

**Minutes of the
NOOS Business review 2018**



**19-21 November 2018,
RBINS, Brussels, Belgium**

Contents

Contents	2
Technical meeting 2018 (19-20 Nov 2018)	3
Business Review Meeting 2018 (21 Nov 2018)	3
1. Agenda	3
2. Rapporteur	4
3. Minutes of previous Meetings and status of actions	4
4. NOOS Chairman Report	9
4.1. Chair activities	9
4.2. NOOS members	9
5. Decision on NOOS project, working groups and initiatives	10
5.1. Program	10
5.2. Collaboration with EuroGOOS ROOSes, WGs and TTs	10
5.3. New NOOS activities	11
6. Review of the signatories to the NOOS MoU	12
7. Elections	12
8. Next meetings	13
9. AOB	13
10. New action points 2018	14

Technical meeting 2018 (19-20 Nov 2018)

Chair: Sébastien Legrand (RBINS, NOOS co-chair)

Present:

Christine Pequignet and John Siddorn (met office), Kate Collingridge (CEFAS), Johannes Schulz-Stellenfleth (HGZ), Marc Philippart, and Theo van Dam(RWS), Martin Verlaan (Deltares), Niels Holt and Bjarne Büchmann(FCOO), Glenn Nolan (EuroGOOS), Jacob Nielsen and Jens Murawsky (DMI), Stephan Dick, Susanne Tam and Kai Herklotz (BSH), Kieran Lyons (MI), Hans Poppe(MDK), Henning Wehde (IMR), Sébastien Legrand and Paloma de la Vallée (RBINS/OD Nature).

Excused: Jon Rees (CEFAS), Johan Söderkvist (FCOO), Oyvind Saetra (MET Norway), Caroline Gautier (Deltares), Patrick Gorringer (SMHI)

The agenda and the meeting documents are available on NOOS website :

<http://noos.eurogoos.eu/documents/annual-meetings/annual-meeting-2018-brussels/>

Business Review Meeting 2018 (21 Nov 2018)

Chair: Henning Wehde (IMR, NOOS co-chair)

Rapporteur: Paloma de la Vallée (RBINS)

Present at the Business Meeting:

Christine Pequignet and John Siddorn (met office), Johannes Schulz-Stellenfleth (HGZ), Marc Philippart and Theo van Dam(RWS), Martin Verlaan (Deltares), Niels Holt (FCOO), Glenn Nolan (EuroGOOS), Jacob Nielsen (DMI), Stephan Dick and Kai Herklotz (BSH), Kieran Lyons (MI), Hans Poppe(MDK), Henning Wehde (IMR), Sébastien Legrand and Paloma de la Vallée (RBINS/OD Nature).

Excused: Kate Collingridge* and Jon Rees (CEFAS), Susanne Tam* (BSH), Jens Murawsky* (DMI), Bjarne Büchmann* and Johan Söderkvist (FCOO), Oyvind Saetra (MET Norway), Caroline Gautier (Deltares), Patrick Gorringer (SMHI)

* : present at the technical meeting.

1. Agenda

The following agenda was accepted:

1. Welcome & introduction
2. Adoption of Agenda
3. Appointment of rapporteur
4. Minutes of previous Meetings; Status of actions
5. NOOS Chairman report
6. Discussion and decision on NOOS-services, projects and new projects/initiatives
7. Decision on progress NOOS-activities (partners, web-site, services, projects)

8. Collaboration with the other ROOSs and EuroGOOS
9. Review status of signatories to NOOS MoU, identify any candidate additional partners.
10. Elections or reappointments of Steering Group Members.
11. Format, place and date for the NOOS Annual Meeting 2019.
12. Date and venue for next Steering Group & Projects meeting
13. AOB

2. Rapporteur

Paloma de la Vallée was appointed rapporteur.

3. Minutes of previous Meetings and status of actions

The minutes of the NOOS business meeting 2017 were approved and the progress of the actions listed at this meeting was reviewed.

