



2021  
2030 United Nations Decade  
of Ocean Science  
for Sustainable Development

Kick Off meeting for working group members

# Ocean Decade Arctic regional process

22. October 2020

Hosted by Danish Center for Marine Research  
*Colin Stedmon & Christian Riisager-Simonsen*

# Welcome to all

This meeting gathers > 400 stakeholders from across the Arctic and beyond:

- Academia and industry
- Governmental and non-governmental
- Indigenous and adventitious representatives
- Local, regional and international organisations
- Early to late career



***Thank you to all*** who have decided to ***contribute their time to this process***

# Purpose of kick off meeting

Provide all WG members with:

1. A clear idea of the scope of the Ocean Decade, and the Arctic regional process
2. Understand the role of the working groups, and how to contribute



# Agenda

- WELCOME and purpose of meeting (5 min)
  - Colin Stedmon - Centre Leader at Danish Centre for Marine Research
- What is the Ocean Decade and where are we in the process (15 min)
  - Henrik Enevoldsen - Danish representative in IOC UNESCO
- The motivation for a regional Arctic process (10 min)
  - Colin Stedmon - Centre Leader at Danish Centre for Marine Research
- The plan for the Arctic regional process (15 min)
  - Christian Riisager-Simonsen - Coordinator at Danish Centre for Marine Research
- Questions (15 min)
  - Colin & Christian - Danish Centre for Marine Research



**2021**  
**2030** Décennie des Nations Unies  
pour les sciences océaniques  
au service du développement durable

**Joint Kick off meeting for the Working Groups**  
**October 22, 2020**

# Agenda

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- Decade Vision, Mission & Outcomes
- Decade Action Framework
- Decade Implementation
- Next steps



# Decade Vision & Mission

“

*Vision*

***The science we need for the ocean we want***

\*\*\*

*Mission*

***Transformative ocean science solutions for sustainable development, connecting people and our ocean.***



The Decade, both in terms of action and outcomes, needs to move beyond business as usual to a true revolution in ocean science

**The transformative nature of the Decade will promote and facilitate Ocean Science that:**

- Uses the 2030 Agenda as a central framework to identify and address the most pressing societal questions;
- Spans across disciplines and actively integrates natural and social science disciplines;
- Embraces local and indigenous knowledge as a key knowledge system;
- Communicates in forms that is widely understood across society and triggers behavior change
- Is shared openly and available for re-use
- Strives for generational, gender and geographic diversity and inclusion in all its manifestations.
- Is co-designed and co-delivered in a multi-stakeholder environment to be relevant and responsive across the entire value chain;



# Developing the Implementation Plan for the Ocean Decade



- Global Planning Meeting in May 2019 with > 200 participants
  - 11 regional planning workshops with > 1900 attendees
  - ECOP Informal Working Group created
  - Three meetings of UN-Oceans contact group
  - Ocean Literacy & UN agencies Data Management thematic meetings
  - Ongoing engagement of Executive Planning Group
  - Virtual sessions presenting zero draft of Implementation Plan to > 600 people
  - Peer review of zero draft of Implementation Plan => 228 written submissions including 42 from IOC Member States
  - IOC Member State and UN agency review of Version 1.0 of Implementation Plan => 44 written submissions from IOC Member States & 7 from UN agencies
- **This process resulted in Version 2.0 of the draft Implementation Plan**

# Decade Action Framework

2030 AGENDA & REGIONAL AND GLOBAL POLICY FRAMEWORKS

↕  
DECADE OUTCOMES

“THE OCEAN WE WANT”

↕

  
**OCEAN DECADE CHALLENGES**

## OCEAN DECADE CHALLENGES

The most immediate and pressing needs of the Decade, Challenges may evolve throughout the Decade and new Challenges will be added. Each Challenge contributes to one or more Decade outcomes.

  
**DECADE OBJECTIVES**

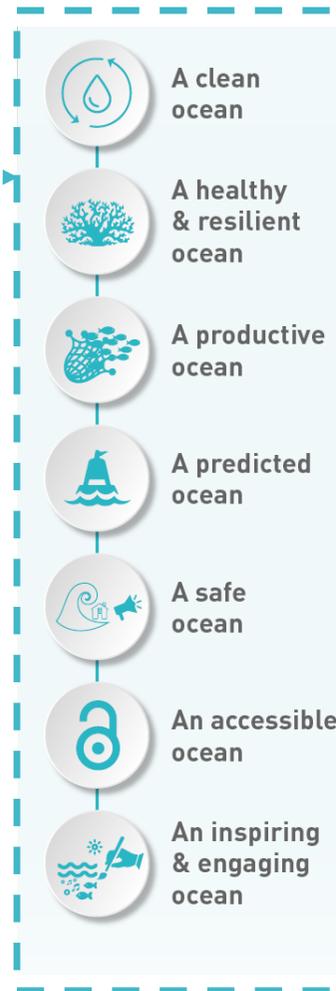
## DECADE OBJECTIVES

The steps in the process from the ocean we have to the ocean we want. Objectives are relevant to all Challenges. Prioritisation and translation of objectives into Actions will vary depending on context.

  
**DECADE ACTIONS**

## DECADE ACTIONS

The tangible initiatives and endeavours that will be implemented by a wide range of Decade stakeholders to fulfil the objectives and thus achieve the Challenges.



# Ocean Decade Challenges

“  
*Challenges will evolve over the life of the Decade.*”



Address land and sea-based sources of pollutants and contaminants.



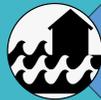
Protect, monitor, manage and restore ecosystems under multiple stressors



Optimise the role of the ocean to sustainably feed the world's population.



Contribute to equitable and sustainable development of the ocean economy.



Understand the ocean-climate nexus, build resilience and improve predictions and forecasts.



Expand multi-hazard warning systems and mainstream community preparedness and resilience.



