

# European Marine Board



## Terms of Identity and Governance


Version 5 [DRAFT]

Date: 29 June 2015

### **A note on this document:**

The Terms of Identity and Governance provide an up-to-date summary of the key facts and metrics of the European Marine Board (EMB). The document is an addendum to the EMB Guidelines. The EMB Guidelines are a set of operational principles which provide much greater detail on the governance, instruments and modes of operation of the European Marine Board. The Guidelines are regularly reviewed in accordance with matters arising and submitted to EMB plenary meetings for approval by the Board.

## Key Data

Formal Name	European Marine Board
Short Name	EMB or Marine Board
Logo	
Tag-line	<i>Advancing Seas and Ocean Science</i>
Nature of Activity	Network of European institutions facilitating collaboration and joint delivery of science foresight and strategy advice to inform and guide European science policy and marine/maritime policy
Established <sup>1</sup>	1995 as EMaPS (European Marine and Polar Science Board) 1999: Split from Polar Board to become Marine Board-ESF 2012: Changed formal title to European Marine Board
Legal Entity	Provided legal status through association with the European Science Foundation (ESF). Registered as a <i>centre d'opération</i> of the ESF in Belgium.
ESF logo	
Headquarters	Secretariat based at the InnovOcean site in the harbour of Ostend, Belgium. Office accommodation and support provided by the Government of Flanders through the Flanders Marine Institute (VLIZ).
Contact details	Wandelaarkaai 7 8400 Oostende Belgium Tel: +23 (0)59 34 01 63   Fax: +32 (0)59 34 01 65 Email: <a href="mailto:info@marineboard.eu">info@marineboard.eu</a> Website: <a href="http://www.marineboard.eu">www.marineboard.eu</a>
Chair	Prof. Jan Mees, Flanders Marine Institute, Belgium Elected in May 2014
Number of members	35
Countries represented	19
Observers	European Commission (Directorates General for Research and Innovation, Maritime Affairs and Fisheries, Environment) Intergovernmental Oceanographic Commission (UNESCO-IOC)
Full-time staff	5 (4 employed by ESF, 1 employed by VLIZ)

<sup>1</sup> A description of the EMB history and evolution is provided in Annex 3.

# Objectives and Modes of Operation

## Mission Statement

*The European Marine Board provides a pan-European platform for its member organizations to develop common priorities, to advance marine research, and to bridge the gap between science and policy in order to meet future marine science challenges and opportunities.*

## Aim

The European Marine Board facilitates enhanced cooperation between European organizations involved in marine science towards the development of a common vision on the research priorities and strategies for marine science in Europe. The Board provides the essential components for transferring knowledge from the scientific community to decision makers, promoting Europe's leadership in marine research and technology. Adopting a strategic role, the European Marine Board serves its member organizations by providing a unique forum within which marine research policy advice to national agencies and to the European Commission is developed, with the objective of promoting the establishment of the European *marine* Research Area.

## Activities and Instruments

1. Production of strategic publications on marine science issues:
  - Position papers
  - Future Science Briefs
  - Vision Documents
  - Science Commentaries
  - Statements
2. Participation in, and organization of, marine science-policy conferences , events and workshops, including:
  - EMB Biennial Open Forum
  - EurOCEAN conferences ([www.euroceanconferences.eu](http://www.euroceanconferences.eu))
3. Hosting of thematic panels:
  - European Marine Board Communications Panel
  - European Scientific Diving Panel
4. Participation in strategic EU projects (normally supported by the EU Framework Programme)
  - ERA-NETs (e.g. EU FP6 MarinERA, EU FP7 SEAS-ERA)
  - Coordination and Support Actions (e.g. EU FP7 CLAMER, EMAR<sup>2</sup>RES, MARCOM+, MarineBiotech, STAGES; H2020 AtlantOS, Sea Change)
5. Ongoing information and advice to members on developments in European marine science and science policy.
6. Participation in external Advisory Panels.

## Membership

Three kinds of organizations are eligible for EMB membership:

- National Research Performing Organizations (e.g. major national marine or oceanographic institutes);
- National Research Funding Organizations (e.g. national research councils and ministries which fund marine research); and
- Consortia of national third-level institutes\*

*\*Membership was opened to this category in 2010 on the basis of agreed criteria included in the Marine Board guidelines.*

Membership is open to eligible organizations from countries which are members of the Council of Europe. Membership is restricted to a maximum of three organizations per country.

