



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



United Nations
Educational, Scientific and
Cultural Organization



IOC Sub-Commission for the
Western Pacific
(WESTPAC)

The UN Decade of Ocean Science for Sustainable Development

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United Nations Decade of Ocean Science for Sustainable Development (2021-2030)



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I. Background

- ✓ **By Resolution A/RES/72/73, the UN General Assembly proclaimed the UN Decade of Ocean Science for Sustainable Development (2021–2030) and mandated the IOC to prepare an Implementation Plan in consultation with Member States, UN partners and other relevant stakeholders.**
- ✓ **A Roadmap, detailing the governance arrangements of the preparation phase, as well as the preliminary objectives and expected outcomes of the Decade, was developed.**
- ✓ **In the Roadmap, the Executive Planning Group is tasked with the development of the Implementation Plan.**



II. Overarching Goals

- ✓ **The vision of the Decade:
Ocean Science for the future we want**
- ✓ **Goal 1: To generate the scientific knowledge and underpinning infrastructure and partnerships needed for sustainable development of the ocean.**
- ✓ **Goal 2: To provide ocean science, data and information to inform policies for a well-functioning ocean in support of all Sustainable Development Goals of 2030 Agenda.**



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III. Six Societal Outcomes

- ✓ **A clean ocean:** *pollution*
- ✓ **A healthy and resilient ocean:** *ecosystem*
- ✓ **A predicted ocean:** *understanding and ocean forecast*
- ✓ **A safe ocean:** *warning of ocean hazards*
- ✓ **A sustainably harvested, productive ocean:** *seafood security*
- ✓ **A transparent, accessible ocean:** *ocean data portal*



IV. Seven R&D Priority Areas

1. **Comprehensive map (digital atlas) of the ocean: *e.g. GEBCO***
2. **A comprehensive ocean observing system: *e.g. GOOS***
3. **A quantitative understanding of ocean ecosystems and their functioning as the basis for their management and adaptation: *e.g. OBIS, eDNA approach, deep-sea ecosystem***
4. **Data and information portal**
5. **Ocean dimension in an integrated multihazard warning system: *e.g. Tsunami, tropical storms, HABs***
6. **Ocean in earth-system observation, research and prediction, with engagement of social and human sciences and economic valuation: *e.g. Ocean/weather forecast, climate prediction***
7. **Capacity building and accelerated technology transfer, training and education, ocean literacy**