2017.01	<p>To send a formal letter asking EuroGOOS to disseminate the observations requirements identified for the workshop to appropriate parties, including EOOS and EMODNET.</p> <p>Glenn Nolan reply: “We will use all avenues available to raise these important issues.” Update: EuroGOOS waits for the outcome of the CMEMS in-situ requirement workshop - Glenn will circulate largely the policy brief within the boards.</p>	John Siddorn and Co-Chairs	ASAP	Done -> closed
2017.02	<p>To organise a web-conference in order to decide the best way to get feedbacks on the fitness-for-purpose of the CMEMS products for MSFD assessments and to start an inter-comparison of the different approaches, methodologies and tools used through the NOOS members in their respective MSFD assessments. The creation of a temporary working group could also be discussed.</p> <p>Update: The web-conference did not happen, because the call did not raise much interest. Sébastien checked with Jo Foden (OSPAR deputy secretary) what their level of interest is. John Siddorn knows Eva Garnacho is developing an assessment tool, although feedback on the use of CMEMS products in it is still needed. AP -> Co-chair to invite CEFAS to present their work on MSFD.</p>	E. Garnacho, J. Siddorn and S. Legrand	First half 2018	Open
2017.03	<p>To collate the expectations of the different NOOS members on the ideal relationship that NOOS should keep with CMEMS. These expectations should be synthesized in the NOOS strategy document</p> <p>Update: No progress on this, there remains a certain level of uncertainty for after 2021. A possibility is to re-utilize the strategy as is. AP left open.</p>	Steering Group	First half 2018	Open
2017.04	<p>To facilitate the engagement of the NOOS community in the CMEMS activities for User Uptake, Training and R&D. This should at least be done by advertising call for tenders and projects.</p> <p>Update: There is agreement that the current organisation of CMEMS is such that the number of projects is limited. Ideally, a reorganisation should take place, which would allow launching more projects. John Siddorn stresses that there is no scope to change the organisation to this aim. Henning Wehde suggests to keep this issue in mind should a future reorganisation take place. (AP closed for 2017-2018)</p>	John Siddorn	Continuous task	Done -> closed
2017.05	<p>To report to the CMEMS Science Advisory Committee that the numerous limitations associated to the current tender framework (administrative burden, strong IPR rules, limitation to 150.000€ on 18 month, obligation to maintain the activities well after the end of the contract, obligation to support the cost of translation of several documents from English to French by a sworn interpreter...) do prevent or strongly discourage ROOSes to submit tenders for the User Uptake, Training and R&D calls.</p>	Glenn Nolan	January 2018	Open

	<p>Update: Glenn raised the subject in January to little avail, he will try again. He feels there might be more interest for a reorganisation should fewer projects be submitted to the calls, but there are no plans to review the call process at present.</p> <p>The discussion highlights the lack in transparency in the selection procedure of the user uptakes. Some strategic aspects play a role, as well as sheer luck.</p> <p>NB : Deltares has chosen to answer these calls, deterred by the administrative burden and little chance of success.</p>			
2017.06	<p>To incorporate in the survey the suggestions made by the assembly, including a new section on the relation between NOOS and CMEMS</p> <p>Update : No progress</p>	Sebastien Legrand	January 2018	Open
2017.07	<p>To send the survey to all members</p> <p>Update: No progress (dependency to 2017.06)</p>	Sebastien Legrand	February 2018	Open
2017.08	<p>To analyse survey results and draft main lines of the new NOOS strategy document</p> <p>Update: No progress (dependency to 2017.06)</p>	Steering group	May 2018	Open
2017.09	<p>To write the new NOOS strategy document</p> <p>Update: No progress</p>	Steering group	Before summer break 2018	Open
2017.10	<p>To write the ToRs of the working group according to the new EuroGOOS template, including the list of participants, objectives, tasks and indicative Gantt chart</p> <p>Update: 3 out of 7 projects / WGs did the job. There is a feeling that the <i>wording</i> of the EuroGOOS template should be reviewed to be better adapted to the working group ToR if less to EuroGOOS itself.</p> <p>AP - remind the leaders to fill the template</p>	Each NOOS WG and project leader	Before summer break 2018	Open
2017.11	<p>To circulate the exact coordinates of the new list of stations used in the BMA. This list should also include Fino1 and 3</p>	Marc Philippart	Before summer break 2018	Open
2017.12	<p>To study the feasibility of an alarm service in case of extreme high and low level forecast</p>	Marc Philippart	Before annual meeting 2018	Open
2017.13	<p>In order to attract interest of MI, to develop a demonstration case with a station at risk of flooding for which there is no tide gauge (e.g. Cork)</p>	Marc Philippart	Before annual meeting 2018	Open
2017.14	<p>To redistribute all the BMA forecasts via a ftp site</p> <p>Update on actions 2017.11 - 2017.14:</p> <p>There is not much progress on this; the new target is set in 2019. The technical part is almost finished; contacts with the members will be taken in 2 stages.</p> <p>1st round : request for requirements</p> <p>2nd round : gathering of info/data</p>	Marc Philippart	Before annual meeting 2018	Open