## Governance

The European Marine Board comprises of three layers of governance:

- The Board
- The Executive Committee
- The Secretariat

### The Board

The Board consists of representatives of the 36 (June 2015) member organizations, each represented by a single delegate (or a nominated alternate). The Board meets in plenary twice per year in spring (normally April) and autumn (normally October). The Board is the highest level of governance and makes decisions on activities, strategic directions and operational principles of the European Marine Board. Decisions are generally reached by consensus; voting is normally only required for ExCom elections.

*Annex 1 provides a full listing of Marine Board Member Organizations, delegates and alternates as of May 2014.*

### The Executive Committee

The Executive Committee (ExCom) is composed of the EMB Chair, six vice-Chairs and the Executive Secretary (as *ex-officio* member), who is the Head of the EMB Secretariat. The Chair and vice-Chairs are elected by the EMB member organizations. The Chair and vice-Chairs do not represent their organizations at the ExCom. They act in the best interest of the European Marine Board and its objectives. The ExCom meets 3-4 times per year to provide oversight and guidance to the Secretariat in implementing ongoing EMB activities and to formulate strategic guidance to the Board on future activities and directions.

*Annex 2 provides a listing of the current ExCom membership.*

## **The Secretariat**

The Secretariat supports the overall coordination and management of the EMB and implements the decisions and activities approved by the Board and ExCom. Reporting directly to the Board and ExCom, the Secretariat is responsible for serving as the principal focal point for the EMB member organizations and as a facilitator between the member organizations and the European Commission and other agencies. As a continuous task, the Secretariat monitors marine research and science policy developments, keeping abreast of developments at national, European and global levels.

The Secretariat consists of a team of four Science Officers and an Administration and Coordination Officer, under the management of an Executive Secretary (see table in Annex 2 for current staff).

*Annex 2 provides a listing of the current Secretariat staff.*

## **ESF**

The EMB Secretariat staff, with the exception of the Administration and Coordination Officer, are employed by ESF. The Executive Secretary is *de facto* a Head of Unit at ESF. The Executive Secretary reports to the ESF Chief Executive on financial and administrative, but not scientific or strategic, matters.

*Annex 2 provides a listing of the current ESF Chief Executive.*

## Annex 1. Marine Board Member Organizations, Delegates and Alternates

Member Organization	Country	Delegate	Alternate
<a href="#">Belgian Science Policy Office (BELSPO)</a>	Belgium	 David Cox	
<a href="#">Fonds National de la Recherche Scientifique (FNRS)</a> National Funding for Scientific Research	Belgium	 Jean-Marie Beckers	
<a href="#">Fonds voor Wetenschappelijk Onderzoek - Vlaanderen (FWO)</a> Funds for Scientific Research - Flanders	Belgium	 <b>Jan Mees (Chair)</b>	
<a href="#">Institut za oceanografiju i ribarstvo (IZOR)</a> Institute of Oceanography and Fisheries	Croatia	 Ivica Vilibic	
<a href="#">Institut Ruđer Bošković (IRB)</a> Ruđer Bošković Institute	Croatia	 Robert Precali	
<a href="#">Οικεανογραφικού Κέντρου Κύπρου</a> Cyprus Oceanography Centre	Cyprus	 Georgios Georgiou	
<a href="#">Institut for Akvatisk Ressourcer (DTU Aqua)</a> National Institute for Aquatic Resources	Denmark	 Fritz Köster	Kirsten Thomsen
<a href="#">Eesti Teaduste Akadeemia</a> Estonian Academy of Sciences	Estonia	 Tarmo Soomere (vice-Chair)	
<a href="#">Centre National de la Recherche Scientifique (CNRS)</a> National Centre for Scientific Research	France	 Jean-Marie Flaud	
<a href="#">Institut Français de Recherche pour l'Exploitation de la Mer (IFREMER)</a> French Research Institute for Exploitation of the Sea	France	 Gilles Lericolais (vice-Chair)	
<a href="#">Universités Marine</a> Marine Universities of France	France	 Yves-Marie Paulet	
<a href="#">Deutsche Forschungsgemeinschaft (DFG)</a> German Research Foundation	Germany	 Michael Schulz	
<a href="#">Helmholtz Gemeinschaft (HGF)</a> Helmholtz Association	Germany	 Peter Herzig	
<a href="#">Konsortium Deutsche Meeresforschung (KDM)</a> German Marine Research Consortium	Germany	 Jan-Stefan Fritz (vice-Chair)	Rolf Peinert
<a href="#">Ελληνικό Κέντρο Θαλάσσιων Ερευνών</a> Hellenic Centre for Marine Research (HCMR)	Greece	 Vasileios Lykousis	
<a href="#">Marine Institute</a>	Ireland	 Fiona Grant	Michael Gillooly
<a href="#">Irish Marine Universities Consortium</a>	Ireland	 Anthony Grehan	
<a href="#">Consiglio Nazionale delle Ricerche (CNR)</a> National Research Council	Italy	 Enrico Brugnoli	
<a href="#">Istituto Nazionale di Oceanografia e di Geofisica Sperimentale (OGS)</a> National Institute of Oceanography and Experimental Geophysics	Italy	 Alessandro Crise (vice-Chair)	
<a href="#">Consorzio Nazionale Interuniversitario per le Scienze del Mare (CoNISMa)</a> National Inter-University Consortium for Marine Sciences	Italy	 Ferdinando Boero	
<a href="#">Klaipeda University</a>	Lithuania	 Artūras Razinkovas-Baziukas	
<a href="#">Nederlandse Organisatie voor Wetenschappelijk Onderzoek (NWO)</a> Netherlands Organisation for Scientific Research	The Netherlands	 Josef F. Steufer	

