Collaboration between the IOC and the UNFCCC

30th Session of the IOC Assembly

Paris 1 July 2019

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UNFCCC Secretariat
**Convention and Paris Agreement**

**Article 4.1 (commitments):**
1(d). ...all Parties shall promote sustainable management, and promote and cooperate in the conservation and enhancement of sinks and reservoirs of all greenhouse gases, including biomass, forests and oceans as well as other terrestrial, coastal and marine ecosystems.

The ocean and coastal zones play a direct and/or indirect role in the Articles and goals under the Paris Agreement.

**Systematic observation and development of data archives** related to the climate system and intended to further the understanding and to reduce or eliminate the remaining uncertainties regarding the causes, effects, magnitude and timing of climate change and the economic and social consequences of various response strategies.

**Article 7.7 on adaptation**
“Parties should strengthen scientific knowledge on climate change, including research, systematic observation of the climate system and early warning systems, in a manner that informs climate services and supports decision making”

**Paris Agreement** (preambular):
“Recognizing the need for an effective and progressive response to the urgent threat of climate change on the basis of the best available scientific knowledge”

“Noting the importance of ensuring the integrity of all ecosystems, including oceans, and the protection of biodiversity...”
Climate system and climate change

Observation
- WMO
- GCOS
- IOC/GOOS
- CEOS
- GEO

Research
- WCRP
- IAMC
- IOC
- Future Earth
- WASP (PROVIA)

Assessment
- IPCC

Climate services
- GFCS
- GEO
- Copernicus

CC impacts planning & monitoring
Other services
Global carbon budget, SLR, EEI

Workstreams
- SBSTA (Science & Review)
  - Systematic observation
    (Earth Information Day)
  - Research
    (Research dialogue)
  - Assess adequacy of LTGG
    (Periodic review)
  - IPCC SR15
    (1/CP.24)

Policy
- COP/CMA
  - Global stocktake
    (2023, 2028 ...)
- Assess progress on implementation of the Paris Agreement

Reports

ECVs, Climate data records, climate indicators

GCOS Implementation Plan (COP Decision 19/CP.22)
Climate indicators, regional workshops, building capacity in developing countries

IOC
Observation - GOOS
Research - Decade on Ocean Science

Climate rationale

Collaboration between WMO, UNCCD and Regional Centres
The ambition cycle

**Action**
Mitigation & Adaptation...

**Means of Implementation**
(Technology, Finance, Capacity building)

**AMBITION**
5 year cycle

**NDCs**
2020, 2025, 2030...
Adaptation communication
Long-term low-GHG emission strategy

**Global Stocktake**
2023, 2028, 2033...

**IPCC assessments**

**Communicated individual efforts**

In 2020:
- 2025 end date -> new NDC
- 2030 end date -> revised NDC

Inform updating NDCs in a nationally determined manner (progression clause)

Action at national level!

**Collective progress** towards purpose and long-term global goals

**Reported individual efforts**

Transparency to build trust and confidence:
- GHG Inventory
- Progress on NDCs
- Support provided and mobilized
- Support needed and received
- Adaptation
- Loss & Damage

Key to catalyze progress

In 2020:
- 2025 end date -> new NDC
- 2030 end date -> revised NDC

IPCC assessments
1. Information collection and preparation
   (Dec 2021/June 2022 until May 2023):
   - SBSTA/SBI joint contact group
   - Sources of input (19/CMA.1, para 37 - synthesis reports by secretariat, Party reports, relevant reports from UN and other organizations supportive of the UNFCCC process etc ...)

2. Technical assessment
   (2-3 sessions before CMA 6 = June/Nov 2022) and Technical dialogue

3. Consideration of outputs (CMA 6, 2023)
   -> identify opportunities for enhancing efforts, challenges, good practices, and political messages

Decision suggests a broad approach to the global stocktake which could include ocean-related indicators
Adaptation | Landscape

Science, research, systematic observation
- Research dialogue, IPCC collaboration, review...

