

### Preparatory online meeting for working group chairs in the

# Ocean Decade Arctic regional process

1. October 2020

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



## Agenda

- WELCOME and background (10 min)
  - Colin Stedmon Centre Leader at Danish Center for Marine Research
- Where are we in the Ocean Decade planning (10 min)
  - Henrik Enevoldsen Danish representative in IOC UNESCO
- The plan for the Arctic regional process + introduction to all WG chairs (15 min)
  - > Christian Riisager-Simonsen Coordinator at Danish Center for Marine Research
- Questions (25min)
  - Colin & Christian Danish Center for Marine Research



## Welcome and background



# Welcome and background – 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

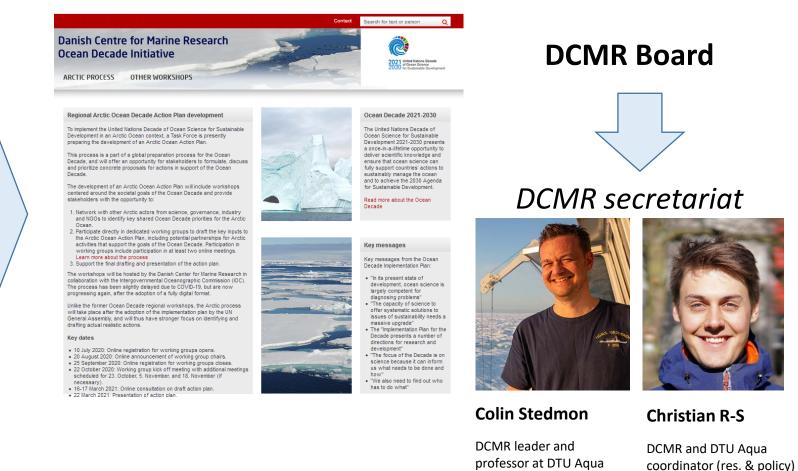
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2021 United Vations Doctor of Cocan Bolonice

- 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





# Welcome and background – why this effort

### 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









# Where are we in the Ocean Decade planning

Henrik Enevoldsen IOC Unesco

### The process so far



- 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

### **Overview of IOC Member State review process of Version 1.0 of IP**



021 United Nations Decade 030 of Ocean Science 030 for Sustainable Development

- Overall very strong support from IOC Member States with clear recognition of improvements made since earlier draft version
- Most comments were suggestions and questions of clarifications
- Consensus around 3 main issues that required more substantive changes:
  - 1. Reworking of data section to make it simpler and more focused on the "how"
  - Reworking of objectives to simplify, reduce redundancy with Challenges, and increase focus on priority ocean knowledge and solutions
  - Inclusion of short but strong discussion on Covid-19 pandemic i.e. effects on ocean science and the role of the ocean in a post-Covid world
- Range of issues that were not addressed as they were not considered appropriate e.g. change of start date of Decade, or because there are other processes in place e.g. details of Board TOR, regional priorities
- Mandate to make revisions and submit revised version (Version 2.0) to UNGA for its consideration
- Revisions and major changes summarized in IOC Executive Council information document (see link in agenda)

### **UNGA Presentation of Version 2.0 of Implementation Plan**

- Version 2.0 of Implementation Plan shared with UN Member States in early August
- Draft resolution of Omnibus Resolution including reference to Implementation Plan – under consideration via online processes
- Final resolution expected in December 2020





### Overview of '1st Call for Decade Actions'

- First 'Call for Decade Actions' for two types of largescale Actions:
  - 1. Global or major regional programmes
  - Contributions including support to central or decentralised coordination functions
- Open 15 October 2020 to 15 January 2021 with decisions in Q1 of 2021
- No geographic or thematic restrictions
- Suite of inter-related documentation to support 'Call for Decade Actions'
- Two live Q&A sessions planned for applicants
- UN entities registration process will be opened in parallel
- More details will be made available on social media and <u>www.oceandecade.org</u> - sign-up to receive further updates!





### Next steps & key milestones

2021 United Nations Decade 2020 of Ocean Science 2030 for Sustainable Development

- 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 October, 15<sup>th</sup> 2020!

Sign-up on www.oceandecade.org to be on the mailing list for updates.