Ensure a sustainable ocean observing system that delivers timely data and across all ocean basins.



Develop a comprehensive digital representation of the ocean.



Ensure comprehensive capacity development and equitable access to data, information, knowledge and technology.



Identify and overcome barriers to the behaviour change that is required for a step change in humanity's relationship with the ocean.

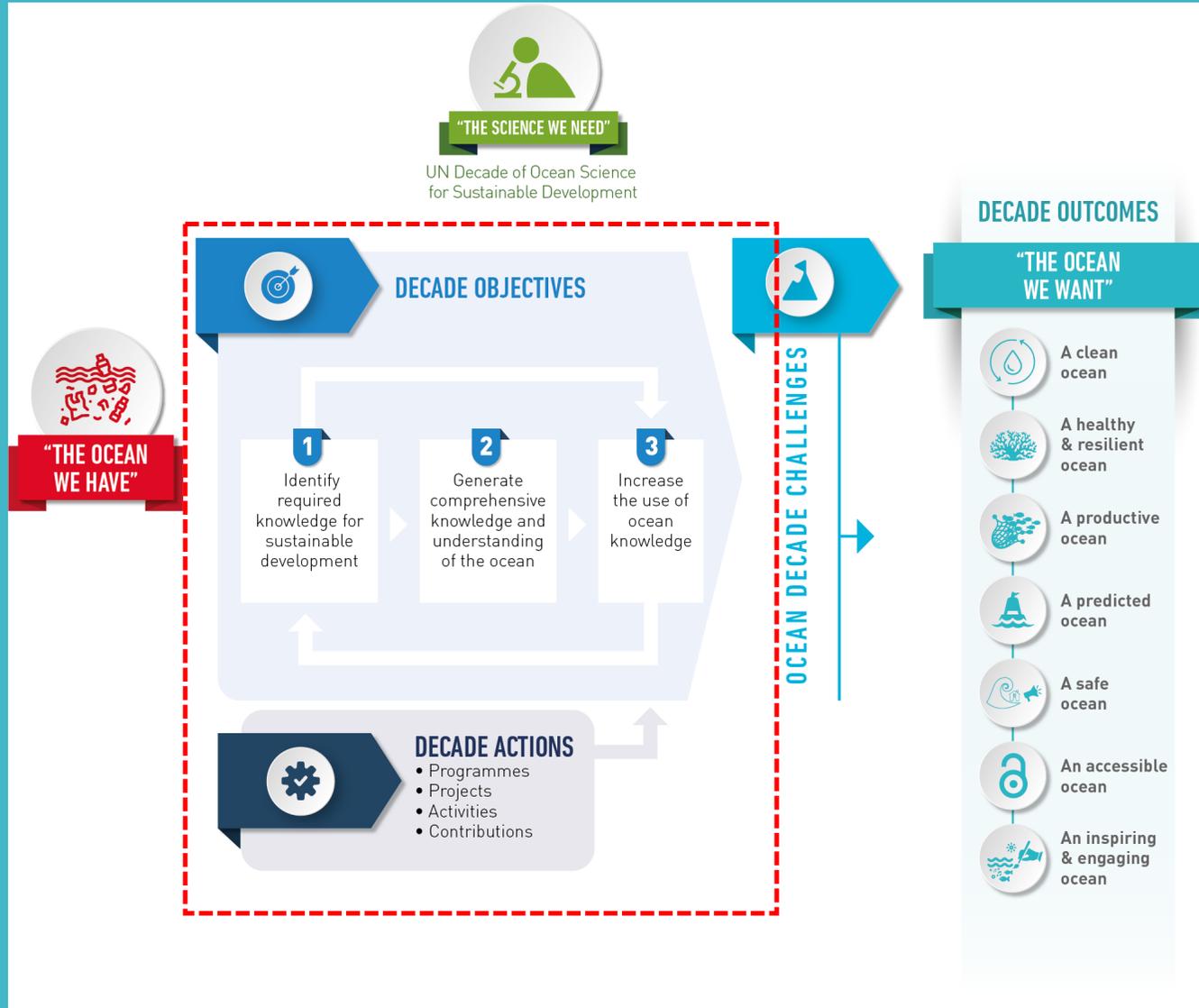


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# Objectives and Actions of the Ocean Decade



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# Data, Information & Knowledge Management



The Decade aims to create ‘*a shared digital ecosystem of the ocean*’ that links knowledge generators to users.

The Decade promotes a set of common and best practices for data management:

- Embrace a culture of timely, free and open access, use, and re-use of data, information and knowledge.
- Interlink resources that are quality controlled and traceable.
- Create new opportunities for participation of all ocean science actors including industry and local and indigenous knowledge holders.
- Respond to user needs through proactive engagement and co-development.
- Be capable of being used and contributed to by a wide range of stakeholders, including those in low-technology environments.
- Promote interoperability across scales and across systems.
- Build on existing systems and avoid massive new infrastructure investments.

# Capacity Development

To meet the challenge presented by the Decade, capacity development will:

- Be an integral part of each Decade Action.
- Be needs driven with investment in tools that can match the demand for capacity development to different opportunities.
- Be developed to respond to regional and national priorities
- Privilege long-term partnerships that build on existing resources and networks
- Include a focus on mechanisms to accelerate the use of knowledge
- Target both scientists and users of science.
- Recognise and engage local and indigenous knowledge holders
- Identify and overcome barriers to gender, geographical, and generational balance.



# Hierarchy of Decade Actions

## Decade Programme

- Global or regional in scale
- Contribute to one or more of the Decade Challenges.
- Long-term (multi-year), interdisciplinary and typically multi-national.
- Includes component projects, and enabling activities.

## Decade Project

- Discrete and focused undertaking of a shorter duration.
- Will typically contribute to an identified Decade programme

## Decade Activity

- Typically a one-off standalone activity
- Can form part of a programme or project or can relate directly to a Decade Challenge or an outcome.