	Henning Wehde: Some strategic thinking should be performed here to improve the working of the NOOS group. Some prioritising might be necessary.			
2017.15	UK met office should implement a ftp box to exchange sea level observations Update: This is technically ready. Some test cases remain to be made. The ftp box should be circulated between forecasters.	John Siddorn Marc Philippart	ASAP	Open
2017.16	To develop a synoptic map with sea surface anomaly (surge) Update: This is technically ready. Jacob is not fully comfortable with this AP, in particular about the way to display missing data. The question marks may be little informative, maybe a colour code would be more adapted. In any case, some extra information should be available on the page.	Jacob Nielsen	Annual meeting 2018	Open
2017.17	In case of missing observations, to study the feasibility of display BMA forecast on the synoptic maps (both for sea level and sea level anomaly maps)	Jacob Nielsen with the help of Marc?	Annual meeting 2018	Open
2017.18	To clarify the conditions and feasibility to add CEFAS wavenet data in the WG. Update: There seems to be a data policy problem in this matter. However, CEFAS sends data to the MetOffice and it's not clear why this exchange of data would not extend to the WG. John Siddorn is confident distribution of CEFAS data by third parties is allowed provided references to CEFAS are made. Some further clarifications are expected from Caroline.	Caroline Gautier and on Jon Rees	Annual meeting 2018	Open
2017.19	To extend the BMA/Matroos to waves forecast. Update: AP ongoing, a presentation was given by Martin Verlaan on this topic.	Caroline Gautier, Marc Philippart and WG members	Annual meeting 2018	Open
2017.20	To update the webpage of the NOOS working group on drift (last update seems to have been done in 2013) Update: The webpage has been updated.	S. Legrand and the WG members	ASAP	done
2017.21	To submit a proposal at the next CMEMS User Uptake Update: This has been done	S. Legrand and the WG members	January 2018	done
2017.22	To find a new leading scientist for the River discharge exchange project. This new leader will be in charge of re-energising the project and liaise with EMODNet-physics, e-Hype developers... Potential candidate could come from SMHI. Jacob Nielsen has also expressed some interest in the position. Update: Jacob has taken up the subject with Johan Söderkvist. He commits to bring this issue as far as possible, and wishes to have help or replacement on the subject. EMODNet has expressed interest to acquire our river data. Patrick used to be the contact person with EuroGOOS, replaced by Vicente since Patrick's departure; the future long term contact person is unclear.	NOOS steering group	Annual meeting 2018	Open

2017.23	To send to the steering group the list of participants to each task teams Update : Still open	Glenn Nolan	ASAP	Open
2017.24	To identify and contact one NOOS ambassadors in each task team. DataMEQ: Susanne Tamm (BSH) and Kate Collingride (Cefas) SAWG : Henning Wehde (IMR) and John Siddorn (UK Met Office) TPWG - no activities at the moment Coastal WG – Paloma de la Vallée (RBINS) Ferry box TT - Henning Wehde (IMR) Glider TT – Holger Brix (HGZ) Argo - not relevant for NOOS Sea mammals - John Siddorn (UK Met Office) HF Radar - Johannes Schulz-Stellenfleth (HGZ) Tide gauge – TBD Martin Verlaan (Deltares) and/or someone from BSH	Steering group	SG meeting	Done
2017.25	To contact IBI-ROOS co-chairs to discuss the possibility to co-locate the NOOS and IBI-ROOS annual meeting. The idea is to organise a half-day workshop on the possible synergies between the 2 ROOSes. Update: This proposition has been made, but co-location was not possible. The date/location of the next IBI-ROOS was not clear at time. However, there might be possibilities around the ETU meeting in May.	Co-chair	First half 2018	Open

4. NOOS Chairman Report

4.1. Chair activities

Due to the heavy workload of Henning and Sébastien, their activities as NOOS co-chairs have been less than they would wish. Their investment is at the maximum as it is: should one of both step down as co-chair, a replacement or help would definitely be needed.

