



2021  
2030 United Nations Decade  
of Ocean Science  
for Sustainable Development

# Decade Coordinating Office Ocean Observing

**GOOS Webinar**

December 6, 2023



**Terry McConnell**

Lead



**Emma Heslop**

GOOS

IOC/UNESCO

# GOOS: At the heart of the Decade

**GOOS** | At the heart of  
the Ocean Decade

GOOS is the global home of ocean observing expertise.

**Challenge 7: Expand the 'Global Ocean Observing System'** aims to ensure a sustainable ocean observing system endures well past the year 2030.



2021  
2030  
United Nations Decade  
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# Topics

1. Ocean Decade at age 3
2. DCO – Ocean Observing at age 1
3. Pivot towards Value
4. Pivot towards a Lasting Impact
5. Discussion

# — The Ocean Decade at Age 3

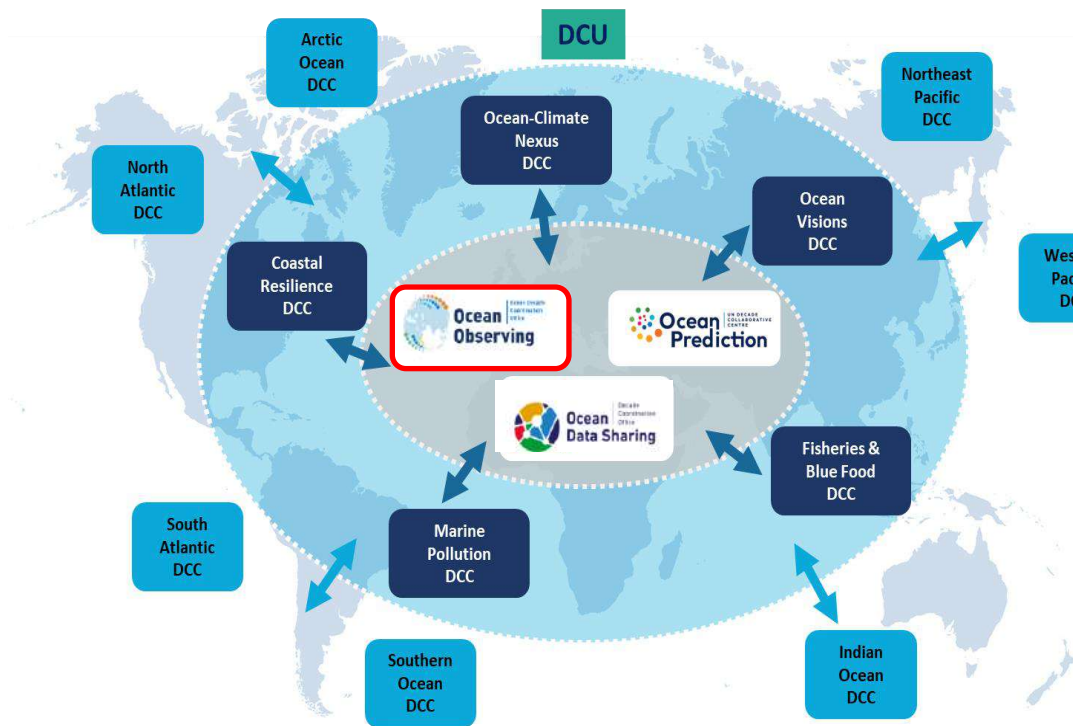
## ENDORSED OCEAN DECADE ACTIONS



## REGIONAL AND NATIONAL COORDINATION



# The Ocean Decade at Age 3



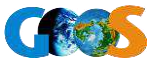
# — The DCO–Ocean Observing at age 1



## DCO – OO Mandate:

- Support the Ocean Observing community within the Decade
- Create a lasting impact
- Ensure the 'GOOS' legacy past 2030

[Terms of Reference](#)