## Decade Contribution

- Supports the Decade through provision of a necessary in-kind or financial resource.
- Can be either for costs related to the implementation of a Decade Action or for coordination costs.

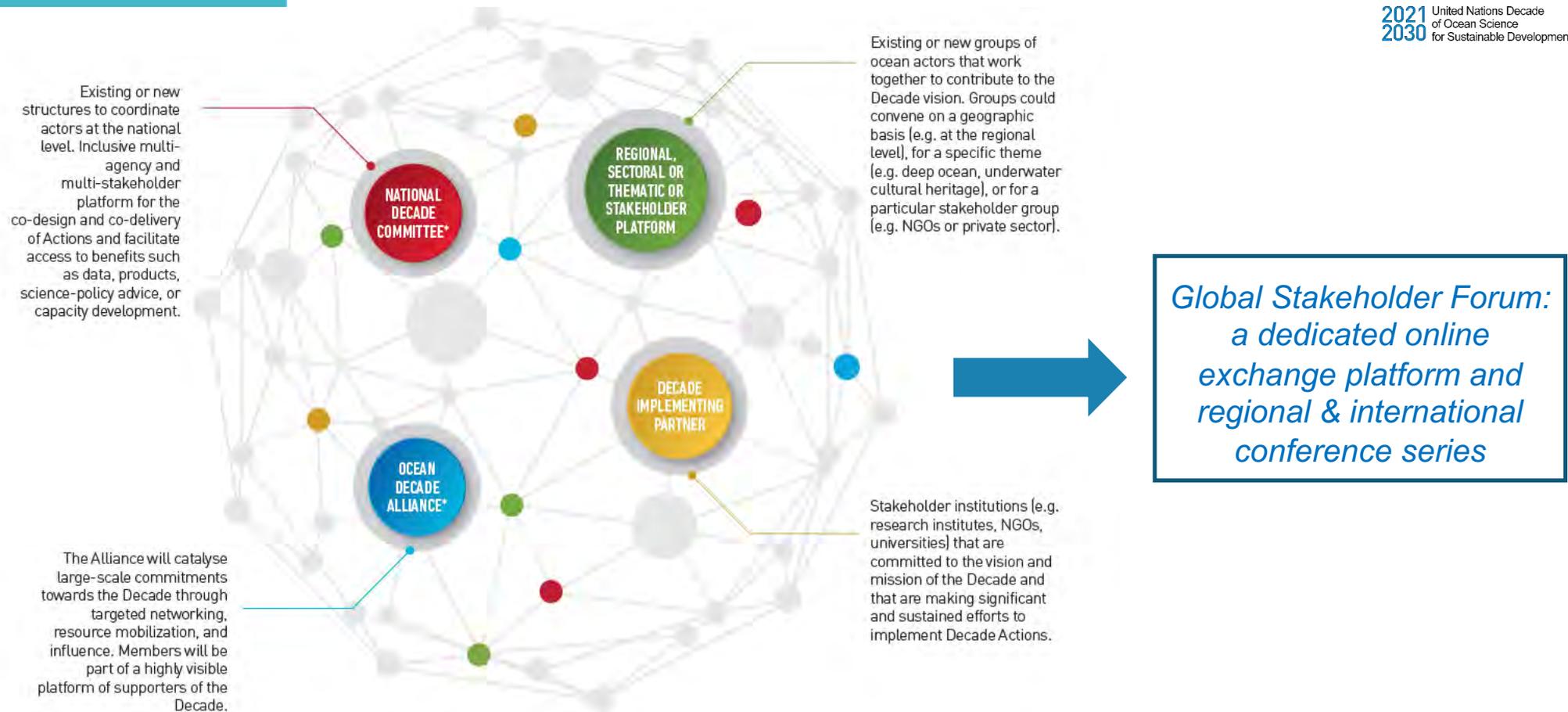
# Criteria for Endorsement of Decade Actions

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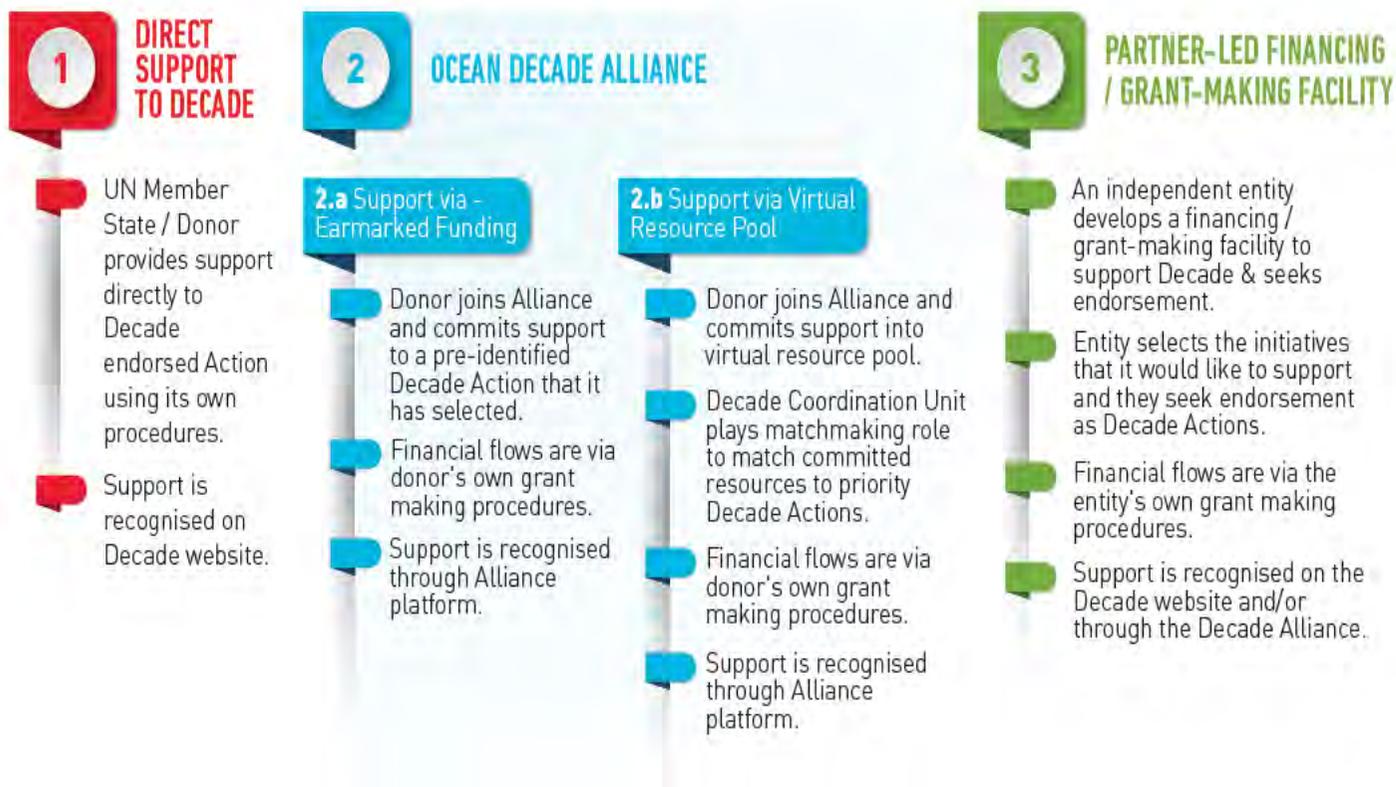


