*
Henning: Arrange that all presentations will be on the website.
Henning: before October 2014: Distribute EuroGOOS working groups including the names who are in there to all NOOS members and invite all to volunteer to join EuroGOOS working groups.
Henning: Develop vision to define our role and enlarge NOOS visibility (after Copernicus is more clear).
Henning: Ask Patrick to make the Emodnet bathymetry available.
Henning: Ask Dave Mills to set up a plan to activate EMECO.
Henning: Ask the NOOS members to sign the EuroGOOS agreement
- Caroline: Create wave inventory of available data.*
Deltares: Extend transect output with 1hr timeseries (besides the 2-tidal mean flow).
- Jacob: Form the new website group*
Niels: Form the new website group
Kai: Form the new website group
- John: Initiate working group validation.*
John: Invite ESurfmar (Pierre?) for the next annual meeting.
John: Send an email to all asking who is interested to join this validation group.
- Lucia: Check Meteo-France for their interest in NOOS and if they want to be on the NOOS mailing list*
Lucia: Consult Ifremer whether she will join the steering group.

