

David Cox

# 1.1

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## Meeting reports of the CSA Oceans 2 Committee and Steering Board year 1

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funded project



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Authors: David Cox

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- PU = Public

## INTRODUCTION

This report relates to both tasks 1.1 Consortium Coordination and management and 1.2 Interactions between CSA Oceans 2 and JPI Oceans structures of WP1. The aim of this report is to present a compilation of the meetings of the management bodies of CSA Oceans 2 held during the first year of the project.

## MANAGEMENT STRUCTURE OF THE CSA OCEANS 2 PROJECT

The CSA Oceans 2 project is a support initiative for the Joint Programming Initiative for healthy and productive Seas and Oceans (JPI Oceans). The CSA Oceans 2 and JPI oceans are two separate entities, however intrinsically connected. As a support initiative for the JPI Oceans it is crucial for the development of the CSA Oceans 2 activities that a good communication and synergies are created with the JPI Oceans management structures (Management Board (MB), Executive Committee (ExCom), Strategic Advisory Board (STAB) and JPI Oceans Secretariat) and therefore those structures needs to be closely linked to the management structure of the project.

Besides the Project Coordinator and a Coordination Team the management structure of the CSA Oceans 2 is composed of the CSA Oceans 2 Committee and a CSA Oceans 2 Steering Board.

The CSA Oceans 2 Committee, chaired by the Coordinator, will be composed of a representative of all the CSA Oceans 2 partners and the Chair (DEFRA) and Vice-Chair (MINECO) of the ExCom of JPI Oceans and the Director of the JPI Oceans Secretariat (RCN).

This body runs the main activities of CSA Oceans 2 project. It is the executive part of the project, manages its operation and implementation according to the pre-defined work plan and will bring issues to the attention and decision of the CSA Oceans 2 Steering Board.

The CSA Oceans 2 Steering Board is constituted of all the members of the Management Board of the JPI Oceans, as decided at the Management Board meeting of April 2015. The Steering Board adopts decisions on strategic and content issues.

The relation between JPI Oceans and the CSA Oceans 2 project is showed in the figure below.

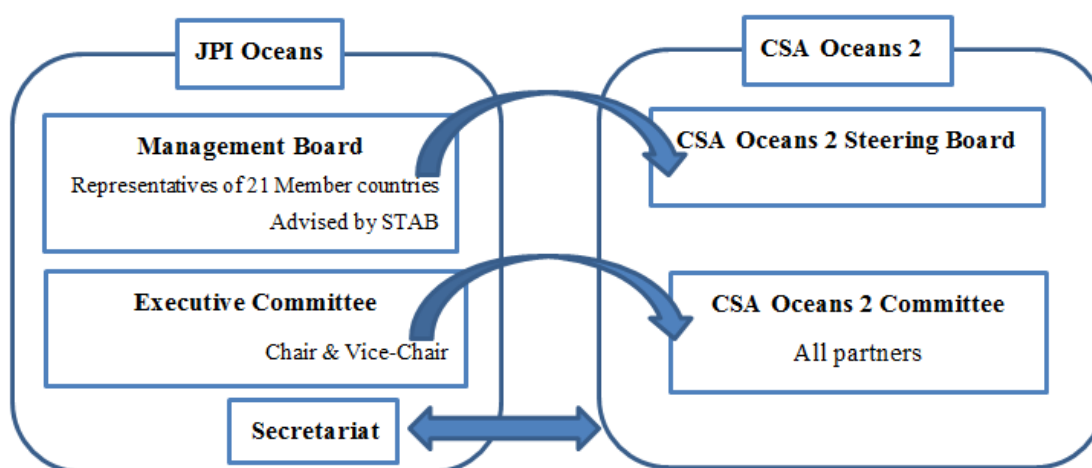


Fig. 1 Relation between CSA Oceans 2 and the JPI Oceans

## OVERVIEW OF THE MEETINGS

The cycle of meetings of the CSA Oceans 2 Committee has been set to two meetings a year starting with a kick off in year 1.

The project started with a kick-off meeting on 11/3/2016 at the Covent Garden building of the EC. The meeting was attended by 21 participants. All partners were represented. The meeting was intended to present the foreseen work within all the tasks and work packages of the project. A presentation of expectations from JPI Oceans was also foreseen. The meeting was concluded with some words from John Bell, Director for BioEconomy, DG Research & Innovation.

The second CSA Oceans 2 meeting was organised on 28 and 29 September 2016. The aim of this meeting was to review the progress of the project's work and to discuss the future work to be done. A third meeting was organised the 9th of March 2017 to discuss the progress after the 1st year of the project.

The agenda and the reports of the CSA Oceans 2 Committee meetings are included in annex 1. The presentations of the different work packages can be found the JPI Oceans extranet.

Since the CSA Oceans 2 Steering Board is composed of the Management Board of JPI Oceans it was agreed, in order to avoid complexity and confusion, to combine the CSA Oceans 2 Steering Board meetings with the regular Management Board meetings of JPI Oceans. On the agenda of every meeting some time is foreseen to agree and discuss CSA Oceans 2 activities and issues. The Management Board acts at that moment on the agenda in the capacity as Steering Board of the CSA Oceans 2 project.

The CSA Oceans 2 was firstly discussed in the Management Board meeting of JPI Oceans on 21 April 2016. Since, it has been discussed at every Management Board meeting of JPI Oceans. The list of Steering Board meetings in the first year of the project is shown in the table below. An extract of the MB reports relating to CSA Oceans 2 is included in annex 2.

Meetings	Date
<b>CSA Oceans 2 Committee</b>	11/3/2016
	28&29/9/2016
	9/3/2017
<b>CSA Oceans 2 Steering Board (included in regular JPI Oceans MB meetings)</b>	21/4/2016
	16/6/2016
	5/10/2016
	12/12/2016

Table 1: Overview of the meetings of the CSA Oceans 2 Committee and Steering Board.

