

# 2024 OCEAN DECADE CONFERENCE

DELIVERING THE SCIENCE WE NEED FOR THE  
OCEAN WE WANT 10-12 APRIL 2024  
BARCELONA, SPAIN

As part of the Ocean Decade Week (8-12 April 2024)

## DTO4ECOPS

Digital Twins of the Ocean &  
Early Career Ocean Professionals

*Leveraging Ocean Data Networks with Cloud Technologies to  
Deliver the Ocean We Want, Today & Tomorrow*

9 April | 9:30-11:30 | South Building (S2, S3, S4)



# Agenda

10.00h **Welcome!**

Greetings from our Satellite Event “DTO4ECOPs” co-organisers

10.20h **Ocean data sharing & ocean digital twinning: What's up?**

EDITO-Infra, ILIAD, Ocean Info Hub & SPINCAM

10.50h **INTERACTIVE DISCUSSION**

**Ocean data sharing & ocean digital twinning: What's in it for me?**

**Perspectives from ECOPs (&EOPs)**

Facilitated by: Paula Sierra, Gabriel Akoko, Ali Hochberg

11.20h **Key messages & final remarks**

11.30h **Close**



# Welcome!



Audrey Hasson  
Head of GEO Blue Planet  
Mercator Ocean International



Lorna Inniss  
Head IOC-UNESCO R. Secretariat IOC  
Caribe



Sheila Heymans  
Director  
European Maritime Board



Francisco Arias  
Director  
INVEMAR



Kate Larkin  
Head of EMODnet Secretariat  
Seascape Belgium



Bente Lilja  
Founder  
BLB

# Ocean Data Sharing & Digital Twinning

# What's up?



Alain Arnaud  
Head of Digital Ocean Program  
**Mercator Ocean International**  
**EDITO-Infra**



Bente Lilja  
Founder  
**BLB**  
**Iliad**



Paula Sierra  
Coordinator OTGA-IODE-COI-UNESCO  
**INVERMAR**  
**Ocean InfoHub & SPINCAM**



**If you could interrogate the Ocean, what question would you ask?**

- ⓘ Start presenting to display the poll results on this slide.

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## Ocean Data Sharing & Digital Twinning

# What's in it for me? Perspectives from ECOPs (& EOPs)



Paula García  
FUGRO



Gabriel Akoko  
Alfred Wegener Institute



Ali Hochberg  
Bermuda Zoological Society



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# Are you an Early Career Ocean Professional (ECOP)?

vote at [Slido.com](https://www.Slido.com) with the code  
**#2693827**



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What is your  
professional sector?  
vote at [Slido.com](https://Slido.com) with the code  
**#2693827**



 slido

# How familiar are you with the concept of Digital Twins of the Ocean?

vote at [Slido.com](https://www.Slido.com) with the code  
**#2693827**



## Ocean Data Sharing & Digital Twinning: What's in it for me? Perspectives from ECOPs (& EOPs)

# Join the conversation!



- In your region, what are the most pressing issues that Digital Twins of Ocean could potentially contribute to address? (e.g., coastal hazards, others?)
- What features of DTOs are most appealing to you? (e.g. access to open data, on-demand cloud computing?). What challenges in accessing/using Ocean data have you faced, e.g., for research?
- What is the role of ECOPs in the context of digital twins to advance Ocean science? From your perspective, how can DTOs contribute to achieve the science we need, for the Ocean we want? Besides Challenge 8, what other challenges can DTOs contribute to tackle?
- DTOs can bridge communities by offering layers of information that cater to different audiences. Would an interface for ECOPs be useful, and if so, what would this encompass?
- How can we improve engagement of ECOPs in DTO developments and trigger interest from youth on this topic? Would funding/technical support for DTO applications led by ECOPs be important?
- How do you think access to DTOs could contribute to supporting ECOPs career development?

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# Join the conversation!

- How do you think access to DTOs could contribute to supporting ECOPs career development?



## Key Take Aways

# Ocean Decade Conference & Digital Ocean Forum 2024



Paula García  
FUGRO



Gabriel Akoko  
Alfred Wegener Institute



Ali Hochberg  
Bermuda Zoological Society



# Closing remarks



Audrey Hasson  
Head of GEO Blue Planet  
Mercator Ocean International



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Seascape Belgium



Marco Oliveira  
Senior Researcher  
INESC TEC

# THANK YOU!