



COLLOQUES &  
CONFÉRENCES

## Where the World is Heading?

22 May 2023

Polish Academy of Sciences Scientific Center in Paris

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Issues related to the sustainable development of oceans constitute 38% of the Sustainable Development Goals, reflecting the fact that over 3 billion people derive their livelihoods from oceans, viewed as sources of food, employment and health benefits. As the global population increases, more people are moving to coastal areas, leading to increased utilization of oceans: greater agricultural runoff, increased tourism, transportation and energy production. Considering the impacts of climate change, the growing *coastal populations* must implement adaptive and mitigating measures in their daily and professional lives.

During the conference held on May 22 at the Polish Academy of Sciences Scientific Center in Paris, speakers from various European countries (France, Poland, Greece, Spain, Lithuania, the United Kingdom and Italy) addressed these issues from different perspectives. The conference was organized by the Institute of Oceanology of the Polish Academy of Sciences and the Polish Academy of Sciences Scientific Center in Paris, in collaboration with several representatives from international institutions, such as UNESCO, the European Marine Board Communication Panel, Gdynia Aquarium, Nausicaa, Sopot Science Association, Today We Have and with the support of the MARBEFES and Blue Mission Banos projects. Importantly, the conference had the status of an Official Side Event of the European Maritime Day 2023 – an annual initiative of the European Union aimed at raising awareness of the ecological and economic impact of seas in human life.

The proceedings took place within two plenary sessions and two panel discussions. One of the main highlights was the speech by Mariusz Lewicki, Permanent Representative of the Republic of Poland to UNESCO.

As a result of the discussions, the participants managed to develop and unanimously adopt five recommendations concerning practices and recommendations for research institutions and decision-makers to improve the quality and effectiveness of communication in the context of the UN Decade of Ocean Science for Sustainable Development 2021-2030.

## **Recommendations for Ocean Communicators**

### **Preamble**

A better understanding of climate and ocean processes, their interactions and the resulting planetary changes is fundamental for the future of humanity. Citizens will not take climate or ocean action without understanding the problem, at least on a basic level.

Knowledge-holders, policymakers, educators and professional communicators must collaborate to communicate knowledge in a way that empowers citizens across the world to develop more sustainable behaviors. The philosophy of sustainability must go hand-in-hand with concrete alternatives to accept habits and socio-economic practices.

The principles of communication, marketing and behavior change can help improve our collective understanding of how people choose and absorb information, and how that information determines beliefs and behaviors around environmental issues.

But how can we foster a more systematic link between these principles and knowledge-holders to ensure we are doing climate and ocean communications right?

### **Recommendations**

1. In the context of the European Marine Day 2023, the event Where the World is Heading brought together a diverse group of scientific and communication experts to tease out five key recommendations of practices and policies research and policy-oriented institutions may adopt to improve the quality and effectiveness of their communications, in the context of the UN Decade of Ocean Science for Sustainable Development 2021-2030:

2. Scientific institutions should create links with climate/ocean-related non-profit organizations and civil society to secure greater opportunity for accurate knowledge transfer to citizens.
3. Scientists should continue redouble efforts in disseminating their results, which should not be limited to scientific papers, but also reach beyond the science community.
4. Scientific institutions should properly staff, equip and fund their communication teams, to ensure they can deliver content beyond simple institutional marketing.
5. Scientific, governmental and various climate and ocean-related institutions should set up collaborative *knowledge hubs* to facilitate sharing of scientific facts in an effective way to the media, to citizens worldwide as well as feed AI with reliable knowledge.
6. National education policymakers are encouraged to include climate and ocean literacy in regular school curricula.