## ANNEX 1: MEETINGS OF THE CSA OCEANS 2 COMMITTEE

MEETING 11/3/2016

### AGENDA

**09:30** Tour de table, Welcome address

**09:50** State of play of JPI Oceans and CSA Oceans 1 (JPI Oceans secretariat)

**10:10** Summary of the Project

Governance structure (WP1)

- CSA Oceans 2 Committee, CSA Oceans 2 Steering Board, roles and interactions with JPI Oceans Management Board and Secretariat
- Consortium Agreement

Management and Operational procedures (WP 1&6)

- Reporting
- Deliverables submission
- Project Information Management
- Financial Procedures
- Meetings schedule
- Ethics

**11:30** Project implementation:

*Work package tasks, milestones and deliverables (focus on the first reporting period (1-18 months)), need for JPI Oceans Management Board and for CSA WP interconnectivity (by each WP (Co-)Leader)*

- Efficient implementation of JPI actions (WP2)
- Connectivity to support implementation (WP3)

**12:30 - 13:30 Lunch**

- Forward-looking activities (WP4)
- Information management and outreach (WP 5)

**14:30** General conclusions  
Any other business

**15:00** *Closing*

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## REPORT

### Kick-off meeting, Brussels, 11th March 2016 – 09:30 h – 15:00 h Meeting room 5.183 (COV2 floor 5) Covent Garden, Place Rogier 16, 1210 Brussels

**Participants:** see annex

David Cox (BELSPO), project coordinator of CSA Oceans 2, chaired the meeting.

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#### INTRODUCTION AND WELCOME

David Cox gave the welcome to the participants and thanked the European Commission to host the meeting at their premises. He then gave the word to Sigi Gruber, head of Marine Resources Unit at DG Research and Innovation (European Commission), which presented the expectations from the European Commission for the CSA Oceans 2 project, considered as a high strategic project in Horizon 2020.

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#### EXPECTATIONS FROM JPI OCEANS

David Cox gave the floor to Kathrine Angell-Hansen (RCN), Director of the JPI Oceans secretariat, which presented the expectations from the JPI Oceans Management Board and secretariat for CSA Oceans 2.

CSA Oceans 2 aims to support the implementation of the JPI Oceans activities, but she reminded the participants on the huge work done by the previous consortium of CSA Oceans and to build on what was achieved, as she was the coordinator of that project.

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#### WP1

David Cox (BELSPO) presented the general information of the project, the governance structure (including the relation with JPI Oceans) and the management and operational procedures.

He asked the partners to inform the coordinator on any changes of members and if they will find future problems to deliver on time. He also reminded that there are still some signatures and information missing for the Consortium Agreement, critical to formalise the first payment.

He also informed that the CSA Oceans 2 will follow the procedure of partners delivering an internal report to the coordinator every 6 months, as it proved useful for CSA Oceans 1. He also promoted the use of the JPI Oceans extranet as an archive of the project and he invited those who haven't a log-in for it to inform the secretariat to grant her/him access.

As future procedure, all input from CSA Oceans 2 to the JPI Oceans Management Board will be discussed with the partners in advance.

He also reminded that all relevant decisions are done by the Management Board, which meets twice a year and some deliverables doesn't meet the timing of these meetings; but decisions by written procedure are possible. The partners are asked to provide to the secretariat information on how much time they expect discussion during the Management Board meeting for better planning.

In addition, David Cox is part of the JPI Oceans Executive Committee, a Management Board sub-group tasked to oversee and guide the work of the Secretariat as well as ensure that Management Board decisions are implemented, and he can propose to table discussions about the deliverables for the Management Board meetings.

Kathrine Angell-Hansen also informed about the procedures for the Strategic Advisory Board of JPI Oceans, which needs 10 working days to agree on a decision by written procedure. She pointed out that the relations between JPI Oceans and CSA Oceans 2 should be two-directional. She invited the new partners to expend couple of days at the secretariat to have a better insight on JPI Oceans and to learn from CSA Oceans 1, and to communicate to Ángel Muñoz (BELSPO) if they want to table something at the weekly meeting of the JPI Oceans secretariat.

Sigi Gruber proposed to organise a 1 hour monthly meeting with representatives from the Marine Unit of the European Commission, the Director of the Secretariat and the CSA Oceans 2 coordinator to discuss the most recent news from the 3 parts.

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#### WP2

Lourdes Armesto (MINECO) presented the aim and tasks of the Work Package they lead together with BELSPO on the implementation of the JPI Oceans joint actions.

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#### WP3

Jacky Wood (RCN) presented the aim and tasks of the Work Package they lead together with Juelich on connectivity to support the implementation of the joint actions.

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#### WP4

John Hanus (KDM) presented the aim and tasks of the Work Package they lead together with IFD on forward looking activities.

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#### WP5

Tom Redd (VLIZ) and Joana Pinheiro (FCT) presented the aims and tasks of the Work Package they co-lead on information management for JPI Oceans and outreach tools.

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#### WP6

This Work Package is new and compulsory for all Horizon 2020 projects. It deals with the ethics of the project and has one deliverable to be submitted using an online tool. Ivan Conesa-Alcolea will provide more information on this to David Cox.

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#### PREPARATIONS FOR NEXT MANAGEMENT BOARD MEETING

The JPI Oceans Management Board will meet next 21 April at the JPI Oceans offices in Brussels. The CSA Oceans 2 project will have a 1 h agenda point. The partners were invited to say the activities where they would need to have a formal Management Board decision to progress in the coming months and that it can't wait till the meeting in autumn (second week of November, to be confirmed). For this, the partners have to provide a background note and documents are to be sent on 18 March (6 weeks in advance) and on 6 April. This one-page note should be sent to David Cox by 30 March.

What CSA Oceans 2 would like to have a Management Board decision on is:

- Proposal to set written procedures and/ or to task the Executive Committee to consult/ approve deliverables between Management Board meetings.
- 1 page document with all the supporting activities of CSA Oceans 2, including foresight and the proposal for new tools.
- Proposed form and approach for requesting CSA Oceans 2 financial support (with input from the other partners).
- Proposal for themes and scope of workshops to be organised during the summer 2016 between (1) Research Funding Organisations and (2) Research Performing Organisations.
- Proposal for international collaboration of the project.
- Proposal of foresight activity on technology to support the ERA-NET Cofund on maritime technologies.
- To set a date for the Second JPI Oceans Conference (April-May-June 2017) and if other meetings could be organised back to back.
- Any other point the partners find relevant.