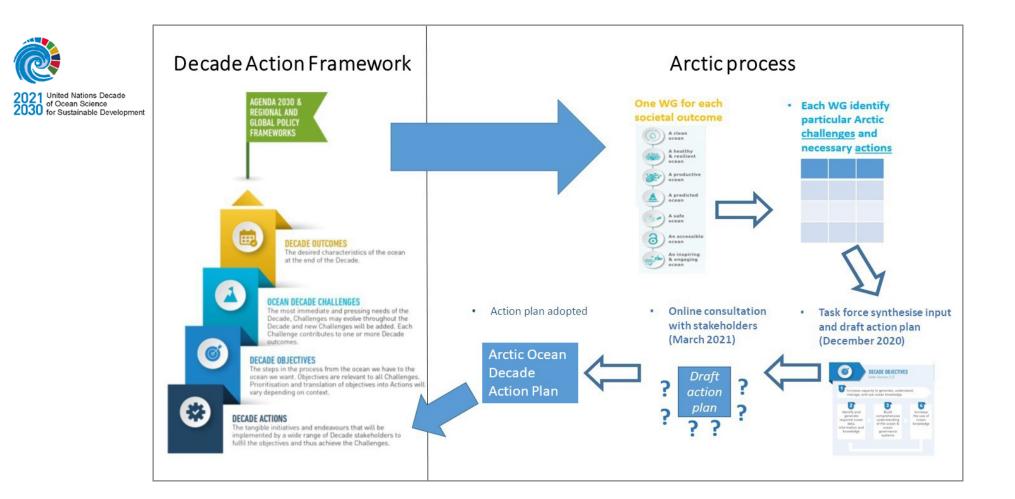


# The plan for the Arctic regional process

Christian DCMR

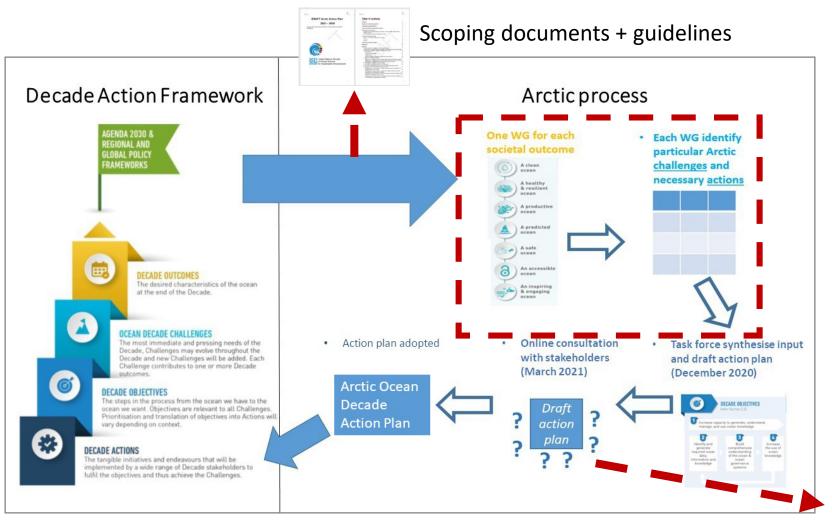


### The plan for the Arctic regional process - how to make an '*Arctic interpretation*'





# The plan for the Arctic regional process







## Where are we?

	July			August			Septemb	er		October			November		Dec.	Jan.	Feb.	March	Beyond	
	110.	1120.	2131.	110.	1120.	2131.	110.	1120.	2131.	110.	1120.	2130.	110.	1120.	2131.	-	-	-	-	
Workshop preparation																				
WG format development																				
DCMR draft Action Plan v 0																				
WG charge development (template)																				
TASK FORCE review and adopts Action plan format (v0) and WG charge																				
DCMR announces ARCTIC UNDOS process																				
DCMR develops a non-paper on UNDOS/policy alignment																				
WG lead invitation and dialogue																				
WG lead accept					20.															
WG participant invitations					21.															
WG finalised									25.											
WG activities										$\searrow$										
WG chair kick off meeting										1.										
WG kick off meeting											22.									
1st WG meeting												23.								
2nd WG meeting													5.							
3rd WG meeting (if necessary)														18.						
WG delivery of input																1.				
Action plan drafting																				
DCMR drafting of action plan v 1																				
TASK FORCE review action plan																				
Online Arctic UNDOS workshop (consultation on draft)																			1617.	
DCMR produce action plan v.2.																				
TASK FORCE adopts action plan																			19.	
Presentation of outcomes at Arctic Science Summit Week																			22.	
Community outreach																				
Arctic action plan presented online and in Berlin at UNDOS launch																				
TASK FORCE MEETINGS					10.				23.							10.		18.	19.	