<a href="#"><u>Royal Netherlands Institute for Sea Research (NIOZ)</u></a>	The Netherlands		Henk Brinkhuis	Jan de Leeuw
<a href="#"><u>Havforskningsinstituttet</u></a> Institute of Marine Research (IMR)	Norway		Erlend Moksness (vice-Chair)	Tore Nepstad
<a href="#"><u>NorgesForskningsradet</u></a> The Research Council of Norway (RCN)	Norway		Lars Horn	
<a href="#"><u>Universiteteti Bergen (UiB)</u></a> Marine Strategic Board I University of Bergen	Norway		Helga Flesche Kleiven	
<a href="#"><u>InstytutOceanologiiPolskiejAkademiiNauk (IO-PAN)</u></a> Institute of Oceanology of the Polish Academy of Sciences	Poland		Slawomir Sagan	
<a href="#"><u>Centro de InvestigaçãMarinha e Ambiental (CIMAR)</u></a> Centre of Marine and Environmental Research	Portugal		Vitor Vasconcelos	
<a href="#"><u>Fundaçãopara a Ciênciã e a Tecnologia (FCT)</u></a> Science and Technology Foundation			Mario Ruivo	
<a href="#"><u>Institutul National de Cercetare - Dezvoltare Marina "GrigoreAntipa"</u></a> National Institute for Marine Research and Development "GrigoreAntipa"	Romania		Vasile Patrascu	
<a href="#"><u>InstitutoEspanol de Oceanografia (IEO)</u></a> Spanish Institute of Oceanography	Spain		Calos Garcia Soto	
<a href="#"><u>TürkiyeBilimselveTeknikArastirmaKurumu (TUBITAK)</u></a> Scientific and Technological Research Council of Turkey	Turkey		Leyla Tolun	
<a href="#"><u>Marine Alliance for Science and Technology Scotland (MASTS)</u></a>	United Kingdom		Mark James (vice-Chair)	David Paterson
<a href="#"><u>Natural Environment Research Council (NERC)</u></a>	United Kingdom		Stephen Hall	Mike Webb
<a href="#"><u>National Oceanography Centre (NOC)</u></a>	United Kingdom		Edward Hill	

## Annex 2. Executive Committee (ExCom) and Secretariat (June 2015)

### European Marine Board Executive Committee

Name	Position	Organization & Country
<b>Jan Mees</b>	Chair	Flanders Marine Institute (VLIZ), Belgium
<b>Alessandro Crise</b>	vice-Chair	National Institute of Oceanography and Experimental Geophysics (OGS), Italy
<b>Jan-Stefan Fritz</b>	vice-Chair	German Marine Research Consortium (KDM), Germany
<b>Mark James</b>	vice-Chair	Marine Alliance for Science and Technology for Scotland, UK
<b>Gilles Lericolais</b>	vice-Chair	French Research Institute for Exploitation of the Sea (Ifremer), France
<b>Erlend Moksness</b>	vice-Chair	Institute of Marine Research (IMR), Norway
<b>Tarmo Soomere</b>	vice-Chair	Estonian Academy of Science, Estonia
<b>Niall McDonough</b>	Executive Secretary	Head of Secretariat, <i>Ex-officio</i> member

### Secretariat

Name	Position
<b>Niall McDonough</b>	Executive Secretary
<b>Kate Larkin</b>	Senior Science Officer
<b>Nan-Chin Chu</b>	Science Officer
<b>Veronica French</b>	Science Officer
<b>Karen Donaldson</b>	Scientific Administrator

### ESF

Name	Position
<b>Martin Hynes</b>	ESF Chief Executive
<b>Jean-Claude Worms</b>	ESF Head of Science Support



### **Annex 3. The European Marine Board – History and Evolution**

**1989 – 1995:** The Marine Board can trace its origins to the **European Committee for Ocean and Polar Science (ECOPS)**, a forum of leading European marine scientists. ECOPS was established jointly by the ESF and the European Commission (DG Research) in 1989 to identify the “*Grand Challenges*” in ocean and polar science. During discussions between ECOPS and the directors of Europe’s research institutes and funding organizations, these latter organisations, recognising the advantages of networking, decided to set up their own forum. Discussions on the establishment of this forum began in 1993.