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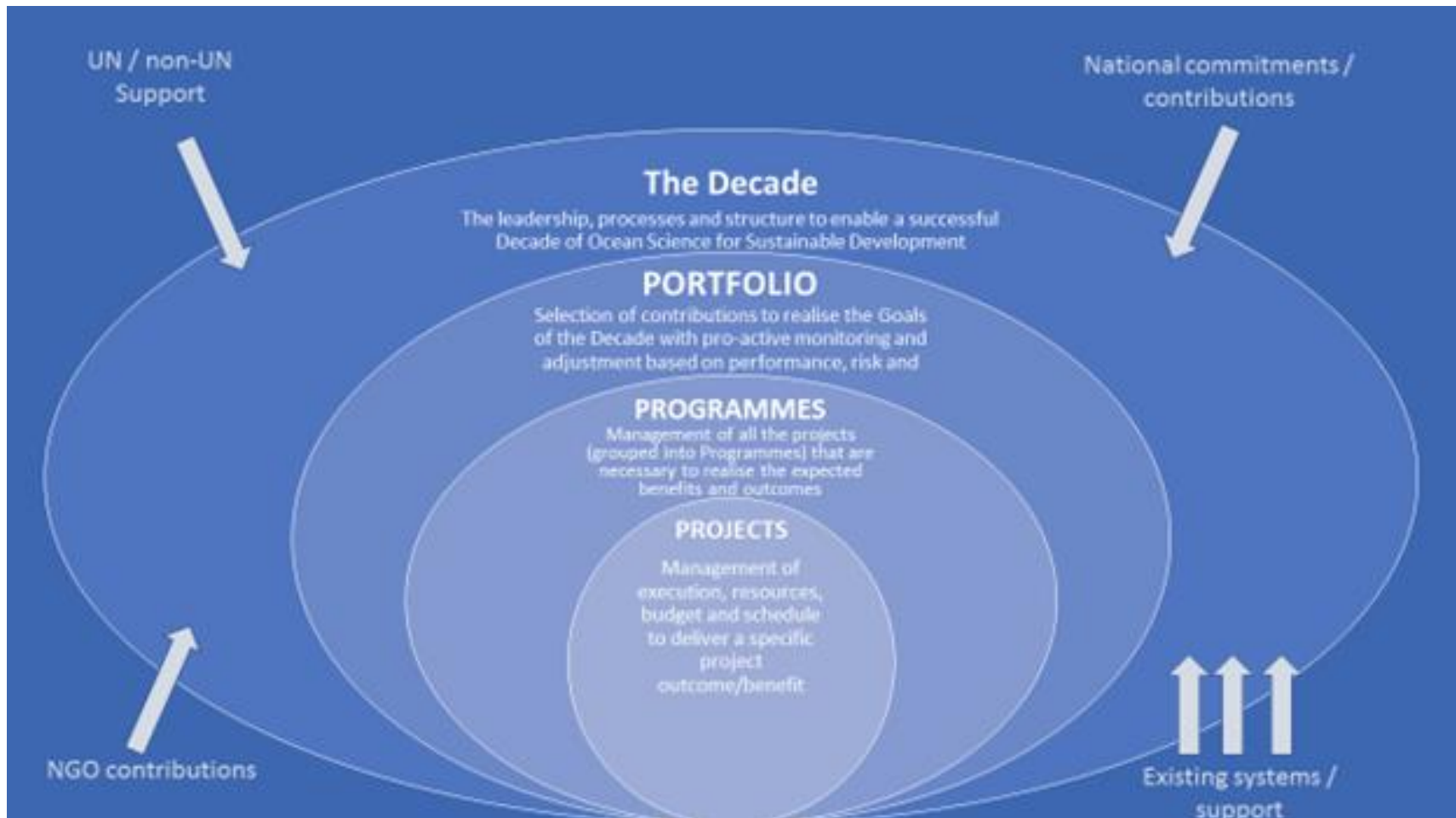


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V. Structure of the Decade





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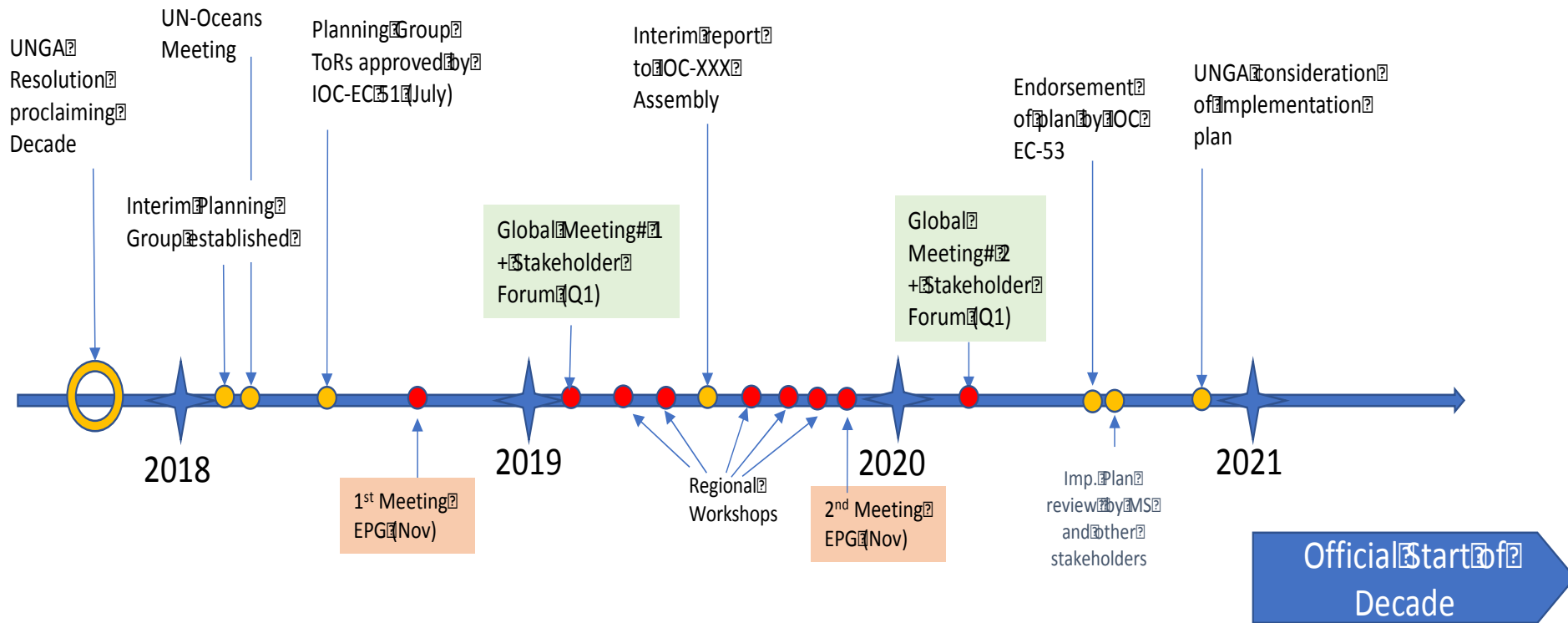
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VI. A brief of the Roadmap