# 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	То
Joint KICK OFF meeting for the working groups – all participants	22 Oct 2020	15:00-16:00	Introduction to the process, ambitions and expectations	
1st WG meeting in working groups – all participants	23 Oct 2020	14:00-16:00	WG discussion of Action plan content and initial drafting	Yo
2nd WG meeting in working groups – all participants	05 Nov 2020	14:00-16:00	Continued drafting of content	Yo
3rd WG meeting in working groups (if necessary) – all participants	18 Nov 2020	14:00-16:00	Additional date if required for drafting or discussions	Yo

oday

our work starts in the working groups

our work continues

our work continues (if necessary)

You will receive additional help during the sessions from:

- At least two Arctic early career researchers (ECRs) i.e. rapporteurs in break out groups
- A technical (Zoom) support person from DCMR



# Your task as WG chairs

Before workshops	During workshops	Between workshops	After last workshop
<ul> <li>Obtain an overview of the process</li> </ul>	<ul> <li>Adhere to the agenda in guidelines – i.e. use it as a template</li> </ul>	<ul> <li>Make sure to share draft document with input to WG so people can add comments</li> </ul>	<ul> <li>Share draft of WG output document with participants and DCMR</li> </ul>
<ul> <li>Obtain an overview of working group composition – and if some important actor is missing (please contact DCMR)</li> </ul>	<ul> <li>Make it clear to the WG how you want to take peoples input, and the role of co-chairs and ECRs.</li> <li>Consider break out rooms</li> </ul>	<ul> <li>Email DCMR with drafts to allow us to identify cross cutting themes between WGs</li> </ul>	<ul> <li>Submit final version to DCMR by 1<sup>st</sup> December</li> </ul>
<ul> <li>Agree with co-chair and ECRs on how to organise and report on the discussions</li> <li>Consider no. of participants</li> </ul>	<ul> <li>Be aware that some may choose just to listen</li> <li>Be aware of the time – let people send comments if times runs out</li> </ul>		<ul> <li>One WG chair from each WG prepare a short presentation for the online consultation in March 2021</li> </ul>



# The guidelines and agenda for WG meetings

### Appendix



A: NON-PAPER - scope of the process and the alignment between the Ocean Decade's societal goals international policies and initiatives in the Arctic

### **Spatial Scope**

"Agreement on enhancing International Arctic Scientific Cooperation"



#### Overview of international environmental and research policies relevant to the Arctic

The Arctic Ocean nations are all to different degrees parties in both international and regional agreements that cover the Arctic Ocean area. The table below presents the Task Force's mapping of key policies (inspired by <u>Arctic Portal</u>) and their likely overlap with the O. Decade societal outcomes that are also consistent with working groups.

International policies* and policy targ	gets relev	ets relevant to the Arctic Ocean and it's nations							Likely overlap with ambitions in Decade societal outcomes							
				Arctic	Ocean nati	ons			1	2	3	4	5	6	7	
	Canada	Kg. of De Greenland		Finland	Iceland	Norway	Russia	U.S.A	Clean	Healthy	Productive	Predicted	Safe	Accessible	Inspirie	
UBN Sustainable Development Goals SDG's			1				-									
UN Convention on the law of the Sea UNCLOS				5				-		-						
UNCLOS instrument: Marine Biodiversity of Areas Beyond National Jurisdiction (BBNJ) – in prep																
International Convention for the Regulation of Whaling IWC																
UN Fish Stocks Convention																
Convention on international trade in endangered species CITES																
UN Convention on Biological Diversity CBD				1											1	
Agreement on the Conservation of Polar Bears																
Convention on Environmental Impact assessment in a transboundary Context Espoo convention																
Agreement to prevent Unregulated High Seas Fisheries in the Central Arctic Ocean																
UN Framework Convention on Climate Change (i.e. Paris A.) UNFCCC								withdrawal pending								
UN Stockholm Convention on Persistent Organic Pollutants																
Convention on the Long-range Transboundary Air Pollution, Geneva																
UNEP Minimata Convention on Mercury																
Int. Convention for the Control and Management of Ship's Ballast Water and Sediments																
Arctic Council agreements																
Agreement on Cooperation on Aeronautics and Maritime Search and Rescue in the Arctic SAR or Arctic Search and Rescue Agreement																
Agreement on Cooperation on Marine Oil Pollution Preparedness and Response in the Arctic																
Agreement on Enhancing International Arctic Scientific Cooperation																
Non convention frameworks																
Sendai Framework										-					<u> </u>	