Sébastien's activities:

1. Drafting of NOOS-Drift proposal
2. Attending 2 EuroGOOS chairs and directors meeting in NOV 2017 and FEB 2018
3. Representing NOOS at EOOS Forum, 7 March 2018, Brussels
4. Attending "sustainability workshop", 8 May 2018, EuroGOOS Brussels
5. Attending Kick-off meeting of Coastal WG, 9 May 2018, EuroGOOS Brussels
6. Attending BOOS annual meeting, 22 May 2018, Brussels
7. Presenting NOOS at EuroGOOS general assembly, 23-25 May 2018, EuroGOOS Brussels
8. Representing NOOS at CMEMS in-situ data requirements workshop, 3 July 2018, Toulouse
9. Presenting NOOS-Drift at 4th GEO Blue Planet Conference, 4-6 July 2018, Toulouse
10. Facilitating EuroGOOS moving to RBINS
11. Organising the NOOS annual meeting, Oct-Nov 2018

Henning's activities:

1. Representing NOOS at EuroGOOS Board of Directors.
2. Representing NOOS at EOOS Forum, 7 March 2018, Brussels
3. Representing NOOS at EuroGOOS General Assembly, 23-25 May 2018. Henning has been appointed vice-chair of EuroGOOS. This drastically limits his capacities for NOOS.

4.2. NOOS members

12 NOOS members out of 23 (19 members and 4 associated) have been represented at NOOS Annual meeting 2018. This is in the average of the other years, where participation fluctuated between 11 (2017) and 18 (2009).

France	ACRI ST, IFREMER, Meteo France, Shom
Germany	BSH, HZG, Uni Oldenburg
UK	MetOffice, Nerc
Netherlands	Deltares, KNMI, RWS
Denmark	FCOO, DMI

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

A review of the list of NOOS members shows that some of them were not attending the annual meetings the last couple of years. Some members are still interested in our activities (Uni Oldenburg, Nerc, Met Norway, NERSC, and SMHI) but do not have the capacity to participate. The next year might bring improvement on that front.

Henning Wehde raises the question of the opportunity to draft new Terms of Understanding should new members join NOOS.

Decision on NOOS project, working groups and initiatives

5.1. Program

The program of our activities should be submitted to EuroGOOS early 2019, to check if NOOS and EuroGOOS strategies and objectives are aligned. It will detail an overview of the last years as well as a planning for the coming years. This program may be written in the form of a fact sheet with Terms of Reference.

Glenn will circulate the priorities agreed upon at the general assembly. The priorities apply to all ROOSes. These priorities and required additional information will be gathered in 3 slides that Glenn will send around.

The old data policy of EuroGOOS [2000] has been briefly discussed. Glenn stresses that some members would be ejected, should the data policy be strictly applied. To the question if this policy will be softened in the future, Glenn expresses the opinion that some level of formality has to be ensured. In this context, he perceives informality as a weakness that may undermine the sustainability of the collaboration between members. He did not unveil the future strategy of EuroGOOS on this topic.

5.2. Collaboration with EuroGOOS ROOSes, WGs and TTs

The possibilities of collaboration between ROOSes, WG and TT level are raised.

The Idea of NOOS ambassadors is formally approved (cf action 2017.24) :

- DataMEQ: Susanne Tamm (BSH) and Kate Collingride (Cefas)
- SAWG : Henning Wehde (IMR) and John Siddorn (UK Met Office)
- Coastal WG - Paloma de la Vallée (RBINS)
- Ferry box TT - Henning Wehde (IMR)
- Glider TT - Holger Brix (HGZ)

- Sea mammals - John Siddorn (UK Met Office)
- HF Radar - Johannes Schulz-Stellenfleth (HGZ)
- Tide gauge – Anna von Gyldenfeldt (BSH) and Martin Verlaan (Deltares)

The assembly has taken the following decisions with respect to the possible NOOS-BOOS collaborations by Jens Murawsky/Jun She for the technical meeting:

