

Studies to support the European Green Deal

Lot 1 Shellfish and algae



Minutes of Meeting

Ref.: A1947-080_RD-MOM1

Date: 14th December 2021

Customer: CINEA

Ref.: CINEA/EMFF/2020/1.3.1.16/Lot 1





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Contract

Purpose	Kick-off Meeting
Meeting Date	14/12/2021
Location	videoconference

Attendees	Company / Institute	Attendees	Company / Institute
Sonia Karasavidou	CINEA	Philippe Bryère	ARGANS LTD
Iain Shepherd	MARE	Antoine Mangin	ARGANS LTD
Luca Marangoni	CINEA	Nikolai Maltsev	ARGANS LTD
Maris Stulgis	MARE	Gilbert Langlois	ARGANS LTD
Grigore Rischitor	MARE	Anne Vallette	ARGANS LTD
Freija Vermeer	MARE	Chloé Guillerme	COFREPECHE
Alessandro Pititto	EMODnet	Yéelen Olive	COFREPECHE
Julie Maguire	BMRS	Simona Paolacci	BMRS
Martin Johnson	BMRS		

Conclusion

Start of the project 1st December 2021

The proposed work is interesting, particularly the balance of nutrients and the impact of fishing if aquaculture productions are increased.

During the 9 months contract you must work only on nutrients (not take into account, life cycles, pollution, heavy metals or anthropogenic pressure).

The aim is that at the end of the project, this study should provide answers. Maps are very necessary to have an idea of the processes.

End of project 1st September 2022.

Signatures

	Name	Company / Institute	Signature
Written by	Philippe Bryère and Anne Vallette	ARGANS LTD	



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Approved by	Philippe Bryère	ARGANS LTD	
Approved by		CINEA	
Distribution (Attendees +)			
For further action :			
For information : Maël Jouan (ARGANS), Deirdre McElligott (BMRS), François Régis Martin Lauser (ARGANS), Anne-Laure Beck (ARGANS)			

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1 Minutes of Meeting

Reference document	Title	date
RD-MOM1	Minutes of the Kick-of meeting	14/12/2021

1.1 Welcome done by Sonia Karasavvidou, Project Adviser, CINEA D.3

The minutes of the meeting will be taken by the contractor.

1.2 Introduction by Luca Marangoni, Deputy Head of Unit, CINEA D.3

Sonia will be the project contact at CINEA.

1.3 Background and purpose of this study: objectives and expectations, Iain Shepherd, Policy Officer, DG MARE A.1

Much of the agricultural land is used to generate biofuel, which accounts for 60% of the world's renewable energy. More food from the ocean can relieve this pressure. Seaweed and shellfish aquaculture, which do not require feed from crops can also reduce excess nutrients in the oceans.

The aim of this contract is to understand the relationship between non-fed aquaculture and nutrients. What will be the impact on nutrient concentrations in Europe's seas? Are there enough nutrients for a dramatic expansion of aquaculture? You do not need to go to life cycle analysis nor analysis of contaminants such as heavy metals. During the 9 months contract you must work only on nutrients (no need to take into account pollution, heavy metals or anthropogenic pressure). The aim is that at the end of the project, this study should provide answers.

The peer review articles need to be ready for publication by end of the contract. This article should be short, concise and of good scientific quality.

1.4 Deliverables, meetings and timeframe by Sonia Karasavvidou

Presentation of the project key elements: duration, price and dates and objective.

The specific objective is to assess the potential of shellfish and algae to recycle nutrients and to estimate the greenhouse gas emission generated by their production. This objective implies the production of digital maps for each species in different areas, scenario for each species to maximise production and the impact on fishing of an increase of cultivation.

The deliverables are the inception report, the interim report, and the final report, including the digital maps. For each technical additional meeting, a report must be provided.

The technical meeting will be organised as necessary and on demand.



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The payments are made after approval of the interim report (50%) and final report (50%). CINEA's comments on the deliverables will be made within 60 days of receipt.

The contract entry into force on the 1st December 2021. The draft of the interim report is due by 20 April 2022, and the draft final report by 13 July 2022. The due date for the final report is 1st September 2022. The interim meeting (tbc) will be held near the 4th May 2022 and the final meeting around 27th July 2022 (tbc).

The address for all official communication is CINEA-EMFAF-CONTRACTS@ec.europa.eu

Information is provided about the confidentiality of information.

Question: about the extension?

Answer: Only if there is budget and it is needed. The contractor will be informed 3 months before the end of the 1st contract with a formal letter. For the moment, there is no need to have an extension (IS).

1.5 Study overview: team intro, tasks and methodology, project schedule and deliverables

A Presentation is done by the consortium: introduction of the partners backgrounds, teams, description of tasks, schedule, etc... provided on a PPT document annexed to this document.

1.6 Discussion, Conclusion & Next steps

Iain Shepherd:

Protein production in aquaculture is very low compared to agriculture. There is also a huge difference in non-fed aquaculture production between Europe and countries like China.

The proposed work is interesting, particularly the balance of nutrients and the impact of fishing if aquaculture productions are increased. Maps are very necessary to have an idea of the processes. The aim is to reduce nutrients by 50%. There is no need to go into too much detail, what is needed is a broad approach. The project is very interesting and dense and for the moment there are no plans to extend it.

Alessandro Pititto:

- About API to upload data in EMODnet, is it possible to use another process? On the data portal, there is an access to upload data when they are ready.
- Web interface: is-it mandatory? can we use EMODnet portal?
- Format: NetCDF or geotiff is ok but I would suggest using only NetCDF
- Spatial planning more simple

If you need clarification on EMODnet, please contact me via SK.

Answers by Philippe Bryère:

- API, yes we can use another method, the use of API is not recommended for security.
- Web interface: it is for the use of the consortium during the project. In the ITT, it was mentioned that the users can launch their own processes, so for us, we estimated it as mandatory.
- NetCDF format: we accept this request

Iain Shepherd: can I have a copy of the presentation? SK : The copy will be posted on the web

Sonia Karasavvidou : if any questions, feel free to contact me as much as necessary.

Covering: do you want a global mapping or one map per sea?



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Answer: no idea, please do what's best for you.

Iain Shepherd Alessandro Pititto: the results in EMODnet will be distributed through the 'Human activity' thematic.

Antoine Mangin: is there a connection between the project and Copernicus?

Answers:

- no objection to be distributed through Copernicus but should also mention that supported by EMFF. Let us know of about any contacts (Iain Shepherd);
- If uploaded on EMODnet, could be used by Copernicus (Alessandro Pititto);

Chloé Guillerme: At the end, a training is planned. How many people are expected?

Answer: Alessandro Pititto + Iain Shepherd : only few people from CINEA & EMODnet.

Sonia Karasavidou: The presentation of the contractor is considered the inception report and is for approval. . Please send us the minutes of meeting before Christmas.

Grigore Rischitor : How to match two scales (1km for map and hectare for aquaculture) ?

Answer (JM) : Most farms shellfish and seaweed are small (10Ha average), and 1km² equates to 100Ha. However, in Bantry Bay for example there are 27 companies operating all zoned in the same area so >1km² of mussel growing areas exist. For seaweed farming, it is a smaller but growing sector so large farms/sites do not yet exist. The exciting part of the project is that we can ignore zoning issues and concentrate on growth factors when calculating potential biomass in each grid square.

Meeting closed at 11:45 CET.