Knowledge and assessment
- Nairobi work programme

Planning and Implementation
- National adaptation plans (NAPs)

Addressing residual risks
- Warsaw Mechanism on Loss and Damage

Institutional support
- Adaptation Committee
  - L&D Excom
  - LEG

Stakeholder engagement and regional cooperation

Finance, Technology and Capacity Building
### UNFCCC / IOC Engagement: Examples so far - Research and systematic observation

<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
<th>Details</th>
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<tbody>
<tr>
<td>2016</td>
<td>COP 22 / SBSTA 45</td>
<td>COP 22 Earth Information Day</td>
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<tr>
<td>2017</td>
<td>SBSTA 47</td>
<td>Statement to the SBSTA</td>
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</table>
| 2018 | SBSTA 48-1 | Statement to the SBSTA  
**Tenth meetings of the research dialogue**  
**SBSTA Conclusions:**  
The SBSTA further noted the importance of the work of the scientific community and the IPCC. It encouraged Parties and relevant organizations to address gaps and needs with regard to:  
- The **role of the ocean in the global climate system**, including for the global energy balance and carbon cycle, and impacts related to, inter alia, ocean acidification, sea level rise and ecosystem services, **noting the proclamation by the United Nations of the United Nations Decade of Ocean Science** for Sustainable Development (2021–2030), which is to be coordinated by IOC-UNESCO |
| 2019 | SBSTA 50 | Statement to the SBSTA  
**Eleventh meeting of the research dialogue: Theme 4 Role of the ocean**  
**SBSTA Conclusions:**  
The SBSTA noted that the co-production of knowledge may strengthen research related to addressing and responding to climate change |
Nariobi work programme – indicative work plan

1.3 Oceans, coastal areas and ecosystems

- Prepare a scoping paper: identify and engage with experts and relevant organizations such as the Intergovernmental Panel on Climate Change
- Organize a pre-COP meeting; 13th Focal Point Forum on oceans
- Package the outcomes of the forum into usable format and disseminate: facilitate partnerships to implement actions to close knowledge gaps
- Prepare a report on outcomes and updated knowledge and knowledge gaps for SBSTA 52

SBSTA 50 FCCC/SBSTA/2019/L.2

17. The SBSTA requested the secretariat to collaborate with partners and relevant organizations in the thematic area of oceans, including on organizing the 13th NWP Focal Point Forum, on the topic of oceans, in conjunction with SBSTA 51 (December 2019).

18. The SBSTA also requested the secretariat to invite the IPCC to share the findings contained in its forthcoming Special Report on the Ocean and Cryosphere in a Changing Climate at the 13th NWP Focal Point Forum.
L&D ExCom work plan

- Developing a policy brief on Technologies for comprehensive risk management in coastal zones in collaboration with TEC
  - Expert Dialogue on technologies for averting, minimizing and addressing loss and damage in coastal zones held at SB50
## Things to look forward to

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
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<tr>
<td>23 September</td>
<td>UN Climate Summit</td>
<td>UN Headquarters, New York</td>
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<td>23-27 September</td>
<td>16th meeting of the Adaptation Committee</td>
<td>Bonn, Germany</td>
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<td>2-13 December 2019</td>
<td>COP 25 / SBSTA 51 - the BLUE COP</td>
<td>Santiago, Chile</td>
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<td>Earth information day (submissions)</td>
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<td>SBSTA/IPCC special events on <a href="#">SROCC</a> and <a href="#">SRLCC</a></td>
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<td>NWP Focal point forum on ocean</td>
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<td>Ocean and coastal zone action day</td>
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<td>UN-Oceans side event</td>
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<td>1-11 June 2020</td>
<td>SBSTA 52</td>
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<td>Ongoing engagement</td>
<td>Decade on Ocean Science</td>
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<td>UN-Oceans</td>
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<tr>
<td></td>
<td>Paris Agreement implementation – ocean /climate nexus</td>
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Thank you!

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