## List of participants



### CSA Oceans 2

Coordination action in support of the implementation of the  
Joint Programming Initiative on 'Healthy and Productive Seas and Oceans'

Kick-off meeting, Brussels, 11 March 2016

Meeting room 5.183 (COV2 floor 5)

EC DG Research, Covent Garden, Place Rogier 16, 1210 Brussels

11th March 2016 - 09:30 h - 15:00 h

#### List of participants

Surname	Name	Organisation	Signature
Angell-Hansen	Katherine	RCN	
Armesto	Lourdes	MINECO	
Bonne	Wendy	VLIZ	
Conesa-Alcolea	Ivan	EC	
Coroner	Florence	IFREMER	
Cox	David	BELSPO	
De Bernardis	Enrico	CNR	
De Raedemaeker	Fien	VLIZ	
Fritz	Jan-Stefan	KDM	
Hanus	John	KDM	
Hyder	Kieran	DEFRA / Cafes	
Lekkas	Anastasios	RCN	
Muñiz Piniella	Ángel	BELSPO	
Petihakis	George	HCMR	
Pinheiro	Joana	FCT	
Redd	Thomas	VLIZ	
St-John	Michael	IFD	
ten Hoopen	Floor	IFD	
Thorud	Kristin	RCN	
Wolf	Ulrich	JULICH	
Wood	Jacqueline	RCN	



## AGENDA

### **Day 1 - 28 September 2016**

**13:30** Welcome and introduction

**13:45** WP 3 Connectivity to support implementation (RCN & JULICH)

- Task 3.1 Strengthen the operational network of RFO (JULICH)
- Task 3.2 Facilitating the ERA community at the level of RPO (RCN)
- Task 3.3 Tackle societal challenge through cooperation, engagement with stakeholders, private sector, technology platforms, ... (CNR)
- Task 3.4 International cooperation outside EU (RCN)

**15:45** *coffee break*

**16:00** WP 4 Forward-looking activities (KDM & IFD)

- Task 4.1 Support activities for the implementation of the SRIA (KDM)
- Task 4.2 Process design of updating the SRIA/IPlan & Operational Plan (IFD)

**18:00** *End of day 1*

### **Day 2 - 29 September 2016**

**9:30** WP 2 Efficient implementation of JPI actions (MINECO & BELSPO)

- Task 2.1 Facilitate the development of joint actions to implement the SRIA (BELSPO)
- Task 2.2 Operationalization of the JPI Oceans toolkit (IFD)
- Task 2.3 Identification and piloting of new tools for alignment of national programmes (IFD)
- Task 2.4 Monitoring, evaluation and assessment of actions (MINECO)

**12:30 - 13:30** *Lunch*

**13:30** WP 5 Information management and outreach (VLIZ & IFREMER)

- Task 5.1 Develop an information management and outreach platform to enable optimal access to data and research results (VLIZ)
- Task 5.2 Create specific communication and outreach materials to communicate the JPI Oceans decision making process (IFREMER)
- Task 5.3 CSA Oceans 2 project dissemination and outreach (VLIZ)
- Task 5.4 Dedicated briefings and biennial JPI Oceans conference (FCT)

**15:30** WP 1 Coordination (BELSPO) & WP 6 Ethics  
Reporting, interaction with JPI Oceans MB, ...

**16:30** General conclusion & AOB

**17:00** *End of day 2*

**2nd CSA Oceans 2 meeting, Brussels, 28-29 September 2016**  
**JPI Oceans secretariat, Rue du Trône 130, 1050 Brussels**

**Participants:** see annex

David Cox (BELSPO), project coordinator of CSA Oceans 2, chaired the meeting.

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**INTRODUCTION AND WELCOME**

David Cox gave the welcome to the participants and thanked the JPI Oceans secretariat for hosting the meeting at their office. He informed about the aim of the meeting: to learn from the partners what has been done in the last 6 months and what will be done in the future and who from the partnership to involve in the work.

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**WP3****Task 3.1 Strengthen the operational network of RFO (JULICH)**

Ulrich Wolf (JULICH) presented the progress and activities of this task.

The meeting with the French Ministry on 29 August proved to be very positive and this procedure can be implemented for other countries. Partners asked the possibility to engage with non-JPI Oceans member countries such as Monaco, Latvia and Slovenia, but according to JPI Oceans previous experiences, it is preferred to interact by invitation from the countries. For the moment there hasn't been any clear request to have these visits from other countries; a proposal was made to ask the JPI Oceans Management Board (MB) members. Since JPI Oceans is evolving to become a legal entity, more visits to member countries could be envisaged.

There have been proposals to have a meeting in Denmark with the restructuring of the Innovation Fund and also Finland since it will only focus on BONUS. It was also proposed to consider the participation of other Ministries not present at the table of JPI Oceans and to engage with other initiatives as PRIMA, BlueMed, MarineBiotech and Cofasp (the latest two having events in the coming weeks).

Ulrich Wolf will also be co-chair of the Joint Working Group of JPI Oceans and BONUS art. 185.

In relation to the other JPIs, there has been a contact with German representatives of FACCE, Water and Urban Europe and there will be a meeting in October for German interested partners. There are already a lot of interactions with other JPIs and a proposal was made to include in this context the joint JPI Climate/ JPI Oceans Working Group.

About the first deliverable, it was proposed to gather the outcomes of the meeting with the French Ministry and compliment it with the discussions at the 13th MB meeting in December.

Alignment was proposed as a possible topic for the first RFO workshop.

**Task 3.2 Facilitating the ERA community at the level of RPO (RCN)**

Jacky Wood (RCN) presented the progress and activities of this task.

The aim of this task is to strengthen the cooperation with and between RPOs on agreed topics.

The first workshop will be in the frame of the calibration network action (lead: Greece) and will be organised at the SeaTech week in Brest in October.

In addition to that, there are also dialogs with other organisations (e.g. Marine Board).

A questionnaire will be proposed for setting criteria for selection of topics and key organisations to involve.

There was a proposal to approach the cross-cutting areas of JPI Oceans and ask the MB to appoint national contacts to develop an action in these areas.

A specific proposal was to use the example of the calibration network and to use it in the case of the new pollutants action: to identify national experts to help the nomination from MB members.

Other topic could be observations, building on the political momentum. The RPOs could benefit from that, as it adds strategic perspectives to their activities.

### **Task 3.3 Tackle societal challenge through cooperation, engagement with stakeholders, private sector, technology platforms... (CNR)**

Margherita Cappelletto (CNR) presented the progress and activities of this task.

This task is looking for a proposal on how to interact with industry and how to support the JPI Oceans actions. They will build further on the project outcomes of CSA Oceans 1.

At the end of this task, the idea is to deliver something that can be added to the current toolkit. For 2016, the task could learn from other initiatives and in 2017 the proposal is to have something more tangible. The task leaders will soon contact the actions' coordinators and the secretariat contact point for the actions.

A proposal was made to work with MartERA fex. to share experiences for preparing the brokerage event (to build a procedure for the toolkit). Another proposal is to relate to the MSP action, and the StAB members from the industry, as well.

Proposals of industry engagement should be fit for purpose and as concrete as possible as from the experience in Italy, industry would be only interested if the outcomes are tangible. So it was recommended that this task would focus on small and concrete actions.

This task could also compile the efforts of the secretariat members attending industry meetings and their engagement in advisory boards.

### **Task 3.4 International cooperation outside EU (RCN)**

Jacky Wood (RCN) presented the progress and activities of this task.