1) Key steps for the Preparation Phase



Preparation phase



2) Executive Planning Group

- ✓ **The purpose of the EPG is to serve as an expert advisory body to the IOC governing bodies to support the development of an Implementation Plan for the Decade and the delivery of other activities needed to establish the Decade.**
- ✓ **The EPG is an expert group composed of 19 experts. In addition, the IOC Chair and Executive Secretary will serve as ex-officio members.**



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✓ First meeting of the EPG

- Paris, France; 2018. 12. 17~19

- Review the Roadmap and plan future activities





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(First meeting of the EPG)

- ✓ **Prepare the 1st Global planning meeting/Stakeholders' Forum and Regional workshops**
- ✓ **Form a task group on the preparation of a high level science plan – outlining & updating with inputs from consultations**
- ✓ **Prepare engagement of philanthropic funders, NGO, and the private sector**



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VII. Global Planning Meeting/Stakeholders' Forum (concept note)

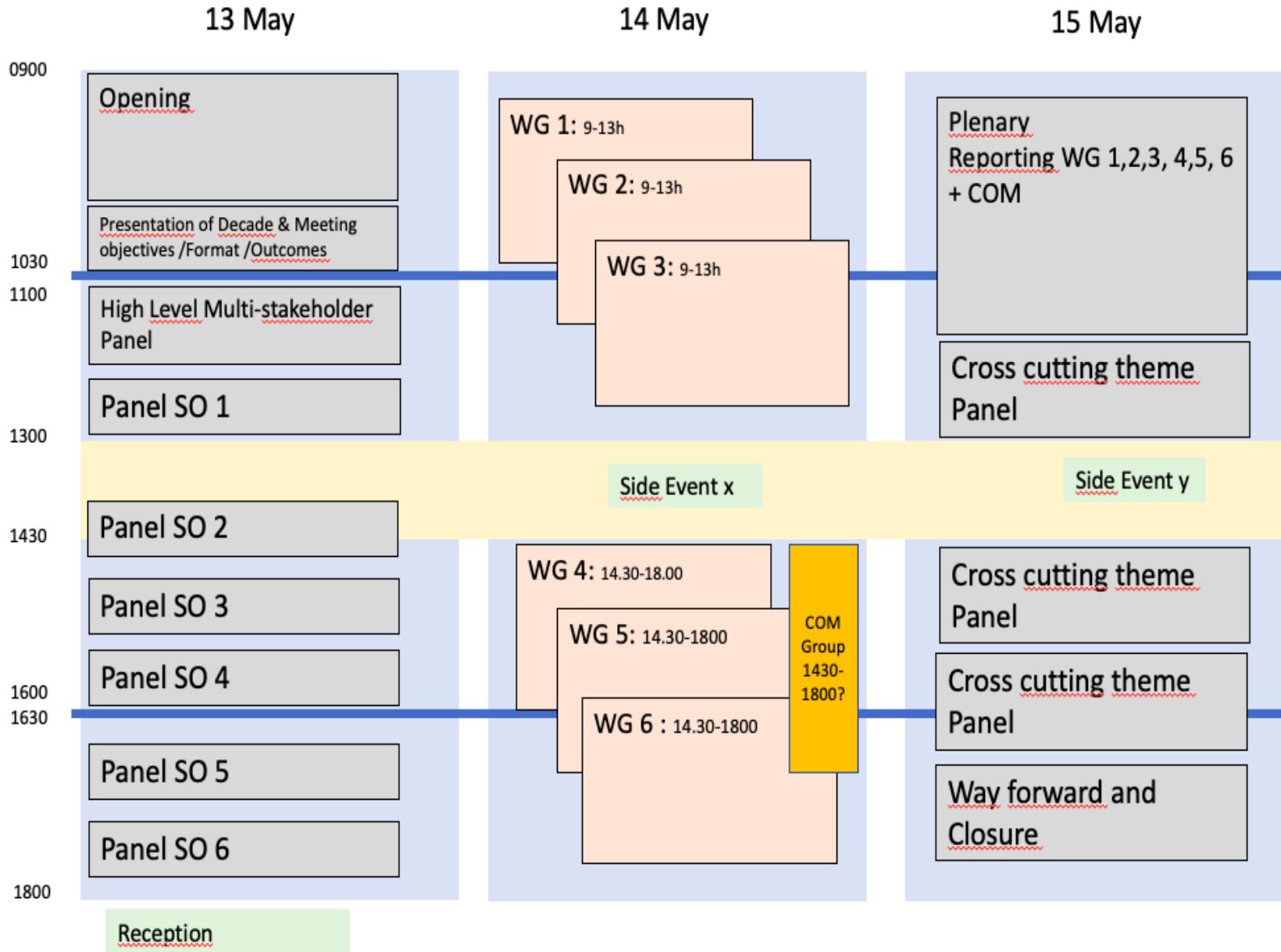
1. Principles:

- a top-down process coupled with a bottom-up process;
- an adaptive process with revision;
- a transformative process-any interested parties to organize consultation meetings-targeting env., societal and policy change

2. Purpose

- engagement of various ocean communities in the Decade

<A possible structure for the first Global planning meeting>



PLANNING & CONSULTATIVE M CONCEPTUAL FRAMEWORK

2030 Agenda
SDGs
& other UN
processes
protecting
Ocean

Societal
Outcomes

R&D Priority
Areas suggested
in the Roadmap

Regional Societal
Outcomes/
Regional policies

Assessment/Map

✓ Existing data &
technology

✓ Existing
networks/organisations

✓ Knowledge gaps

Outputs

✓ Research-priorities

✓ Capacity-development & infrastructures

✓ Data & Technology requirements

✓ Partnerships

Regional plans

Revised R&D
Priority Areas

IMPLEMENTATION PHASE

Adaptive
Science Plan

Applications/solutions

Portfolio/Programs/Projects

PREPARATORY PHASE

2nd GLOBAL PLANNING MEETING/EPG

First generation
of
Science Plan

Outline of
Science Plan

Other inputs

Conceptual approach to organize global and regional consultations

PARTICIPANTS TO THE GLOBAL AND CONSULTATIVE MEETINGS

(Denmark,
19.05)





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One Planet, One Ocean

STAKEHOLDER ENGAGEMENT

Why engage stakeholders?

One Planet, One Ocean

- Connect people to form lasting partnerships
- Define, mobilise and deliver the projects and programs to achieve the goals of the Decade
- Create a framework for a global research and innovation ecosystem – big ideas!





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Stakeholder category/group	Potential sub-groups/examples
1 Ocean science and technology	National research institutes National research agencies and government departments Regional research organisations/agencies/initiatives International organisations, networks, associations, academies
2 Ocean policy & sustainable development	Governments Regional organisations e.g. RFMOs, RSOs Global intergovernmental organisations: Sectoral (e.g. ISA, IMO, FAO, IWC, IUCN) Convening organisers e.g. G7, WEF,
3 Business and industry	SMEs – new technology development for research to management Industry – existing ocean industry (shipping, fishing, oil & gas, minerals) technology firms (e.g. Google) and new (blue-tech, clean tech) Business networks
4 Civil society & NGOs	Community groups Environmental NGOs e.g. Pew, CI, Scientific NGOs e.g. ICES Technology providers e.g. Global Fishing Watch Artistic, media (Science, Nature), communicators Sport/expeditions e.g. yachting
5 Donors and foundations	Science funding and expeditions Conservation organisations



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**Thank you very much
for your attention!**