Infine - Parties which have signed but not ratified the policy

Red = Not parties to the treaty

#### Sustained marine observation programs

The Arctic marine area and its ecosystems are often highlighted as one the least studied areas due to its remoteness and harsh conditions. Nonetheless many nations operate some level of sustained marine observation programs both within and outside their national exclusive economic zones (EEZ). The table below offers WG chairs and participants with inspiration regrafing the overlap between particular sparameters and their relevance to the Ocean Decade outcomes.

Sustained marine observation programs relevant to the Arctic Ocean and its nations								Likely overlap with ambitions in Decade sociatal outcomes										
	1	Arctic Ocean nations according to the AMAP delineation								1	2	3	4	5	6	7		
	Name of program	Within EEZ	Outside EEZ	Canada	Kg. of D			Iceland		Russia	USA	Clean	Healthy	Productive	Predicted	Safe	Accessible	Inspiring
Marine env. conditions																		
<ul> <li>Hydrographic (temperature, currents, salinity)</li> </ul>																		
<ul> <li>Biogeochemical and microbial (natural substances in pelagic &amp; benthic env. Nutrients, Carbon, plankton etc.)</li> </ul>																		
<ul> <li>Fauna stocks (fish, marine mammal, birds)</li> </ul>																		
<ul> <li>Macro ecology and habitat conditions</li> </ul>																		
Meteorological conditions																		
<ul> <li>Temperature, pressure, wind speeds, gas composition</li> </ul>																		
Cryosphere	1											1				-		
<ul> <li>Terrestrial (glaciers and permafrost)</li> </ul>																		
- Marine (sea ice coverage)																		
Anthropogenic Pollutants																		
- Marine												1						
- Atmospheric																		
- Biota												1	1					
Human welfare																		
- Human Health																		
- Education																		
Economic activities																_		
- Fisheries /aquaculture																		
- Tourism																		
- Mining																		
- Oil & Gas extraction																		



# The guidelines and agenda for WG meetings

### Appendix



### **B: GUIDANCE TO WORKING GROUP CHAIRS**

#### **B:** GUIDANCE TO WORKING GROUP CHAIRS

Each WG should work on answering the questions below covering as many perspectives as possible, i.e. both scientific, management, industry etc. Point 1-5 in the list below should help kick start the WGs discussion on shared priorities at the first meeting. How the workshops are moderated and spent their time is determined by the chairs. Some agenda points may have to be pushed to one of the later workshops.

The chairs will be responsible for drafting the minutes after the meeting, and circulate to the WG and coordinator from DCMR (Christian R-S, chrii@aqua.dtu.dk). The secretary will also be responsible for circulating the online meeting link to all WG participants.

#### 1st working group meeting 1 (23. October):

- Who is represented in the WG? Presentation by each stakeholder in the WG, e.g. a two slide presentation of the stakeholders ongoing/planned activities and unfulfilled needs
- What are the key shared regional challenges to achieve the WGs societal outcome over the next 10 years (Define challenges which should be addressed)
- What activities and stakeholders are presently working towards addressing these or similar challenges, i.e. how, where, with who - and how is it funded (Map the landscape both nationally and internationally)
- What direct actions would be able to address the challenges, if possible give several examples (*Identify relevant actions*)
- How could each of these suggested actions be implemented, what stakeholders should be involved, how could it potentially be funded, when should it be initiated, who would have the capacity and motivation to take lead etc. (*Qraft potential action plan*).

#### 2nd working group meeting (5. November):

- Each WG performs a SWOT on all suggested actions and score them based on their importance and ability to be achieved.
- The workshop concludes with the adoption of top priorities to be included in the Arctic Action Plan. It will be necessary to have additional notes about the specific details of each activity

#### 3rd working group meeting (18. November):

8. If necessary workshop 3 will follow up un unresolved issues

### Your focus should be to get as concrete as possible

#### Workshop 1

- 1) What are the specific challenges
- 2) What are relevant actions and **actors**

#### Workshop 2

- 1) How realistic are these actions (SWOT)
- 2) What actions should be of high priority