*Translation: Joanna Borkowska*

# Where the World is Heading?



**DATE**  
MONDAY  
MAY 22, 2023



**TIME**  
9 AM TO 5 PM



 Académie Polonaise des Sciences  
Centre Scientifique à Paris  
74 Rue Lauriston, 75116 Paris, France



**THE  
WORLD  
IS  
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Académie Polonaise des Sciences  
Centre Scientifique à Paris







Affiche

∞ PROGRAMME

22/05/2023

09:00–09:10 REGISTRATION

09:10–09:25 WELCOME SPEECHES

Magdalena Sajdak (Director of the Polish Academy of Sciences Scientific Center in Paris, France)

Mirosława Ostrowska (Vice-President of the Polish Academy of Sciences, Poland) ONLINE

Jan Marcin Węsławski (Director of the Institute of Oceanology Polish Academy of Sciences, Poland)

09:25–09:40 Mariusz Lewicki (Permanent Delegate of the Republic of Poland to UNESCO in Paris, France)

Session 1

Moderator: Diana Kogaczewska (Polish Academy of Sciences Scientific Center in Paris, France)

09:40–09:55 Joanna Przedzimirska-Ziółkowska (Institute of Oceanology Polish Academy of Sciences, Poland)

*Importance of marine biodiversity – MARBEFES project*

09:55–10:10 Jan Marcin Węsławski (Institute of Oceanology Polish Academy of Sciences, Poland)

*Marine biodiversity change does not mean the same in different regions of Europe*

- 10:10–10:25 Natalia Szymańska (Institute of Oceanology Polish Academy of Sciences, Poland)  
*Can changes in diversity impact climate change?  
A foraminifera perspective*
- 10:25–10:40 COFFEE BREAK
- 10:40–10:55 Michael Elliott (Institute of Estuarine and Coastal Studies, UK) ONLINE  
*The ecological, socio-ecological and socio-economic valuation of biodiversity*
- 10:55–11:10 Joanna Piwowarczyk (Institute of Oceanology Polish Academy of Sciences, Poland) ONLINE  
*Culture and biodiversity: how strong the links are?  
An exploratory study in the Gulf of Gdansk*
- 11:10–11:25 Angel Perez-Ruzafa (University of Murcia, Spain)  
Artūras Razinkovas-Baziukas (Klaipėda University, Lithuania)  
Paolo Magni (CNR-ORISTANO, Italy)  
*Biodiversity in coastal lagoons from the Mediterranean to the Baltic: drivers and challenges*
- 11:25–12:25 DISCUSSION PANEL  
Moderator: Tymon Zieliński (Institute of Oceanology Polish Academy of Sciences, Poland)  
Julie Bremner (Cefas, UK) ONLINE  
Tasman Crowe (University College Dublin) ONLINE  
Jan Marcin Węśławski (Institute of Oceanology Polish Academy of Sciences, Poland)

12:25–13:25 LUNCH BREAK

## Session 2

Moderator: Tymon Zieliński (Institute of Oceanology Polish Academy of Sciences, Poland)

13:25–13:40 Yolanda Koulouri (Institute of Marine Biology, Biotechnology and Aquaculture, Hellenic Centre for Marine Research, Greece)

*Lessepsian migrants in the Mediterranean Sea: one of the blue challenges of the ERASMUS+ project BlueS\_Med*

13:40–13:55 Guillaume Lheureux (Nausicaá, France)

*Youth4Ocean: empowering the leaders of tomorrow*

13:55–14:10 Vinicius Lindoso (Intergovernmental Oceanographic Commission of UNESCO, France)

*Ocean Literacy and Communications: A Demand and Supply Approach to Mobilizing Action for the Planet*

14:10–14:25 Grażyna Niedoszytko (National Marine Fisheries Research Institute, Gdynia Aquarium, Poland)

*Ocean Literacy in post-goldfish era*

14:25–14:40 María del Carmen García-Martínez (Spanish Institute of Oceanography, Spain)

*The communication we need for the Ocean Science we do*



- 14:40–14:55 Marie-Alexandrine Sicre (Scientific Committee on Oceanic Research, France)  
*Trends in Marine Sciences*
- 14:55–15:10 Izabela Kotyńska-Zielińska (Today We Have) ONLINE  
Tomasz Kijewski (Institute of Oceanology Polish Academy of Sciences, Poland) ONLINE  
*Climate and ocean literacy – how we do it*
- 15:10–15:25 COFFEE BREAK
- 15:25–16:25 FUTURE PERSPECTIVES & THE PARIS DECLARATION
- Moderators: Tymon Zieliński (Institute of Oceanology Polish Academy of Sciences, Poland)  
Magdalena Sajdak (Polish Academy of Sciences Scientific Center in Paris, France)
- 16:25–16:40 CLOSURE