- Sharing of model boundary conditions: it seems this is a subject to be tackled at CMEMS level between BAL-MFC and the NWS-MFC
- MME: The NOOS-BOOS collaboration on MME will continue under BSH's leadership. The assembly has taken note of the offer to extend the collaboration to BMA. However, Storm surge BMA prediction is a long standing activities in NOOS under Deltares leadership. The assembly suggests that Martin Verlaan, Laura Tuomi et others further discuss this specific point for a skype call.
- River runoff : As it potentially impact all the ROOSes, the assembly tasked EuroGOOs to escalate to EEA the issue to get access E-Hype forecast data at a reasonable cost. This is a blocking issues commonly identified by NOOS and BOOS.
- Common cal./val. Tools: The assembly acknowledges the possibility to have some common activities in this topic (e.g. sharing best practices, developing common python scripts, etc.). Christine Pequignet is tasked to organise this work.
- Data assimilation WG: The assembly does not show any interest in this topic
- Future BONUS joint initiatives : Yes, this may be a good opportunity to foster specific NOOS-BOOS collaborations. The assembly tasked the chairs to follow up this topic.

Possible collaboration with IBI-ROOS should be discussed in 2019.

To the question of how NOOS compares to other ROOSes, Glenn summarises EUROGOOS perception by the fact that the ROOSes are all very different.

- NOOS's main weakness is the ecology side. Our priority now should go toward promoting the results and the work being done, as well as develop the ecosystem study.
- MONGOOS's main problem is the sustainability of the observations.
- ARCTIC only just started; they don't have many measurements at present. There is a wish to set up an ARTIC GOOS implying Canada and Russia, but that last is hard to get over the line.
- BOOS is overall satisfactory, it's the most mature with NOOS.

5.3. New NOOS activities

The development of ecological/BGC concerns was further discussed. Henning is in favour to push this agenda, as he actually tried to do previously. Niels suggests NOOS should recruit new members with this responsibility at national level. John raises the possibility to start a new WG to this aim with Henning as lead.

All members are encouraged to publish their Best Practise on the repository :

<https://www.oceanbestpractices.net> . This concept should be understood in a very broad sense, and summarised as a description of the handling of the chain from collection, treatment and displaying

of data. Any information that could be of use to anyone should be shared. Glenn will provide an example in the repository to inspire the members.

No new NOOS activities are decided.

1. Review of the signatories to the NOOS MoU

There are no new signatories.

Marc has taken up contact OPW (Ireland) and awaits answers

Sébastien thinks that Marine Scotland might be contacted again in order to bring expertise on ecology/BGC.

John informs that PML is interested to become a NOOS member and that NOC intends to be more engaged in NOOS activities. Both PML and NOC are very active in NOWMAPS / NWS-MFC.

Henning asks to remind the existing members to be more active.

2. Elections

The steering group presently consists of

- Henning Wehde (co-chair) 2015
- Sébastien Legrand (co-chair) 2016
- Jon Rees 2014
- Jacob Woge Nielsen 2016
- Marc Philippart 2016
- John Siddorn 2017

Jon Rees's term comes to a close, he needs to be replaced. Some gender balance would be desirable. No names were brought forward in the room, but the name of Susanne Tamm was proposed. The assembly tasked the steering committee to check with her if she would agree to become a SG member. Susanne Tamm was elected in an ulterior exchange of mails.

The new steering group is made of:

- Henning Wehde (co-chair) 2015
- Sébastien Legrand (co-chair) 2016
- Jacob Woge Nielsen 2016
- Marc Philippart 2016
- John Siddorn 2017
- Susanne Tamm 2018

Henning Wehde's term will come to end at the annual meeting 2019. He can be re-appointed either as SG member or as chair.

3. Next meetings

Next NOOS annual meeting will take place at BSH, Hambourg, Germany, 16-18 October 2019, from noon to noon. The meeting could be in connection with a NOWAPS meeting that is going to take place at BSH on the 15-16 October.

The subject of the thematic workshop could be :

- BioGeoChemical as a key gap for NOOS?
- Regional and local modeling in the NOOS area
- Validation in CMEMS and NOOS

4. AOB

Finally, Henning wishes that some of the decisions were made during the meeting itself, and not pushed back to the Business meeting. The steering group will formulate a clever way to handle decision making intertwined in the technical meeting.