**1995 – 1998:** In 1995, an offer from the European Commission to co-fund a preparatory action under the EU FP MAST Programme, with matching funds from Member Organisations, resulted in the establishment of the **European Marine and Polar Science (EMaPS) Board**. In 1998, an independent review of the EMaPS Board resulted in the establishment of two separate entities, the **European Polar Board** and the **Marine Board-ESF**.

**1999 – 2015:** The Marine Board has evolved into a dynamic, innovative and creative organization drawing on its membership and the wider marine science community to advance the European marine research and policy agenda and to promote the importance of science and technology in sustainable ocean development and governance. In 2007, the Marine Board relocated its Secretariat from Strasbourg to a maritime location within the aptly named [InnovOcean site](#) in city of Ostend, Belgium. The move was made possible by a generous offer from the Government of Flanders, which continues to provide invaluable support to the hosting of the Secretariat today.

The creation of [expert working groups](#), the publication of strategic [publications](#), the facilitation of major marine science-policy conferences (e.g. [EurOCEAN conference series](#)) have all contributed to the development of a more coordinated and integrated policy framework for marine science and ocean stewardship, contributing to societal needs. The EMB’s [Navigating the Future IV](#) published in 2013 provided a detailed set of priorities to guide EU and national marine research investments over the timeframe of Horizon 2020 programme.

In 2013, the Marine Board changed its name to the **European Marine Board (EMB)**, introduced a new logo and expanded its Secretariat to six staff members.

Looking ahead, the EMB will continue to operate as the foremost platform for seas and oceans strategy and foresight in Europe. The Board has built a strong reputation through development of rigorous processes for delivering science policy advice and will continually adapt to the changing landscape for marine science policy. The EMB will work with key partner networks to advance marine science and identify emerging challenges and opportunities of societal importance.

## Annex 4. List of European Marine Board Publications

### Position Papers:

- Rogers A.D. *et al.* (2015) **Delving Deeper: Critical challenges for 21st century deep-sea research**. European Marine Board Position Paper 22. Larkin, KE, Donaldson K, McDonough, N (Eds). European Marine Board, Ostend, Belgium, 2014.  
Coordinating author: Alex D. Rogers; Contributing authors: Andy Brierley, **Peter** Croot, Marina Cunha, Roberto Danovaro, Colin Devey, Alf Haakon Hoel, Henry Ruhl, Pierre-Marie Sarradin, Seline Trevisnaut, Helena Viera, Martin Visbeck
- Flemming N.C. *et al.* (2014) **Land beneath the waves: State of the art, key opportunities and recommendations to advance the European Continental Shelf Prehistoric Research**. European Marine Board Position Paper 21. McDonough N, Chu, NC (Eds). European Marine Board, Ostend, Belgium, 2014.  
Coordinating author: Nicholas C. Flemming; Contributing authors: M. Namık Çağatay, Francesco Latino Chiocci, Nena Galanidou, Gilles Lericolais, Hauke Jöns, Tine Missiaen, Fionnbarr Moore, Alar Rosentau, Dimitris Sakellariou, Birgitte Skar, Alan Stevenson, and Henk Weerts. Special Contributions: Geoff Bailey and Deukalion Planning Group (Annex 2), Anders Fischer, Sunhild Kleingärtner and Ian Oxley
- European Marine Board (2013). **Navigating the Future IV**. Position Paper 20 of the European Marine Board, Ostend, Belgium. ISBN: 9789082093100
- Moore M., *et al.* (2013). **Linking Oceans and Human Health: A Strategic Research Priority for Europe**. Position Paper 19. McDonough N., Evrard M., Calewaert JB., French V. (Eds). European Marine Board, Ostend, Belgium. 2013.  
Contributing authors: Michael N. Moore, Craig Baker-Austin, Michael H. Depledge, Iora Fleming, Philipp Hess, David Lees, Paul Leonard, Lise Madsen, Richard Owen, Hans Pirlet, Mathew White, Vitor Vasconcelos, Nicholas Boase, Nicholas Osborne, Aldo Viarengo
- Olsen E. M., *et al.* (2013). **Achieving Ecologically Coherent MPA Networks in Europe: Science Needs and Priorities**. Marine Board Position Paper 18. Larkin, K. E. and McDonough N. (Eds.). European Marine Board, Ostend, Belgium. ISBN 978-9-079528-19-6. 84pp.  
Contributing authors: Luciano Fonseca, Raquel Goñi, David Johnson, Stelios Katsanevakis, Enrique Macpherson, Esben Moland Olsen, Dominique Pelletier, Marijn Rabaut, Marta Chantal Ribeiro, Phil Weaver, Tania Zaharia
- Haugan, P. (2013). **Getting ready for an ice-free Arctic**. McDonough, N. & Larkin, K. E. (Eds.) Marine Board Science Commentary 1, European Marine Board, Ostend, Belgium.
- Heip, C., & McDonough, N. (2012). **Marine Biodiversity: A Science Roadmap for Europe**. Marine Board Future Science Brief 1, European Marine Board, Ostend, Belgium. ISBN: 978-2-918428-75-6.
- Glöckner, F. O. *et al.* (2012). **Marine Microbial Diversity and its role in Ecosystem Functioning and Environmental Change**. Marine Board Position Paper 17. McDonough N., Calewaert J-B. (Eds.). Marine Board-ESF, Ostend, Belgium.  
Contributing authors: Lucas J. Stal, Ruth-Anne Sandaa, Josep Maria Gasol, Fergal O'Gara, Francisco Hernandez, Matthias M. Labrenz, Elena Stoica, Marta Varela Rozados, Adriano Bordalo, Paraskevi Pitta.