# The DCO-Ocean Observing at age 1

## 11 OCEAN OBSERVING PROGRAMMES and 91 PROJECTS (31%)

### DCO – OO Mandate:

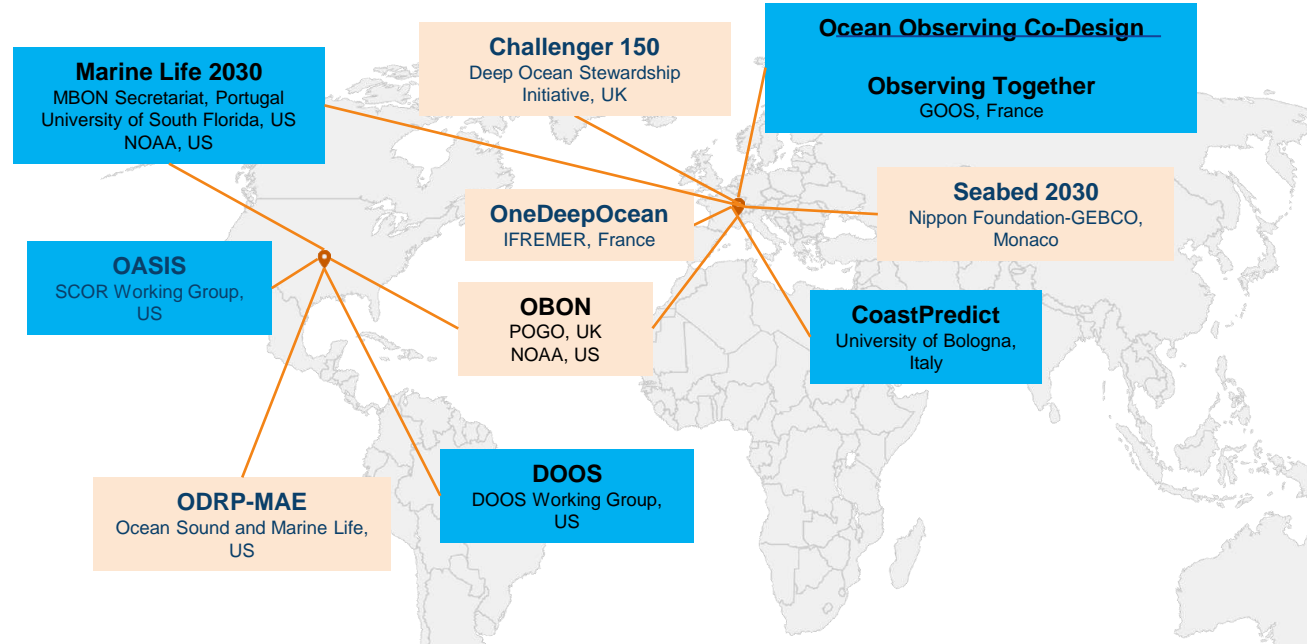
- Support the Ocean Observing community within the Decade

Name	Description	Lead Institution
OneDeepOcean	Ocean network for <b>deep observation</b>	Ifremer, France
CoastPredict	Observing and predicting the <b>global coastal ocean</b>	Alma Mater Studiorum University of Bologna, Italy
Seabed 2030 Project	<b>Bathymetric</b> map of the entire ocean by 2030	Nippon Foundation-GEBCO, Monaco
ODRP-MAE	Research on the maritime <b>acoustic environment</b>	Interagency Working Group for Ocean Sound and Marine Life, US
Marine Life 2030	Global integrated <b>marine biodiversity information management and forecasting</b> system.	Marine Biodiversity Observation Network (MBON).
OBON	Ocean <b>biomolecular observing</b> network	POGO, US
OASIS	Observing <b>air-sea interactions</b> strategy	SCOR Working Group, US
DOOS	<b>Deep ocean</b> observing strategy	DOOS Working Group, US
Ocean Observing Co-Design	<b>Evolving ocean observing through co-design</b> to deliver the information nations need	GOOS, UNESCO IOC
Observing Together	Meeting stakeholder needs and <b>making every observation count</b>	GOOS, UNESCO IOC
Challenger 150	A decade to study <b>deep ocean sea life</b>	DOSI, UK

# The DCO-Ocean Observing at age 1

## DCO – OO Mandate:

- Support the Ocean Observing community within the Decade

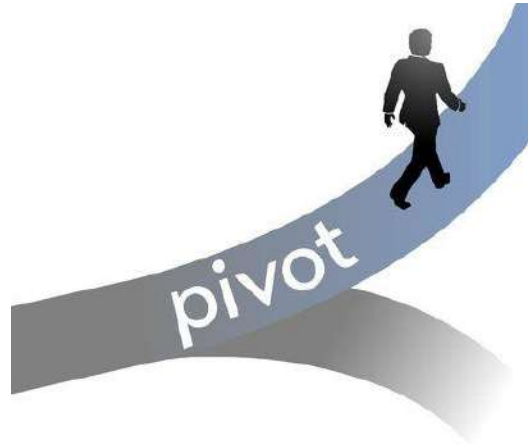




# — DCO – Ocean Observing at age 1

DCO – OO Mandate:

- Create a lasting impact



**Pivot towards Value**

**Pivot towards a Lasting Impact**

# Pivot towards Value

Societal benefits and non-scientific outcomes

**Features**

**Benefits**



**Benefits**



**Features**

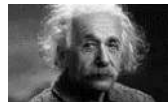
# Pivot towards Value

## Programmes and Projects pitching to Non-scientific Donor Groups

### Creating a Value Proposition

“Strive not to be a success,  
but rather to be of value.”