5. New action points 2018

2018.01	To organise a web-conference in order to decide the best way to get feedbacks on the fitness-for-purpose of the CMEMS products for MSFD assessments and to start an inter-comparison of the different approaches, methodologies and tools used through the NOOS members in their respective MSFD assessments. The creation of a temporary working group could also be discussed. Co-chair to invite CEFAS presenting development in CefMAT (https://emeco.azurewebsites.net/).	E. Garnacho, J. Siddorn and S. Legrand	First half 2019	Open
2018.02	To facilitate the engagement of the NOOS community in the CMEMS activities for User Uptake, Training and R&D. This should at least be done by advertising call for tenders and projects.	John Siddorn	Continu- ous task	Open
2018.03	To report to the CMEMS Science Advisory Committee that the numerous limitations associated to the current tender framework (administrative burden, strong IPR rules, limitation to 150.000€ on 18 month, obligation to maintain the activities well after the end of the contract, obligation to support the cost of translation of several documents from English to French by a sworn interpreter...) do prevent or strongly discourage ROOSes to submit tenders for the User Uptake, Training and R&D calls.	Glenn Nolan	January 2019	Open
2018.04	Update survey of 2017 with focus on <ul style="list-style-type: none"> • Expectation of the relationship between NOOS and CMEMS • 	Sebastien Legrand	January 2019	Open
2018.05	To write the new NOOS strategy document	Steering group	Before summer break 2019	Open
2018.06	To write the ToRs of the working group; A new template merging TORs and factsheets is wished less marked by EuroGOOS Create new template	Each NOOS WG and project leader	Before summer break 2019	Open
2018.07	To circulate the exact coordinates of the new list of stations used in the BMA. This list should also include Fino1 and 3	Marc Philippart	Before summer break 2019	Open

2018.08	To study the feasibility of an alarm service in case of extreme high and low level forecast	Marc Philippart	Before annual meeting 2019	Open
2018.09	In order to attract interest of MI, to develop a demonstration case with a station at risk of flooding for which there is no tide gauge (e.g. Cork)	Marc Philippart	Before annual meeting 2019	Open
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2018.14	To clarify the conditions and feasibility to add CEFAS wavenet data in the WG. David Pearce is the person at CEFAS to be convinced to get access to the data	Caroline Gautier and Susanne Tamm.	Annual meeting 2019	Open
2018.15	To extend the BMA/Matroos to waves forecast...	Caroline Gautier, Marc Philippart and WG members	Annual meeting 2019	Open
2018.16	To send to the steering group the list of participants to each task teams	Glenn Nolan	ASAP	Open
2018.17	NOOS-IBI ROOS collaboration -To contact IBI-ROOS co-chairs to discuss the possibility to co-locate the NOOS and IBI-ROOS annual meeting. The idea is to organise a half-day workshop on the possible synergies between the 2 ROOSes.	Co-chair	First half 2019	Open

2018.18	NOOS-BOOS collaboration: To organise a skype call with interested people to discuss possible NOOS/BOOS collaborations on BMA. Person of contact in BOOS : Laura Tuomi	Martin Verlaan	First half 2019	open
2018.19	NOOS-BOOS collaboration on CAL-VAL.: Organise a (skype) meeting with interested people in order to identify possible NOOS-BOOS collaborations on cal.-val. activities (best practices, common python codes, etc.). Person of contact in BOOS : Thorger Brüning	Christine Pequignet	First half 2019 – meeting could be join to the NOWAPS meeting in BSH on mid October 2019	Open
2018.20	Short presentation (3 slides) with required information and EuroGOOS priorities, for circulation before redaction of NOOS program	Glenn Nolan	ASAP	Open
2018.20	EuroGOOS to escalate the need for E-Hype trough agreement with EEA / Copernicus flooding alarm service (Issue : too high fee requested by SMHI)	Glenn Nolan	Annual Meeting 2019	Open
2018.21	Provide members with an example of Best Practices in repository	Glenn Nolan	Annual Meeting 2019	Open
2018.22	To exchange best practise with the NOOS community and to consider their upload to the IOC repository https://www.oceanbestpractices.net	ALL	Annual meeting 2019	Open
2018.23	To develop a strategy to extend NOOS activities to ecology/BGC	Steering group	Annual meeting 2019	Open
2018.24	Formulation of a new decision making procedure, allowing to bring the decisions closer to the technical discussion	Steering group	Annual meeting 2019	Open
2018.25	Members to send contact details of participants to the validation working group	All members	ASAP	Open

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