This task is currently preparing the international statement of JPI Oceans and it would be available in couple of weeks.

Ulrich Wolf participated in a meeting in India; there was a clear interest of India in being involved in JPI Oceans activities. But it's up to the MB to decide. There was a call to the communications Work Package for the website to be more open for non-European countries.

The international cooperation would be decided at the MB in a case by case basis, and there are already some international relations at the level of the actions.

Future connectivity with the future JPI Climate CSA on internationalisation could be envisaged.

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## **WP4**

### **Task 4.1 Support activities for the implementation of the SRIA (KDM)**

John Hanus (KDM) presented the progress and activities of this task.

This task is building on the existing foresight processes developed in CSA Oceans 1.

There is current cooperation with the OECD and JPI Oceans to organise the seminar in October on the OECD report for 2030 and also with the secretariat to organise the forward looking seminar the following day. The expected outcomes of these 2 days are recommendations to the MB on where this task can support the implementation through foresight.

The MB already decided that that CSA Oceans 2 could support a technology foresight in cooperation with MartERA. It was proposed to have for this task a brainstorming meeting with interested CSA partners (RCN, IFD, CNR) and MartERA partners to discuss the scope and execution of this foresight exercise.

Further discussion is needed with MB on which thematic areas would benefit from a foresight activity.

Questions were asked if this task could provide an analysis/information on the Blue Cloud initiative for the 13th MB meeting (Dec. 16). It was concluded that KDM would come back to the consortium.

#### **Task 4.2 Process design of updating the SRIA/IPlan & Operational Plan (IFD)**

Mike St John (IFD) presented the progress and activities of this task.

The idea of this task is to provide a proposal for a lighter process than the original for updating the SRIA. A test would be done at the OECD seminar and JPI Oceans meeting in October.

The consultation to industry should be included in the proposal based on the outcomes of Task 3.3.

The proposal should also include an analysis on how to take decisions on how to prioritize; looking at strengths and weaknesses of the decision making process and how to improve the impact. It should also include the involvement of StAB.

This task could also learn from other JPIs on how to update a SRIA and also to learn from how it is done at national level. It could make a proposal on when it should be updated and the frequency of these updates. It was proposed that the update could be done little by little, instead of all at once.

The involvement of the partners of the first CSA was recommended. An analysis of the amount of details and if all the documents produced by the previous CSA are used, was proposed.

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## **WP2**

### **Task 2.1 Facilitate the development of joint actions to implement the SRIA (BELSPO)**

Ángel Muñiz (BELSPO) presented the progress and activities of this task.

The procedures for requesting financial support by CSA Oceans 2 were approved by the MB at their meeting in June 2016. No request was received so far, but there are couple of actions preparing a request.

A closer link with the task on the toolkit was requested by keeping the task leader informed.

There was a question about the funding of experts and if national nominated experts could be funding through CSA. The participating countries should commit resources to the actions and therefore fund their own experts. If for the actions extra experts are needed (fex. need for specific expertise or balance in expertises of the group) those experts could get refunded by the CSA. For the invited experts there is also the need to inform the national representative. The MB must know who is invited to the table from its country.

Regarding budgets, if the budget is underspent for an action, the remaining can be moved to other actions that may need it.

### **Task 2.2 Operationalization of the JPI Oceans toolkit (IFD)**

Mike St John (IFD) presented the progress and activities of this task.

JPI Oceans is good and well advanced compared to other JPIs in terms of developed toolkit. The task leader asks to be kept in the loop of the current actions and asks for better coordination between WPs to avoid duplication.

It was proposed to learn from the toolkit of SFIC, which have tools for international actions (also interesting for task 2.3).

Another tool could be brokerage events, as MartERA is thinking to conduct this. Task 3.3 will deliver a tool for interactions with industry.

An approach proposed for being pragmatic is to apply the toolkit to the current actions, but there is a need to balance the needs and requests of the JPI Oceans MB and the CSA resources. This would also help to solve the issue of the current use of the toolkit, as it would show the usefulness and added value, as this toolkit is not business as usual. Countries could also share experiences through the toolkit.

Proposals were made to meet with lead countries to help to use the tools that may need, but also to anticipate some tools that would be needed in the future.

Learning from other JPIs and the pilot actions was proposed as well.

### **Task 2.3 Identification and piloting of new tools for alignment of national programmes (IFD)**

Mike St John (IFD) presented the progress and activities of this task.

A potential new tool could be emergency panels, which are already in the IPlan, so it could be further developed.

Links with IOC and EC were proposed. New ideas from the toolkit could also feed into the EC instruments.

### **Task 2.4 Monitoring, evaluation and assessment of actions (MINECO)**

Lourdes Armesto (MINECO) presented the progress and activities of this task.

This task will develop the monitoring and evaluation of policy and structuring actions only, and it will continue and built upon the CSA Oceans 1 deliverable 2.5. They have been focusing for now on the policy actions.

They have found difficulties to find correct indicators for policy actions, as the impact cannot be quantified in numbers. It's also impossible to have common indicators for all the actions, so there was a proposal for each action to have its own indicators.

The terminology used must try to be in line with the terminology used at the GPC, to align better the evaluation processes of the GPC and JPI Oceans.

A proposal was made to involve Svend Remoe (RCN, JPI Oceans evaluator) in this task and to have a meeting with the secretariat also.

A proposal for evaluation and monitoring will be developed for the 13th MB meeting.

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## **WP5**

### **Task 5.1 Develop an information management and outreach platform to enable optimal access to data and research results (VLIZ)**

#### **Task 5.3 CSA Oceans 2 project dissemination and outreach (VLIZ)**

Willem De Moor and Tom Redd (VLIZ) presented the progress and activities of these tasks.

The communication WP is open for news from partners to be published on the website.

The information management system is designed for multiple purposes: to allow the MB to access to information and to allow externals to access some information.

Proposals were made to link the information of the actions to the toolkit and the events, and to promote the use of the extranet. A search option by type of action is also possible.

A link to publications developed by the actions will be available, but the task will explore the possibility in the future to have an action-specialised library and a tool available to search by type of publication.

When finalised, this system will be promoted to be linked to the countries' websites.

## **Task 5.2 Create specific communication and outreach materials to communicate the JPI Oceans decision making process (IFREMER)**

Florence Coroner (IFREMER) presented the progress and activities of this task.

This task has developed some graphical representations of different decision making processes, but they welcome more proposals for topics. All figures will include explanations.

Proposals were made to represent the step by step approach (ex. microplastics action), the update of the graph of the 3 bubbles with the banner, and the decision making flow.