1. Contribute to the Ocean Decade Challenges and align with Decade objectives.
2. Accelerate the generation or use of knowledge of the ocean, with a focus on the SDGs and complementary policy frameworks
3. Are co-designed or co-delivered by knowledge generators and users, and thus facilitate the uptake of science
4. Ensure that all data and resulting knowledge are provided in an open access, shared, discoverable manner and are appropriately deposited in recognized data repositories.
5. Strengthen existing or create new partnerships
6. Contribute toward capacity development, including, but not limited to, beneficiaries in SIDS, LDCs and LLDCs.
7. Overcome barriers to diversity and equity, including gender, generational, and geographic diversity.
8. Engage local and indigenous knowledge holders.

# Stakeholder Engagement



# Resource Mobilisation



“

*The Decade is not a funding mechanism. No one agency will control all resources.*

## Next steps & key milestones



- **September to December 2020:** Negotiation of omnibus resolution by United Nations General Assembly including Implementation Plan
- **15<sup>th</sup> October 2020:** Launch of first “Call for Action” for Decade programmes and contributions
- **Early December 2020:** High-level supporters event including pre-launch of the Ocean Decade Alliance (possibly in line with Our Ocean Conference)
- **1 January 2021:** Decade starts
- **January – July 2021:** Progressive roll-out of Stakeholder Engagement Mechanisms
- **March – April 2021:** Decisions on first group of endorsed Decade Actions (programmes and contributions)
- **31 May – 2 June 2021:** First International Ocean Decade Conference, Berlin
- **?? 2021:** 2021 UN Ocean Conference, Lisbon

**First call for  
action was launched  
October, 15<sup>th</sup> 2020!**

**Sign-up on  
[www.oceandecade.org](http://www.oceandecade.org) to  
be on the mailing list for  
updates.**



2021 United Nations Decade  
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## THE OCEAN DECADE VIRTUAL SERIES

29 Oct 2020  
15.00-17.00 (CET)

### Co-designing the Ocean Science we need for Polar regions





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2030 of Ocean Science  
for Sustainable Development

**THANK YOU**





Colin Stedmon DCMR

# The motivation for an Arctic regional process


 United Nations Decade of Ocean Science for Sustainable Development  

 The Research Council of Norway  


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# Arctic Ocean Decade Workshop: Policy-Business-Science-Dialogue

Full report from Tromsø, Norway, 29 January 2020

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Inputs to the planning of UN Decade of Ocean Science for Sustainable Development (2021-2030)







## REGIONAL ARCTIC OCEAN DECADE WORKSHOP

29 April - 1 May 2020  
Copenhagen, Denmark

The Regional Arctic Ocean Decade Workshop held in Copenhagen (Denmark) from 29 April to 1 May, is part of a global consultation process in the preparation of the UN Ocean Decade, where the focus is the Arctic.

It offers an opportunity to discuss, prioritize and formulate proposals for Arctic initiatives to be framed under the Decade. The workshop is hosted by the Danish Center for Marine Research in collaboration with UNESCO's IOC.

The Arctic deserves special focus as the region is currently experiencing rapid change. This is mainly due to changes in physical and chemical conditions, as well as ecosystems and the distribution of species.

This workshop will provide outputs aligned with the five regional planning workshops, defined as part of the consultation phase of the Ocean Decade. It will identify how business, policy and science can work together on Arctic issues, focusing on:

- Identifying knowledge gaps and Arctic ocean science priorities for the 2030 Agenda
- Defining possible common regional ocean policy priorities
- Leveraging existing Arctic partnerships/networks/initiatives and identifying those lacking
- Involving local and indigenous communities and knowledge, and contributing to further development of regional ocean literacy
- Selecting priority themes and topics to be addressed by the Decade from a sustainable development perspective

Keep updated about the Regional Arctic Ocean Decade Planning Workshop here  
[www.oceandecade.dk](http://www.oceandecade.dk)



See [oceandecade.dk](http://oceandecade.dk) for a copy of the report

# Arctic challenges and opportunities

## CHALLENGE

The Arctic is experiencing rapid change which is impacting both local and global communities, value chains, governance, nature and climate

