

20 | BIG DATA IN 7<sup>TH</sup> EMB  
20 | MARINE SCIENCE FORUM



 ONLINE

PROGRAMME | 23 OCTOBER 2020

10.00 – 11.00  
OPENING SESSION

10.00 – 10.05 WELCOME

**GILLES LERICOLAIS**

Chair, European Marine Board  
Director of European and International Affairs, IFREMER

10.05 – 10.15 OPENING REMARKS

**ANDREEA STRACHINESCU**

Head, Maritime Innovation, Knowledge and Investments Unit,  
DG MARE, European Commission

10.15 – 10.30 EMB FUTURE SCIENCE BRIEF VIRTUAL TALK

**BIG DATA IN MARINE SCIENCE**

**LIONEL GUIDI**

Chair, EMB Working Group 'Big Data in Marine Science'  
Researcher, Laboratoire d'Océanographie de Villefrance-sur-Mer

10.30 – 10.50 VIRTUAL KEYNOTE ADDRESS

**HOMO DIGITUS OCEANUS: THE HUMAN SIDE OF BIG OCEAN DATA**

**LINWOOD PENDLETON**

Senior Vice-President for Science, Centre for the 4th Industrial Revolution  
International Chair of Excellence, European Institute of Marine Studies

10.50 – 11.00 YOUTH PERSPECTIVES

**SUPPORTING THE OCEAN SYSTEM WITH INTEGRATED BIG DATA**

**NATALIA DUNIC, ALBA GONZÁLEZ VEGA & LIAM LACHS**

EMB Young Ambassadors

11.00 – 11.30  
BREAK

11.30 – 12.30

**THE EUROPEAN GREEN DEAL**

11.30 – 11.45 VIRTUAL TALK

**MARINE SPATIAL PLANNING CHALLENGE SIMULATION  
PLATFORM: SERIOUS GAMING FOR POLICY AND ECOSYSTEM BASED  
MANAGEMENT**

**JEROEN STEENBEEK**

Marine Spatial Planning Challenge  
Senior Software Engineer, Ecopath International Initiative

11.45 – 12.30 PANEL DISCUSSION

**FELIX LEINEMANN**

Head, Blue Economy Sectors, Aquaculture and Maritime Spatial Planning  
Unit, DG MARE, European Commission

**ANTONIA LEROY**

Head of Ocean Policy, WWF Brussels Office

**CLEA PARCERISAS**

PhD Student, Flanders Marine Institute (VLIZ)

**ONDREJ SOCUVKA**

Senior Policy Manager, Google EU

12.30 – 14.00

**BREAK**

14.00 – 15.00

## THE EU BIODIVERSITY STRATEGY

14.00 – 14:15 VIRTUAL TALK

### BIG DATA IN MARINE SCIENCE TO SUPPORT THE EU BIODIVERSITY STRATEGY

**SAKINA-DOROTHÉE AYATA**

Associate Professor, Sorbonne Université, Laboratoire d'Océanographie de Villefranche-sur-Mer

14:15 – 15:00 PANEL DISCUSSION

**ANNE TELLER**

Policy Officer, DG Environment, European Commission

**PATRICK ROOSE**

Operational Director, Royal Belgian Institute for Natural Sciences

**PATRICIA MARTIN-CABRERA**

Data Manager, Flanders Marine Institute (VLIZ)

**WARD APPELTANS**

Marine Biodiversity Programme Specialist, IOC-UNESCO,  
Project Manager, Ocean Biodiversity Information System (OBIS)

15.00 – 15.30

BREAK

15.30 – 16.45

## THE DIGITAL TWIN OCEAN

### 15.30 – 15.45 VIRTUAL TALK – DIGITAL TWIN OCEAN: ISLAND DIGITAL ECOSYSTEM AVATARS (IDEAS) FOR SUSTAINABILITY

**NEIL DAVIES**

Executive Director, Richard Gump South Pacific Research Station  
Research Affiliate, Berkeley Institute for Data Science

### 15:45 – 16:45 PANEL DISCUSSION

**CHRISTIAN KIRCHSTEIGER**

Policy Officer, e-infrastructure and Science Cloud Unit, DG Connect,  
European Commission

**FABIENNE JACQ**

Policy Officer, DG Defence, Industry and Space (DEFIS),  
European Commission

**MARILAURE GREGOIRE**

Research Director, University of Liège,  
Member of Copernicus Marine Scientific and Technical Advisory  
Committee

**SERGE SCORY**

Chair, SeaDataNet

**KATE LARKIN**

Deputy Head, EMODnet Secretariat

16.45 – 17.05

## CLOSING SESSION

### 16.45 – 16.55 CLOSING ADDRESS

**RICARDO SERRÃO SANTOS**

Minister of Maritime Affairs, Portuguese Government

### 16.55 – 17.05 CLOSING STATEMENTS

**SIGI GRUBER**

Head, Healthy Oceans & Seas Unit, DG RTD, European Commission

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# BIG DATA IN 7<sup>TH</sup> EMB FORUM MARINE SCIENCE

The European Marine Board Biennial Open Forum acts as a platform to bring together a wide range of marine science stakeholders to discuss and share knowledge, identify common priorities, develop common positions and collaborate. The 7<sup>th</sup> EMB Forum will foster discussion and collaboration to advance the role of big data, digitalization and artificial intelligence in marine science to support the European Green Deal, the post-2020 EU Biodiversity Strategy, and the development of a Digital Twin Ocean.

Big data is rapidly transforming our society and is leading to a paradigm shift in the way we face major challenges including climate change and the sustainable management of marine resource use. With the expansion of the scale and scope of ocean observing systems and other data sources, there is an increasing flood of highly complex ocean data being generated, often in near real-time. Data need to be integrated and readily available to support decision-making, which can be assisted by artificial intelligence. Find out more in the EMB Future Science Brief No. 6 'Big Data in Marine Science'.



#EMBForum #BigData



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