The involvement of JPI Oceans at regional and global level will be considered for the future. In the ERA landscape picture, they will include the regional actors as well.

The task will consult the CSA and the secretariat before finalising the graphs.

## **Task 5.4 Dedicated briefings and biennial JPI Oceans conference (FCT)**

Joana Pinheiro (FCT) presented the progress and activities of this task.

The second conference will take place on 26 Oct. 2017 in Lisbon. There are different options for the venue and the meetings associated (microplastics projects meeting, MB meeting, etc.). Using both buildings for side sessions was proposed.

There was a proposal to link it to Our Ocean conference, taking place few weeks before in Malta. JPI Oceans has to be also visible in this conference.

It was mentioned that if the Commissioner comes, he has to receive a message, a document for strengthening the relation between JPI Oceans and EC, for instance.

It was also mentioned to target the participation of the MB and international partners, and to showcase the JPI Oceans results in the 5 minutes presentations format that worked pretty well during the first conference, and maybe also smaller group and open discussions.

A proposal that was well received is to invite some Nobel laureates (or high-level scientists) to discuss on a specific topic. For that, there is a need to build an idea to attract these people and to prepare a contingency plan in case it doesn't work. The task leader will ask Lisa Almesjo (SE MB member) to check in Stockholm how these invitations could work. It is also important to have a good and prepared moderator.

The task leader will come back to the organising committee and return with a proposal for the approval of the MB.

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### **WP1 & WP6**

David Cox (BELSPO) presented the coordination & management and ethics Work Packages.

David reminded the partners to deliver the 6 month activity report and asked to informed about two amendments to the contract in preparation (one from EC and one for MINECO).

The deliverable on ethics is being prepared, based on the ethics policy at BELSPO. Further input is welcome.

Next meeting of CSA Oceans 2 consortium could be in connection to the Joint Programing Conference (in Nov.), or to the MB meeting in December.

## List of participants



### CSA Oceans 2

Coordination action in support of the implementation of the  
Joint Programming Initiative on 'Healthy and Productive Seas and Oceans'

### CSA Oceans 2 Committee meeting JPI Oceans secretariat

28-29 September 2016

#### List of participants

Surname	Name	Organisation	Signature
Angell-Hansen	Katherine	RCN	
Armesto	Lourdes	MINECO	
Cappelletto	Margherita	CNR	
Conesa-Alcolea	Ivan	EC	
Coroner	Florence	IFREMER	
Cox	David	BELSPO	
De Moor	Willem	VLIZ	
De Raedemaeker	Fien	VLIZ	
Fritz	Jan-Stefan	KDM	
Hanus	John	KDM	
Knut Brudevoll	Anders	RCN	
Lekkas	Anastasios	RCN	
Moretti	Pier Francesco	CNR	
Muñiz Piniella	Ángel	BELSPO	
Papathanassiou	Vangelis	HCMR	
Pinheiro	Joana	FCT	
Redd	Thomas	VLIZ	
Sergent	Sophie	IFREMER	
St-John	Michael	IFD	
Thorud	Kristin	RCN	
Wolf	Ulrich	JULICH	
Wood	Jacqueline	RCN	

Bonne  
Hydes  
Ramirez

Wendy  
Kreian  
Teodoro

VLIZ  
DEFRA  
MINECO

by telephone  
by telephone

present

present

present

## AGENDA

**9:00** Welcome and introduction

**9:15** WP 2 Efficient implementation of JPI actions (**MINECO & BELSPO**)

- Task 2.1 Facilitate the development of joint actions to implement the SRIA (**BELSPO**)
- Task 2.2 Operationalization of the JPI Oceans toolkit (**IFD**)  
*incl. D2.1 Proposal for procedures involving joint calls with real mix of cash and in-kind contributions*
- Task 2.3 Identification and piloting of new tools for alignment of national programmes (**IFD**)
- Task 2.4 Monitoring, evaluation and assessment of actions (**MINECO**)  
*incl. D2.3 Report on operational models and procedures for evaluation of policy and structuring actions*

**10:45** WP 3 Connectivity to support implementation (**RCN & JULICH**)

- Task 3.1 Strengthen the operational network of RFO (**JULICH**)  
*incl. D3.8 Report on recent European/regional marine and maritime RDI strategies and update on Member country developments and MS15 1st workshop with RFO and Ministries*
- Task 3.2 Facilitating the ERA community at the level of RPO (**RCN**)
- Task 3.3 Tackle societal challenge through cooperation, engagement with stakeholders, private sector, technology platforms, ... (**CNR**)
- Task 3.4 International cooperation outside EU (**RCN**)  
*incl. D3.1 Proposal for a statement of the 'international role of JPI Oceans' and MS 21 1st workshop with international partners*

**12:15 - 13:00 Lunch**

**13:00** WP 4 Forward-looking activities (**KDM & IFD**)

- Task 4.1 Support activities for the implementation of the SRIA (**KDM**)  
*incl. D4.1 Proposals for 1) foresight supported processes 2) relevant bodies to cooperate with*
- Task 4.2 Process design of updating the SRIA/Plan & Operational Plan (**IFD**)

**14:30** WP 5 Information management and outreach (**VLIZ & IFREMER**)

- Task 5.1 Develop an information management and outreach platform to enable optimal access to data and research results (**VLIZ**)
- Task 5.2 Create specific communication and outreach materials to communicate the JPI Oceans decision making process (**IFREMER**)
- Task 5.3 CSA Oceans 2 project dissemination and outreach (**VLIZ**)
- Task 5.4 Dedicated briefings and biennial JPI Oceans conference (**FCT**)  
*incl. MS33 Second JPI Oceans Conference*

**16:30** WP 1 Coordination (**BELSPO**) & WP 6 Ethics  
Reporting, interaction with JPI Oceans MB, ...

**17:00** End of day



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## REPORT

### **2nd CSA Oceans 2 meeting, Brussels, 9 March 2017 JPI Oceans secretariat, Rue du Trône 130, 1050 Brussels**

David Cox (BELSPO), project coordinator of CSA Oceans 2, chaired the meeting.

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## INTRODUCTION AND WELCOME

David Cox gave the welcome to the participants and thanked the JPI Oceans secretariat for hosting the meeting at their office. He informed about the aim of the meeting: to learn from the partners how the tasks are advancing since the last meeting and what will be done in the future.

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## WP2

### **Task 2.1 Facilitate the development of joint actions to implement the SRIA (BELSPO)**

David Cox (BELSPO) presented the progress and activities of this task.

Only one request has been introduced so far and agreed on. It has permitted to organise the first scoping workshop on 24-25/11/2016 for the action "Ecosystem Goods and Services". A request for the action "Cumulative Effects of Anthropogenic Disturbances" is in preparation and will be submitted soon.