## OPPORTUNITY – The Ocean Decade

To harvest the momentum of the Ocean Decade to put spotlight on the needs of the Arctic and collaborate towards solutions

For this we need a specific Arctic regional Action Plan to ensure alignment and positioning of the region

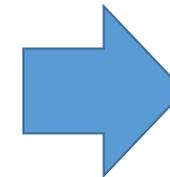
- Providing a unifying framework which integrates existing Arctic strategies and priorities, and identifies missing elements
- Offering a guiding document for Arctic marine research, innovation and development activities during the Decade
- Ensuring that the Arctic region can both benefit from and contribute to the Ocean Decade
- Accelerate relevant current international efforts and encourage new collaborations



# Overarching aim

1. **Translate** the Global Ocean Decade to an Arctic context, so it becomes relevant for the region
2. Identify what the **challenges** are for achieving the societal outcomes in the Arctic (e.g. safe, clean, productive oceans etc.)
3. **Argue** which high priority real world **crosscutting actions**, should be prioritised (including those which are already ongoing) to address those challenges
4. **Describe** what those actions could include, who should contribute, how, when etc. if possible and present them to the world.

## Arctic Action Plan



# Relevance

- In the coming years funding organisations are aligning with the goals of the Ocean Decade.
  - E.g. The coming (multi billion Euro) EU Horizon Europe R&I programme. Drafts of the work programme states that “R&I activities relevant to oceans, seas and coastal waters will be framed under the UN Decade of Ocean Science for Sustainable Development”
- See the current call for endorsement of actions (mentioned earlier). There will be more rounds and these endorsements will be important.
- Important to ensure topics essential for the Arctic are clearly visible in the Decade and can be referenced to

# A note on regional scope

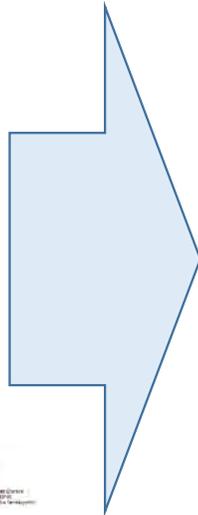


# Who is behind?

## The International Task Force

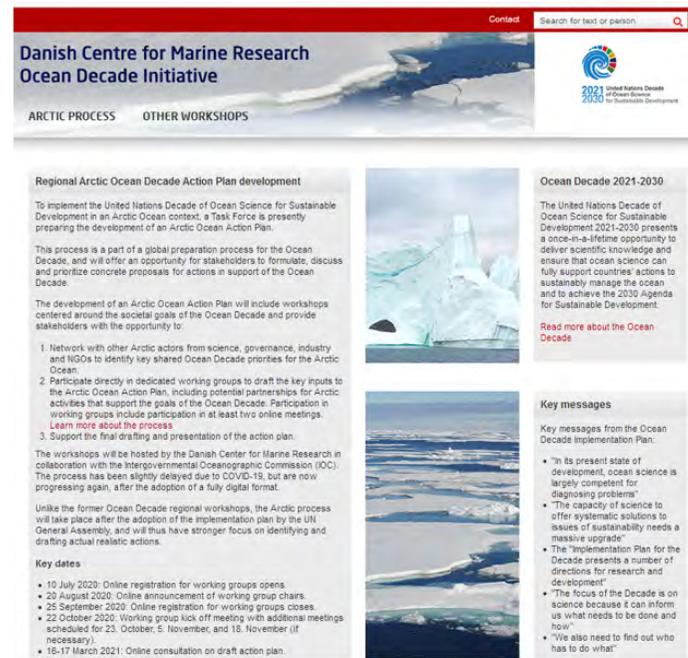
Role = Int. advis. committee and review panel

- **AMAP** (Arctic Monitoring and Assessment Programme). Represented by Jan Rene Larsen / Craig Lee
- **ArcticNet** (Canadian Network of Centres of Excellence). Represented by Jackie Dawson
- **AOOS** (Alaska Ocean Observing System). Represented by Molly McCammon
- **APECS** (Association of Polar Early Career Scientists). Represented by Anna Gebruk
- **DCMR** (Danish Centre for Marine Research) who organizes and lead the process. Represented by Colin Stedmon, Steffen Olsen, Karen Edelvang and Christian Riisager-Simonsen
- **DPS** (Danish Polar Secretariat at the Agency for Science and Higher Education), Represented by Frej Sorento Dichmann
- **IASC** (International Arctic Science Committee). Represented by Lee Cooper
- **ICES** (International Council for the Exploration of the Seas) represented by Julie Kellner
- **IMO** (International Maritime Organization). Represented by Sascha Pristrom Goal-based-Standards (GBS) Implementation Officer in the Maritime Safety Division, and Loukas Kontogiannis head of marine pollution in the Marine Environment Protection Division
- **IOC UNESCO**, who plans the Ocean Decade. Represented by Henrik Enevoldsen and Marie-Elaine Boivin
- **Kawerak Marine Program**, who works better inclusion of Indigenous priorities. Represented by Austin Ahmasuk and Adelaine M. Ahmasuk
- **PAME** (Protection of the Arctic Marine Environment Working Group, Arctic Council). Represented by Paula Kankaanpää
- **Research Council of Norway**, who organized the preparatory "Arctic Ocean Decade Policy-Business-Science-Dialogue" in Troms January 2020. Represented by Jon L. Fuglestad



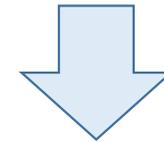
## The Danish Center for Marine Research (DCMR)

Role = organisers and coordinators of the Arctic process



The screenshot shows the website for the Danish Centre for Marine Research Ocean Decade Initiative. It features a search bar, navigation tabs for 'ARCTIC PROCESS' and 'OTHER WORKSHOPS', and several content blocks including 'Regional Arctic Ocean Decade Action Plan development', 'Ocean Decade 2021-2030', and 'Key messages'. The website also includes images of Arctic ice and a small logo for the United Nations Decade of Ocean Science for Sustainable Development.

