



International Digital Twins of the Ocean Summit 2023

November 9 - 12, 2023 • Xiamen, China



First Announcement

**CALL FOR SPONSORSHIPS
ALL INTERESTED ARE WELCOME!**

INTRODUCTION

The ocean is facing challenges from both climate change and increasing impacts caused by anthropogenic activities. This calls for breakthrough solutions to address the challenges for a shared sustainable ocean future. Digital twins of the ocean (DTOs) are digital representation of the ocean that help to answer 'what if' questions. Thus, they are intended to provide science-based decision support systems for global as well as regional marine management.

Endorsed by the UN Decade of Ocean Science for Sustainable Development (2021-2030), the Digital Twin of the Ocean (DITTO) programme was launched in 2021. The vision of the DITTO Programme is to build a world where Digital Twins of the Ocean are used to support ocean protection, ocean governance, and a sustainable Blue Economy. DITTO is dedicated to developing and sharing a common understanding of DTOs; establishing best practices in the development of DTOs; and advancing a digital framework for DTOs to empower ocean professionals from all sectors around the world, including scientific users, to effectively create their digital twins.

DITTO initiated the first International Summit in 2022 in London, hosted by the G7 and the UK. During the summit, around 500 participants physically or virtually explored progress in the development of DITTO capability, considered their requirements for infrastructure, described potential applications, and defined a path forward. The second DITTO Summit will take place in conjunction with the 2023 World Ocean Week in Xiamen, China, on November 9-12, 2023. The Summit will enable sharing of the latest advances on DTOs and discussion of future joint actions.

Fujian Ocean Innovation Centre and State Key Laboratory of Marine Environmental Science (Xiamen University) will host the DITTO Summit in 2023.

TOPICS

This Summit will consist of interconnected sessions covering:

- 1) advancing DTO architectures and interoperability
- 2) innovation of the predictive engines taking advantage of AI and ML opportunities
- 3) sharing, visualising and accessing DTO information
- 4) showcasing the power of existing DTOs

WHO SHOULD ATTEND

Users, providers/developers, and promoters of digital twin initiatives are encouraged to attend and contribute to this Summit. This event will include high-level stakeholder information and technical/scientific sessions and will provide documents on national and institutional information.

IMPORTANT DATES

April 15 – Call for Sponsorships

May 31 – Call for Abstracts

July 20 – Deadline for Abstract Submission

August 15 – Announcement of Abstract Acceptances & Early-bird Registration

September 15 – Regular Registration

October 15 – Deadline for Registration



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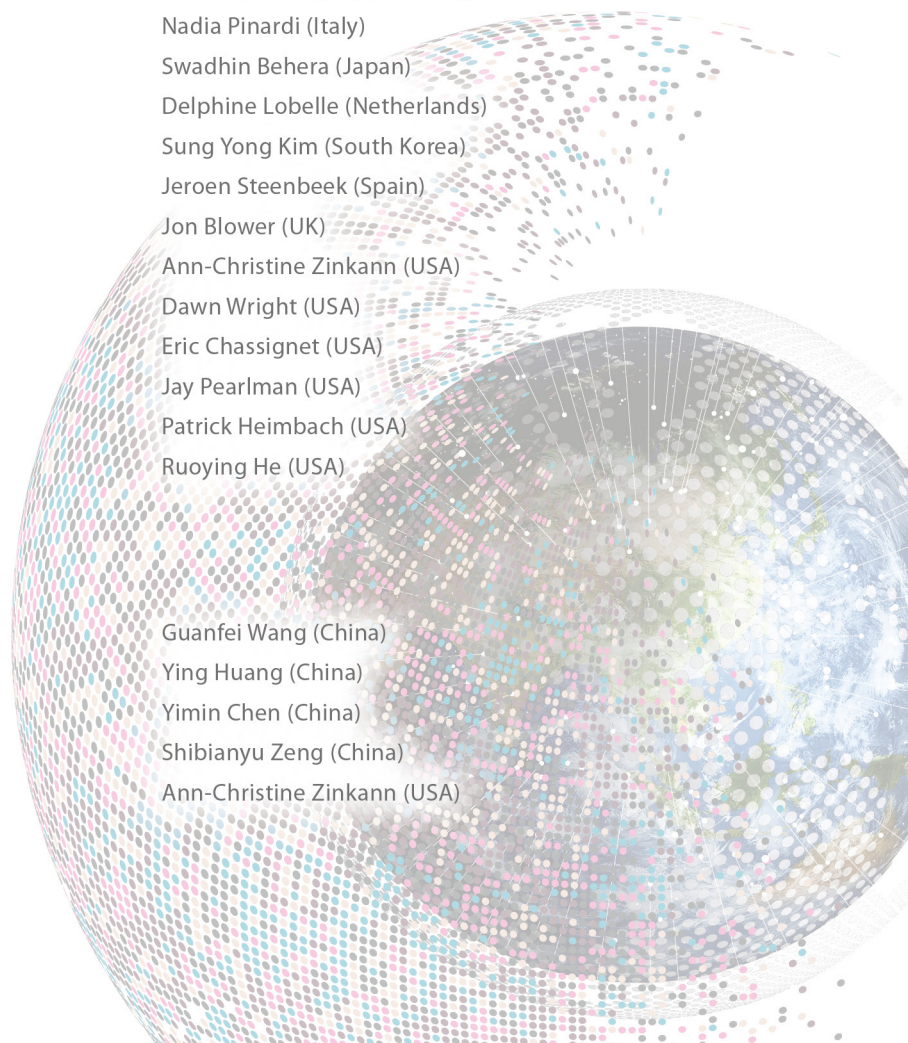
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State Key Laboratory of Marine Environmental Science (Xiamen University)

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