A discussion followed on the implementation process of the actions. For different reasons the development of the actions takes more time than originally expected:

- lack of personnel capacity especially when leading several actions
- time needed for the involved countries to appoint national experts following an open and transparent appointing procedure
- change in JPI Oceans representatives of the lead countries

A proposal was made to organise a workshop with the MB leads on how to animate and exchange experiences on how to take forward actions.

It was also proposed to re-send the guidelines for the CSA Oceans 2 support to the Management Board.

The comment was raised that other tools could be used other than workshops. Workshops are a starting point that should lead to further activities. But workshops are not to be seen as the only tool.

It was also commented that for the organisation of the workshops a good balance of experts with different types of expertise should be found. Therefore it is advised to specify at the nomination stage what type of expertise is needed.

### **Task 2.2 Operationalization of the JPI Oceans toolkit (IFD)**

#### **Task 2.3 Identification and piloting of new tools for alignment of national programmes (IFD)**

Mike St John (IFD) informed by mail that a draft of the deliverable 2.1 "Proposal for procedures involving joint calls with real mix of cash and in-kind contributions" will be provided on Monday to the CSA Oceans 2 partners to comment on.

Comments were raised that the work should also look at what has been done in the frame of the ERA4CS Co-fund with a cash and in-kind call. And that the deliverable should also seek input from RPO's.

The JPI Oceans secretariat has done some work to produce a report on the brokerage event of MarTERA which should also feed into the toolkit.

CNR has produced aswell two reports on joint calls and GPC evaluation for which the toolkit was updated accordingly.

Awareness of the toolkit should be raised, there was a suggestion for a workshop with RPOS also in relation to the deliverable regarding the in-kind aspect.

#### **Task 2.4 Monitoring, evaluation and assessment of actions (MINECO)**

David Gonzalez (MINECO) and Svend Otto Remoe (RCN) gave an update on the progress and activities of this task.

A meeting was held in October between Teo Ramirez, Svend Otto Remoe and Kathrine Angel Hansen to discuss the task. Lourdes Armesto has provided a first draft of the deliverable 2.3 " Report on operational models and procedures for evaluation of policy and structuring actions" but it is still not mature yet. Another revision of it is foreseen for next week.

Much attention has been given to evaluation at theoretical level: ERA learn, GPC working groups. The LFA is the right tool for large public interventions like big programmes but is too complex to deal with the JPI Oceans. The proposed evaluation procedure for JPI Oceans should be practical and cost effective and more linked to the JPI Oceans decision making process.

The evaluation should be made for learning but not for ranking.

David (MINECO) and Svend will work together to finalise the deliverable in the coming weeks.

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### **WP3**

#### **Task 3.1 Strengthen the operational network of RFO (JULICH)**

Ulrich Wolf (JULICH) presented the progress and activities of this task.

Two visits have been undertaken: with the French Ministry on 29 August 2016 and with Spanish Ministry in February 2017. A visit to Portugal is planned for March 2017. Malta has been proposed as a potential country to visit next. In any case the visits are organised on invitation from the Countries/Ministries.

Ulrich Wolf is co-chair of the Joint Working Group of JPI Oceans and BONUS art. 185. The joint group met on 7 February 2017.

Regarding the deliverable 3.2 "Report on recent European/regional marine and maritime RDI strategies and update on Member country developments", a screening has been done of strategies and developments at Intergovernmental, European and regional levels. The focus will not be on national strategies but on the overarching strategies. It was mentioned that this deliverable could serve to update the strategies on the website of JPI Oceans.

The question was raised if countries with no specific marine national strategy are using the JPI Oceans SRIA? Alignment or exchange of practices (expert nomination process, research programmes, ...) were proposed as a possible topics for the first RFO workshop.

#### **Task 3.2 Facilitating the ERA community at the level of RPO (RCN)**

Jacky Wood (RCN) presented the progress and activities of this task.

The aim of this task is to strengthen the cooperation with and between RPOs on agreed topics.

The first workshop was organised in the frame of the calibration network action (lead: Greece) at the SeaTech week in Brest in October 2016. George Petihakis (HCMR) informed that a white paper will be produced as well as three fact sheets for future actions.

There was a proposal to approach the cross-cutting areas of JPI Oceans (capacity building, infrastructures, ...) and ask the MB to appoint key organisations to involve. It is important to create synergies with ongoing initiatives and not duplicate efforts.

The question was raised if ocean literacy is also considered as a cross cutting issue. Originally it was proposed but at the end it was not included in the SRIA. Several projects focus on ocean literacy such as Sea change and AORA has a working group on ocean literacy. JPI Oceans should avoid duplication. Ocean literacy could be included into communication/outreach and impact to society.

### **Task 3.3 Tackle societal challenge through cooperation, engagement with stakeholders, private sector, technology platforms... (CNR)**

Margherita Cappelletto (CNR) presented the progress and activities of this task.

The proposal for a workshop, bringing together JPI Oceans and Technology Platforms, at the EU Maritime days (May, Poole, UK) has been accepted. A detailed proposal needs to be drafted by the end of March. To this end a phone conference with the technology platforms could be envisaged.

It was proposed that the stakeholder list of CSA Oceans 1 could be updated.

Feedbacks were given from the WOC and Biomarine meetings attended by the secretariat.

A position paper needs to be drafted with an agreed approach to industry with pros and cons. The same approach should be taken towards big foundations.

### **Task 3.4 International cooperation outside EU (RCN)**

Jacky Wood (RCN) presented the progress and activities of this task.

The international statement of JPI Oceans (del 3.1) was agreed by MB and is ready to be submitted.

Ulrich Wolf participated in a meeting in India; there was a clear interest of India in being involved in JPI Oceans activities.

The internationalisation should be linked to specific topics. A lot of bilateral agreements already exist but with few content. Training and capacity building might be a vehicle for further international cooperation f.ex. how to build the needed interdisciplinary capacity.

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## **WP4**

### **Task 4.1 Support activities for the implementation of the SRIA (KDM)**

Stefan Fritz (KDM) and Gauvain Wiemer (MARUM) presented the proposal for a foresight activity in the field of technologies (Innovative Integrated Ocean Technologies and their effective usage).

The proposed approach for the foresight exercise:

- visionary
- technology perspective
- effective use of data

Although the visionary approach was appreciated and that the SRIA is taken as the basis. The focus should start from the societal challenges instead of budget cuts. Climate change, sustainable exploitation of marine resources are some of the challenges the MB could be ask to choose from. There was also the fear that the workshop is too technological and will be attending mainly by technologists who will push their own technology. It needs also to include legal aspects, security dimension, ...