## DCMR Board



## DCMR secretariat



**Colin Stedmon**

DCMR leader and professor at DTU Aqua



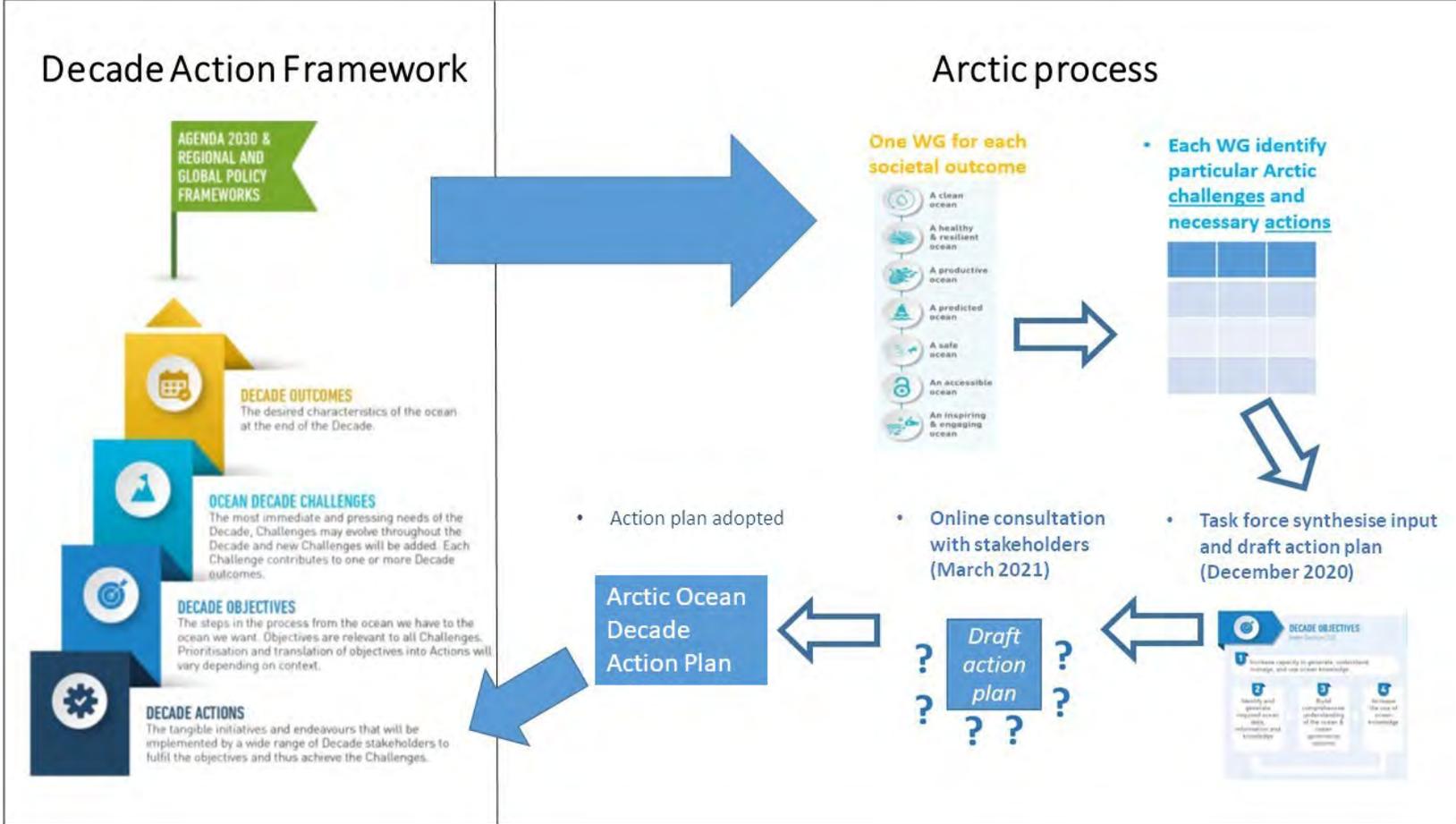
**Christian R-S**

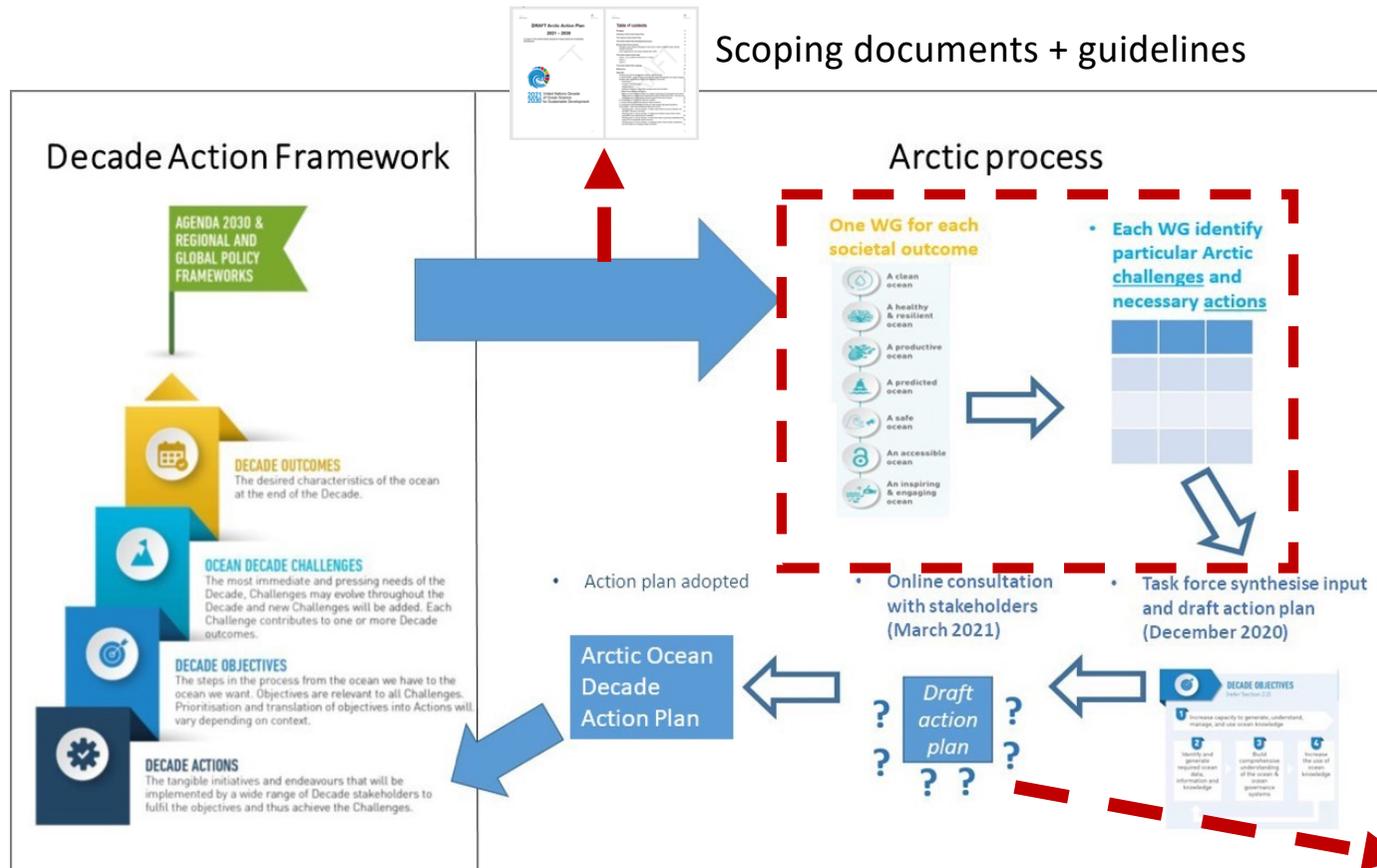
DCMR and DTU Aqua coordinator (res. & policy)



Christian Riisager-Simonsen DCMR

## The plan for the Arctic regional process - bringing the Decade to the Arctic





DRAFT Arctic Action Plan 2021 - 2030	Table of contents
 United Nations Decade of Ocean Science for Sustainable Development	
Contents <ul style="list-style-type: none"> <li>1. Introduction</li> <li>2. Purpose and scope</li> <li>3. The Decade for Implementation</li> <li>4. The Decade for Implementation</li> <li>5. The Decade for Implementation</li> <li>6. The Decade for Implementation</li> <li>7. The Decade for Implementation</li> <li>8. The Decade for Implementation</li> <li>9. The Decade for Implementation</li> <li>10. The Decade for Implementation</li> <li>11. The Decade for Implementation</li> <li>12. The Decade for Implementation</li> <li>13. The Decade for Implementation</li> <li>14. The Decade for Implementation</li> <li>15. The Decade for Implementation</li> <li>16. The Decade for Implementation</li> <li>17. The Decade for Implementation</li> <li>18. The Decade for Implementation</li> <li>19. The Decade for Implementation</li> <li>20. The Decade for Implementation</li> <li>21. The Decade for Implementation</li> <li>22. The Decade for Implementation</li> <li>23. The Decade for Implementation</li> <li>24. The Decade for Implementation</li> <li>25. The Decade for Implementation</li> <li>26. The Decade for Implementation</li> <li>27. The Decade for Implementation</li> <li>28. The Decade for Implementation</li> <li>29. The Decade for Implementation</li> <li>30. The Decade for Implementation</li> <li>31. The Decade for Implementation</li> <li>32. The Decade for Implementation</li> <li>33. The Decade for Implementation</li> <li>34. The Decade for Implementation</li> <li>35. The Decade for Implementation</li> <li>36. The Decade for Implementation</li> <li>37. The Decade for Implementation</li> <li>38. The Decade for Implementation</li> <li>39. The Decade for Implementation</li> <li>40. The Decade for Implementation</li> <li>41. The Decade for Implementation</li> <li>42. The Decade for Implementation</li> <li>43. The Decade for Implementation</li> <li>44. The Decade for Implementation</li> <li>45. The