Albert Einstein, Physicist



### Creating an Elevator Pitch

“It is my ambition to say in ten  
sentences what others say in a  
whole book.”

Friedrich Nietzsche, Philosopher



#### What is a Value Proposition?

- ✓ A Value Proposition is a declarative statement on why your data or service has value to the end-user.
- ✓ A Value Proposition is expressed concisely, in the voice of that end-user.
- ✓ A Value Proposition must meaningfully connect the end-user with your data or service.

#### What is an Elevator Pitch?

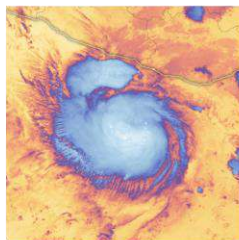
- ✓ An elevator pitch is a brief, persuasive speech
- ✓ An elevator pitch should be ≤ 60 seconds.
- ✓ A good Elevator Pitch is tailored to the audience.
- ✓ A successful Elevator Pitch will set the stage for a follow-up meeting.

# Pivot towards Value

Societal benefits and non-scientific outcomes

## The Risk

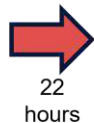
Hurricane Otis - 2023  
Acapulco, Mexico



Tropical Storm Otis : Oct 24<sup>th</sup>  
Sustained windspeed: 100 kph

*The rate of Hurricane Otis' intensification was among the fastest ever observed.*

Hurricane Otis caused at least 48 deaths and property destruction of more than \$10 billion USD



Hurricane Otis : Oct 25<sup>th</sup>  
Sustained windspeed: 270 kph

## The Solution

Co-design Programme  
GOOS



Tropical Cyclones



Marine Heatwaves

### Value Proposition

**Real-time in-situ** information for validation of / corrections to operational forecast models

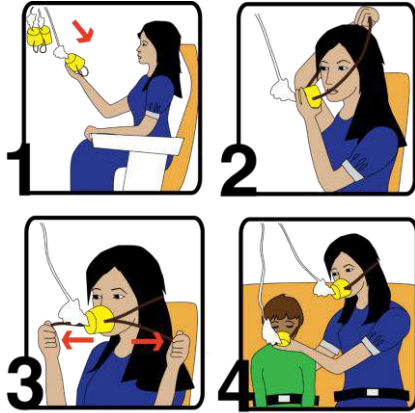
**Early warning systems** for coastal residents

More Reliable Forecasts

More warning

Less damage

# — Pivot towards Value



## The Request:

Secondment of a well-connected manager to work within the DCO – Ocean Observing

## Target Donor Community:

Global Finance and Re-insurance

## The Value Pitch:

A unique opportunity to take your seat with the global ocean observing community, working to understand and to influence the work of the UN Ocean Decade that will have an impact on Climate Change and Ocean Sustainability; and the resultant societal and commercial risks and opportunities.



A Seat at the Table

# — Pivot towards a Lasting Impact

## Digital Ocean Data Eco-system

- Working jointly towards a FAIR ocean data digital eco-system
  - ✓ Enable scientists to find and access data
  - ✓ Support for decision makers to make informed choices
  - ✓ Empower the “Blue Economy”

### — DCO-00, DCO- ODS and DCC – OP Coordination



# Pivot towards a Lasting Impact

Vision 2030

Challenge 7: Expand the Global Ocean Observing System



**Patricia Miloslavich**

Program Lead of the East Antarctic Monitoring Program with the Australian Antarctic Division.



**Joe O'Callaghan**

Director of Oceanly Science.  
Formerly with NIWA

- What does Success look like for Challenge 7?
- What is the Strategic Ambition for Ocean Observing at the end of the Decade?
- What BHAGs should be established?
- How do we measure success, and our path down that road?

# — GOOS: At the heart of the Decade

## DCO – OO Mandate:

- Ensure the 'GOOS' legacy past 2030



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the Ocean Decade

GOOS is the global home of ocean observing expertise.

**Challenge 7:** Expand the 'Global Ocean Observing System' aims to ensure a sustainable ocean observing system endures well past the year 2030.





# Discussion

- How do you perceive the relationship between the DCO and GOOS?
- What are your thoughts on an Ocean Observing system vision for 2030?
- Do you have any feedback; for the Decade or the DCO?