The science dimension should also be introduced in the topic. Observation and data alone will not give the needed support to blue growth.

It was also proposed to bring in the EOOS dimension. How each county would contribute to increasing observing capacities.

The foresight should also avoid duplication and look for synergies with on-going initiatives such as the Blue Cloud pilot action or MARTERA.

How to better support ocean governance should be brought in as well.

It was concluded that the partners could sent some further ideas shortly after the meeting and that the proposal for the foresight exercise should take into account the comments given at the meeting, the ideas and

link with challenges from the on-going JPI Oceans actions. A new proposal will be drafted to be presented and decided by the Management Board.

#### **Task 4.2 Process design of updating the SRIA/IPlan & Operational Plan (IFD)**

Nothing to present yet.

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#### **WP5**

**Task 5.1 Develop an information management and outreach platform to enable optimal access to data and research results (VLIZ)**

**Task 5.2 Create specific communication and outreach materials to communicate the JPI Oceans decision making process (IFREMER)**

**Task 5.3 CSA Oceans 2 project dissemination and outreach (VLIZ)**

Willem De Moor (VLIZ) presented the progress and activities of these tasks.

He presented the developed information management system which is now online at <http://www.jpi-oceans.eu/search-joint-actions-and-projects>

New communication and outreach materials were created.

#### **Task 5.4 Dedicated briefings and biennial JPI Oceans conference (FCT)**

Willem De Moor (VLIZ) and Marta Norton (FCT) presented the progress and activities of this task.

3 dedicated briefings are foreseen. The first was already held in relation to the ISA meeting in July 2016. The other briefings haven't been planned yet.

The 2nd JPI Oceans Conference will be organised on 26th October in Lisbon. It will be preceded on 24th October by an ExCom meeting (AM) and Management Board meeting (PM) and on 25 October by a full day Management Board meeting and side event (eg. visit of the aquarium) followed by a networking reception for all conference participants. And on 27 October there will be a mid-term review meeting of the microplastics projects.

It was proposed to have some exhibition alongside to the conference (sea change, plastic exhibition, ...). Some comments were raised regarding the programme of the conference: the sessions should show impact of the actions and JPI Oceans also in terms of alignment, leverage effect, how the landscape has changed, what barriers have been addressed. There should also be a balance of countries, including Norway. There should be a synthesis and concluding session including also the future prospects of JPI Oceans.

The conference should be the opportunity to show the need for further support of the JPI initiative.

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#### **WP1 & WP6**

David Cox (BELSPO) presented the coordination & management and ethics Work Packages.

Next MB meeting is set to be on 29 March, the deadline for any papers to be sent out to the MB is 13/3 (foresight and conference).

A next MB meeting might be organised in June 2017.

David reminded the partners to deliver the 6 month activity report.

The 18 Month report is foreseen for August 2017. The guidelines for it will be sent out to the partners well in advance.

David reminded the partners also to provide the deliverables on time.

The deliverable on ethics is being prepared.  
It was proposed to include something on ethics in the toolkit.

Next meeting of CSA Oceans 2 consortium is set to be on 1st of June before the summer to prepare the 18 month report and alongside the next MB in June.

AOB

Katherine asked if the CSA Oceans 2 partners could contribute in preparing a response to the questionnaire of the EC on food and nutrition security. CEFAS, MINECO, RCN and IFD were willing to contribute.

## List of participants



### CSA Oceans 2

Coordination action in support of the implementation of the  
Joint Programming Initiative on 'Healthy and Productive Seas and Oceans'

### CSA Oceans 2 Committee meeting JPI Oceans secretariat

9 March 2017

#### List of participants

Surname	Name	Organisation	Signature
Angell-Hansen	Katherine	RCN	
Cappelletto	Margherita	CNR	
Conesa-Alcolea	Ivan	EC	
Costi	Mercedes	MINECO	
Cox	David	BELSP0	
De Moor	Willem	VLIZ	
Fritz	Jan-Stefan	KDM	
Gonzalez	David	MINECO	
Hanus	John	KDM	
Hyder	Kieran	CEFAS/DEFRA	
Knut Brudevoll	Anders	RCN	
Lisberg	Dennis	IFD	
Moretti	Pier Francesco	CNR	
Petihakis	George	HCMR	
Norton	Marta	FCT	
Redd	Thomas	RCN	
Remøe	Svend Otto	RCN	
Sergent	Sophie	IFREMER	
Thorud	Kristin	RCN	
Wiemer	Gauvain	MARUM/UniBremen	
Wolf	Ulrich	JULICH	
Wood	Jacqueline	RCN	

## ANNEX 2: MEETING REPORT OF THE CSA OCEANS 2 STEERING BOARD

Following reports of the CSA Oceans 2 Steering Board meetings are the relevant extracts from the reports of the JPI Oceans Management Board meetings.

### REPORT MEETING 21/4/2016

#### CSA OCEANS 2

The Chair handed the floor to David Cox, coordinator of CSA Oceans 2 project. On this agenda point the Management Board was acting as the Steering Board of CSA Oceans 2. A brief overview of the project and its activities were presented and the Management Board was asked to make decisions on a number of points.

A proposal was made to evenly distribute 140,000 Euro to support fourteen joint actions. In kind resources and personnel can be used as support from CSA Oceans 2, but the lead and participating countries are also expected to bring resources to the action.

CSA Oceans 2 will propose a procedure for evaluating policy and structuring actions. The task leader, Mineco, plans to conduct a consultation on practices on this and hold a workshop back-to-back with a Management Board meeting. Networking events are envisaged with Ministries and funding agencies, research performing organisations (RFO), industry, and international countries and organisations. This will include missions in different Member countries and potential Member countries of JPI Oceans. At this meeting no Management Board member asked for such a meeting in their country. The first RFO workshop, this summer, is planned to focus on calibrating marine observations; the Management Board advised that CSA Oceans should look into existing work to avoid duplication in this area. It was also suggested that CSA Oceans could also conduct an event alongside the International Training School on Blue Growth in July. There were no suggestions for industry events, but it was considered useful to scope events in the next 18 months to avoid ad hoc decisions being made; this would enable more targeted engagement. It was agreed that CSA Oceans 2 would map relevant industry events. CSA Oceans plans to develop a statement on the role of JPI Oceans in the international cooperation and identify the best partners to cooperate with. A draft statement will be presented in the November Management Board meeting. There are several proposals for international meetings.

CSA Oceans can support the joint actions with thematic foresight. So far there is a suggestion to conduct an exercise on technologies in relation to the Cofund on technologies. The Management Board will be informed on how this will be taken forward.

