

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)



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Oceanographic
Commission



2021
2030

United Nations Decade
of Ocean Science
for Sustainable Development

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
Seascope 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
INVEMAR
Ocean InfoHub & SPINCAM

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

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

Ocean Data Sharing & Digital Twinning

What's up?



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



Bente Lilja
Founder
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Paula Sierra
Coordinator OTGA-IODE-COI-UNESCO
INVEMAR
Ocean InfoHub & SPINCAM

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://slido.com) with the code

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What is your professional sector?

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

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

vote at Slido.com with the code

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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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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



Lorna Inniss
Head IOC-UNESCO R. Secretariat **IOC**
Caribe



Francisco Arias
Director
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Kate Larkin
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Seascope Belgium



Marco Oliveira
Senior Researcher
INESC TEC



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THANK
YOU!