Decade for Implementation</li> <li>46. The Decade for Implementation</li> <li>47. The Decade for Implementation</li> <li>48. The Decade for Implementation</li> <li>49. The Decade for Implementation</li> <li>50. The Decade for Implementation</li> <li>51. The Decade for Implementation</li> <li>52. The Decade for Implementation</li> <li>53. The Decade for Implementation</li> <li>54. The Decade for Implementation</li> <li>55. The Decade for Implementation</li> <li>56. The Decade for Implementation</li> <li>57. The Decade for Implementation</li> <li>58. The Decade for Implementation</li> <li>59. The Decade for Implementation</li> <li>60. The Decade for Implementation</li> <li>61. The Decade for Implementation</li> <li>62. The Decade for Implementation</li> <li>63. The Decade for Implementation</li> <li>64. The Decade for Implementation</li> <li>65. The Decade for Implementation</li> <li>66. The Decade for Implementation</li> <li>67. The Decade for Implementation</li> <li>68. The Decade for Implementation</li> <li>69. The Decade for Implementation</li> <li>70. The Decade for Implementation</li> <li>71. The Decade for Implementation</li> <li>72. The Decade for Implementation</li> <li>73. The Decade for Implementation</li> <li>74. The Decade for Implementation</li> <li>75. The Decade for Implementation</li> <li>76. The Decade for Implementation</li> <li>77. The Decade for Implementation</li> <li>78. The Decade for Implementation</li> <li>79. The Decade for Implementation</li> <li>80. The Decade for Implementation</li> <li>81. The Decade for Implementation</li> <li>82. The Decade for Implementation</li> <li>83. The Decade for Implementation</li> <li>84. The Decade for Implementation</li> <li>85. The Decade for Implementation</li> <li>86. The Decade for Implementation</li> <li>87. The Decade for Implementation</li> <li>88. The Decade for Implementation</li> <li>89. The Decade for Implementation</li> <li>90. The Decade for Implementation</li> <li>91. The Decade for Implementation</li> <li>92. The Decade for Implementation</li> <li>93. The Decade for Implementation</li> <li>94. The Decade for Implementation</li> <li>95. The Decade for Implementation</li> <li>96. The Decade for Implementation</li> <li>97. The Decade for Implementation</li> <li>98. The Decade for Implementation</li> <li>99. The Decade for Implementation</li> <li>100. The Decade for Implementation</li> </ul>	