The second JPI Oceans conference is proposed to take place between April and June 2017, avoiding other major marine/maritime events. The conference will be organised in Portugal by the task leader FCT. It has been suggested that other meetings relating to JPI Oceans actions could take place around the conference. Management Board members endorsed the conference and will be consulted in developing the agenda of the conference. The conference will be an opportunity to demonstrate the steps taken by JPI Oceans on implementation.

### OPERATIONAL PLAN

#### CSA SUPPORT

David Cox, as coordinator of the CSA Oceans 2 project, presented the procedure by which countries leading actions can request support from the project to take the action forward.

- The Management Board in their capacity as a steering committee agreed that CSA Oceans 2 should host a 2nd conference to be focused on reporting on the implementation of JPI Oceans actions and achievements. The coordinator and the Commission agreed that the planned conference should preferably be held in Autumn 2017 to ensure that JPI Oceans can showcase tangible deliverables. David Cox in his capacity as coordinator of CSA Oceans 2 informed the Management Board that the project could help facilitate for the member countries to take actions forward.
- A key criteria for providing support is to explain how the CSA support fits in the overall action to take it forward which in relations to facilitating taking actions forward will also in most cases require investments from the member countries. A report on the use by each of the activities will be required and needs to be clearly articulated in the reporting of the lead countries in each case as it will form the basis for the reporting to the Commission.
- The Management Board in their capacity as steering committee to the CSA Oceans 2 made a number of conclusions in relation to the operational plan covered in the points below.

#### Marine Spatial Planning

- It was agreed that **CSA Oceans 2** will be used to partly support a workshop in Sept/Oct 2016 with in-kind contributions from member countries. This workshop will address how to do MSP with science and technology in an efficient way.

#### Cumulative Effects of Anthropogenic Disturbances

- It was agreed that **CSA Oceans 2** will be used to facilitate the next steps by partly supporting a workshop in autumn 2016 which will develop a prioritised list of research needs and potential projects.

#### Integrated Assessment of New pollutants

- It was agreed that the **CSA Oceans 2** will be used to partly support an expert workshop in autumn 2016 (potentially week of 10-14 October) addressing this, as well as the lack of data for effect-based assessment systems in general and target matrices e.g. sediment and biota. The event would be followed by a meeting of potential funders with the anticipated next step being to prepare for a call.

#### Ecosystem goods and services

- It was agreed that **CSA Oceans 2** will be used to partly support a workshop on 24-25 November 2016 and there will be a meeting of the lead countries in early September.

#### Calibration Network

- The proposal to host a workshop alongside Seatech 2016 in 10 -14 October 2016, supported by CSA Oceans 2 (WP3 networking), was agreed.

[no support of CSA Oceans 2 was requested for the other actions of JPI Oceans]

### CSA OCEANS 2

#### INFORMATION MANAGEMENT

Tom Redd (CSA Oceans 2) presented the development of an information management system for JPI Oceans, specifically the Operational Plan. The Board asked CSA Oceans 2 to consider how sensitive information will be kept private in the public version. A beta version will be presented to the Board at the next meeting.

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## CONFERENCE

Willem de Moor (CSA Oceans 2) presented the development of the second JPI Oceans' conference. The Board agreed to move the conference to autumn 2017 and to focus on the impact of JPI Oceans. It was seen as important to find a date that avoids other known events. The Commission agreed that it would be worth waiting until autumn and advised CSA Oceans 2 to avoid the September and the beginning of October.

The Management Board was asked to contact Willem and David Cox if they would like to be involved in a conference planning working group. It will be important to think about who to invite, noting that this may be different to the first conference.

## REPORT MEETING 5/10/2016

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### CSA OCEANS 2 UPDATE

David Cox, coordinator of CSA Oceans 2, gave an update on activities in the project. The Board was reminded that CSA Oceans 2 will organize the 2nd JPI Oceans conference on 26 October 2017. The Board previously agreed that it should be a conference to showcase JPI Oceans' activities but there is also a proposal from the CSA to invite high level speakers such as Nobel Prize laureates to exchange in a cross-disciplinary dialog on how to address ocean challenges and opportunities. The Management Board agreed that the CSA should pursue this and consider the cost implications.

#### International Statement

Work Package 3 in the CSA Oceans project is developing an 'international statement' which will propose the objectives and ambition for JPI Oceans internationally and make proposals for where international collaboration would be most beneficial. The draft document will be first circulated within the CSA and then sent to the Board before the December meeting.

The Board was informed that the Belmont Forum is at end of October meeting to discuss potential calls on Transdisciplinary Research for Ocean Sustainability along with the Future Earth Programme. Lisa Almesjö (SW) will be attending that meeting and agreed to also convey what JPI Oceans is doing.

## REPORT MEETING 12-13/12/2016

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### 5. CSA OCEANS 2- STEERING COMMITTEE

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#### 5.2. WP2- EFFICIENT IMPLEMENTATION OF JPI OCEANS ACTIONS

In June 2016 it was agreed that CSA Oceans 2 would support 5 actions, but to date only 1 action has formally requested support. It was noted that CSA Oceans 2 can support internal workshops, not only expert workshops. The updating of the toolkit is underway, with a proposal to meet with the lead countries of the actions to find out which tools are needed. In the meantime, there have been three proposed new tools which are being



investigated, including the Strategic Forum for International Science and Technology Cooperation (SFIC) for international collaboration, emergency panel, and brokerage events to involve industry. In January there will be a first draft of the monitoring of joint actions.

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#### 5.3. WP3- CONNECTIVITY TO SUPPORT IMPLEMENTATION

A draft international statement for JPI Oceans was tabled to the Board who were encouraged to provide comments to CSA Oceans 2 by end January 2017 to further develop the paper which is a formal CSA Oceans 2 deliverable and will therefore be published in part. Action MB members and CSA partner RCN.

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#### 5.4. WP4- FORWARD-LOOKING ACTIVITIES

There is a proposal to develop a thematic foresight on technologies, which was discussed at the previous MB meeting, specifically what technologies would bring about a step change in using and managing the oceans. Partners were advised that the scope of this foresight should be expanded to include observing the oceans. It would be important also to avoid duplication of the planned OECD action in relation to ocean observing.

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#### 5.5. WP5- COMMUNICATION

The date for the 2<sup>nd</sup> JPI Oceans conference is 26 October 2017, in Lisbon. There are several events running alongside the conference, including a Management board meeting. The Management Board were invited to save the dates and to provide comments to CSA Oceans 2 partners in writing on the proposed agenda.



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 696324