#### Workshop 3

1) Provide details to the input e.g. in small break out groups

#### DCMR and task force will follow up on unaddressed input/topics



# The guidelines and agenda for WG meetings

### Appendix



### **D:** GUIDANCE ON INTERPRETATION OF THE OCEAN DECADE SOCIETAL OUTCOMES - AND THE WORKING GROUPS FOCUS

#### Working group 1: How to achieve - A clean ocean where sources of pollution are identified, reduced or removed

#### Chairs:

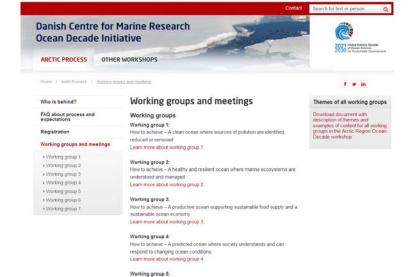
- Colin Moffat Scottish Government (UK)
- Toril Inga Røe Utvik Equinor (Norway)

#### Ocean Decade definition of the societal outcome:

Society generates a vast range of pollutants and contaminants including marine debris, plastic, nutrients, underwater noise, pharmaceutical pollutants and heavy metals. These pollutants and contaminants derive from a wide variety of land and sea-based sources, including point and <u>non-point</u> sources. The resulting pollution is unsustainable for the ocean and jeopardises ecosystems, human health, and livelihoods. It will be critical to generate interdisciplinary and co-produced knowledge on the causes and sources of pollutions and sefects on ecosystems and human health. This knowledge will underpin solutions co-designed by multiple stakeholders to eliminate pollution at the source, mitigate harmful activities, remove pollutants from the ocean, and support the transition of society into a circular economy.

Examples of potential issues and actions to be discussed by working groups based on the Task Force's interpretation of the outcome.

- Challenge
  - Sustained international coordinated pollution source and distribution mapping
  - Characterising new threats to Arctic marine ecosystems and the risk to environment and humans of current and future arctic marine pollution
- Ensuring the necessary local cooperation across the Arctic
   Actions
  - Advance the categorisation of relevant pollutants in the Arctic
  - Increased international coordination of sustained mapping and reporting efforts
  - Regionally coordinated action plans to manage pollution sources
  - Active involvement of local communities



How to achieve – A safe ocean where life and irvelihoods are protected from ocean-related hazards



# Overview of the working groups

Outcome	Chair	
<b>1. Clean oceans</b> 55 participants	Colin Moffat – Scottish Government (UK)	Toril I. R. Utvik - Equinor (Norway)
<b>2. Healthy &amp; resilient</b> 63 participants	Brendan Kelly – U. of Alaska Fairbanks (USA)	Katherine Richardson – U. of Copenhagen (Dk)
<b>3. Productive ocean</b> 52 participants	Anne Christine Brusendorff - ICES (Int.)	Henry Huntington – The Ocean Conservancy (USA)
<b>4. Predicted ocean</b> 76 participants	Sandy Starkweather - NOAA (USA)	Mark Payne – Technical University of Den. (Dk)
<b>5. Safe ocean</b> 33 participants	Matthew Owen – Geological Survey of Denmark and Greenland (DK)	Lena Holm Saxtoft - SKULD (DK)
<b>6. Accessible ocean</b> 44 participants	Nicole Biebow – Alfred Wegener Inst. (GE)	Molly McCammon – Alaska Ocean Observing System (USA)
<b>7. Inspiring &amp; eng. O.</b> 37 participants	Raychelle Danielle – Pew trust (USA)	Gunn-Britt Retter – Saami Council (Norway)



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Support from early career researchers (organised by APECS) – Tentative list

- Group 1 2 volunteers (Anna Gebruk, Tamara Narganes Homfeldt)
- Group 2 3 volunteers (Tom Grove, Moustapha MOUSSA, Chloe Nunn)
- Group 3 3 volunteers (Saule Akhmetkaliyeva, Alisa Ilinskaya, Ellie Louise Burch)
- Group 4 4 volunteers (Joseph Lambert, Holly Elizabeth Jenkins, Jessica Newman, Susana Hancock)
- Group 5 2 volunteers (Robert Taylor, Patrizia Isabelle Duda)
- Group 6 3 volunteers (Rachel Downey, German Titov, Anastasia Shurygina)
- Group 7 2 volunteers (Hannah Grist, Vinod Kumar Nathan)



# Short introduction of WG chairs

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# Questions