

20 | BIG DATA IN ^{7TH} 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 – 10.25 OPENING REMARKS

SIGI GRUBER

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

ANDREEA STRACHINESCU

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

10.25 – 10.40 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

10.40 – 11.00 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

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

ANTONIA LEROY

Head of Ocean Policy, WWF Brussels Office

CLEA PARCERISAS

PhD Student, Flanders Marine Institute (VLIZ)

ONDREJ SOCUVKA

Senior Policy Manager, Google EU

FELIX LEINEMANN

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

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

PATRICK ROOSE

Operational Director, Royal Belgian Institute for Natural Sciences

ANNE TELLER

Policy Officer, DG Environment, European Commission

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

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

FABIENNE JACQ

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

16.45 – 17.00

CLOSING SESSION

16.45 – 16.55 CLOSING ADDRESS

RICARDO SERRÃO SANTOS

Minister of Maritime Affairs, Portuguese Government

16.55 – 17.00 YOUTH PERSPECTIVES

EMB YOUNG AMBASSADORS

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BIG DATA IN 7TH 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 7th 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