# Detailed plan for working groups

## Time schedule for meetings

Meeting	Date	Time (GMT)	Theme
Preparatory meeting – <b>only for the chairs</b> in the working groups (WG)	01 Oct 2020	15:00-16:00	Introduction to the process and the role of the WG chairs
Joint KICK OFF meeting for the working groups – <b>all participants</b>	22 Oct 2020	15:00-16:00	Introduction to the process, ambitions and expectations
1st WG meeting in working groups – <b>all participants</b>	23 Oct 2020	14:00-16:00	WG discussion of Action plan content and initial drafting
2nd WG meeting in working groups – <b>all participants</b>	05 Nov 2020	14:00-16:00	Continued drafting of content
3rd WG meeting in working groups (if necessary) – <b>all participants</b>	18 Nov 2020	14:00-16:00	Additional date if required for drafting or discussions

Today

Your work starts in the working groups

Your work continues

Your work continues (if necessary)

Chairs will receive additional help during the sessions from:

- Arctic early career researchers (ECRs) i.e. rapporteurs in break out groups
- Zoom moderators

# Your task as WG members

Before workshops	During workshops	Between workshops	After last workshop
Obtain an overview of the process	Adhere to the agenda in proposed by your chair	Make sure to respond to emails from chairs, regarding clarifications of your input	<b>A draft action plan (based on your input) will be made public, and can sent for commenting</b>
	Be aware that some of your co- WG members may choose just to listen	Discuss topics within your own network. Are there aspects missing? Not everyone could participate here but you can bring their input forward	Gather review comments from within your network and integrate them in your own feedback
	Be aware that the time is limited. The chair may ask you to provide additional written comments to agenda points after meeting		One chairperson from each WG will give a short presentation at the online consultation in <b>March 2021</b>

# Overview of the working groups

Outcome	Chair	
<b>1. Clean oceans</b>	Colin Moffat – Scottish Government (UK)	Toril I. R. Utvik - Equinor (Norway)
<b>2. Healthy &amp; resilient</b>	Brendan Kelly – U. of Alaska Fairbanks (USA)	Katherine Richardson – U. of Copenhagen (Dk)
<b>3. Productive ocean</b>	Anne Christine Brusendorff - ICES (Int.)	Henry Huntington – The Ocean Conservancy (USA)
<b>4. Predicted ocean</b>	Sandy Starkweather - NOAA (USA)	Mark Payne – Technical University of Den. (Dk)
<b>5. Safe ocean</b>	Matthew Owen – Geological Survey of Denmark and Greenland (DK)	Lena Holm Saxtoft - SKULD (DK)
<b>6. Accessible ocean</b>	Nicole Biebow – Alfred Wegener Inst. (GE)	Molly McCammon – Alaska Ocean Observing System (USA)
<b>7. Inspiring &amp; eng. O.</b>	Raychelle Danielle – Pew trust (USA)	Gunn-Britt Retter – Saami Council (Norway)

# Technical details regarding ZOOM

- If you have not received the calendar invite to the Zoom meeting, please write to us at [dch@danskhavforskning.net](mailto:dch@danskhavforskning.net)

- Please participate with video ON (if bandwidth allows this)
- Please always mute mics when not speaking
  - Zoom moderators will assist with this.
  - Familiarise yourself with and use the chat box and raise hand function
- We may record a few of the sessions to help rapporteurs.
  - If so, you will be informed by the chairs.
  - Objection? Notify the chairs of the session.
  - No recordings will be shared with anyone outside the organising group or chairs
  - Any recordings will be deleted at the end of March 2021 at the latest.

**Note:**  
the WG meetings are two hours.  
The ZOOM meeting rooms will  
open 45 mins before (as you can  
see by the calendar invite).  
This is time for the WG chairs to  
prepare.  
You can log in and wait in the  
waiting room

# Questions

As there are many participants please write them in the chat and we can run through a selection for as long as time permits.

Any questions not addressed now will be copied to a document, answered and distributed together with these slides (email will link to download from [oceandecade.dk](http://oceandecade.dk))

Thank you for your attention  
&  
we look forward to integrating the workgroup  
output into the draft Action plan.

Contact info: [dch@danskhavforskning.net](mailto:dch@danskhavforskning.net)

See also....

virtual session series “Co-designing the science we need for the Ocean Decade” convened by UNESCO's IOC

<https://www.oceandecade.org/events/146/Ocean-Decade-Virtual-Series-Co-designing-the-Ocean-Science-we-need-for-the-Polar-regions>



 2021  
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**THE OCEAN DECADE  
VIRTUAL SERIES** | **29 Oct 2020  
15.00-17.00 (CET)**

**Co-designing the Ocean Science we  
need for Polar regions**

   The Research Council  
of Norway

With the support of  
 Sverige