- Roose, P. *et al.* (2011). **Monitoring chemical pollution in Europe's Seas - programmes, practices and priorities for research.** McDonough N., Calewaert J-B. (Eds.). Marine Board-ESF, Ostend, Belgium.

Contributing authors: Joan Albaigés, Maria João Bebianno, Kees Camphuysen, Margot Cronin, Jan de Leeuw, Geir Wing Gabrielsen, Thomas Hutchinson, Ketil Hylland, Colin Janssen, Bo Jansson, Bjørn Munro Jenssen, Patrick Roose, Detlef Schulz-Bull, Piotr Szefer.
- Querellou J. *et al.* (2010). **Marine Biotechnology: A Vision and New Strategy for Europe. Marine Board Position Paper 15.** McDonough N., Calewaert J-B. (Eds.). Marine Board-ESF, Ostend, Belgium. ISBN 978-2-918428-26-8, 94pp.

Contributing authors: Torger Borresen, Catherine Boyen, Alan Dobson, Manfred Hofle, Adrianna Ianora, Marcel Jaspars, Anake Kijjoa, Jan Olafsen, Joel Querellou, George Rigos, Rene Wijffels.

Special contributions: Chantal Compere, Michel Magot, Jeanine Olsen, Philippe Potin, Filip Volckaert.
- Rice J. *et al.* (2010). **Science Dimensions of an Ecosystem Approach to Management of Biotic Ocean Resources, SEAMBOR. Marine Board Position Paper 14.** McDonough N., Carbonnière A. (Eds.). Marine Board-ESF, Ostend, Belgium. ISBN 978-2-918428-10-7, 90pp.

Contributing authors: Maria de Fátima Borges, Anthony Grehan, Andrew Kenny, Harald Loeng, Francesc Maynou, Jake Rice, Ricardo Serrão Santos, Hein Rune, Skjoldal, Olivier Thébaud, Vassiliki Vassilopoulou, Filip Volckaert. External contributions: Olivier Curtil, Harold Levrel.
- Boyd I. *et al.* (2008). **The Effects of Anthropogenic Sounds on Marine Mammals. Marine Board Position Paper 13.** Connolly N., Calewaert J-B. (Eds.). Marine Board-ESF, Ostend, Belgium. ISBN 2-912049-85-7, 94pp.

Coordinating authors: Ian Boyd, Bob Brownell, Doug Cato, Chris Clark, Dan Costa, Peter Evans, Jason Gedamke, Roger Gentry, Bob Gisiner, Jonathan Gordon, Paul Jepson, Patrick Miller, Luke Rendell, Mark Tasker, Peter Tyack, Erin Vos, Hal Whitehead, Doug Wartzok, Walter Zimmer.
- Robinson I.S. *et al.* (2008). **Remote Sensing of Shelf Sea Ecosystems. Marine Board Position Paper 12.** Connolly N., Walter N., Calewaert J-B. (Eds.). Marine Board-ESF, Strasbourg, France. ISBN 2-912049-77-6, 62pp.

Contributing authors: David Antoine, Miroslaw Darecki, Patrick Gorringer, Lasse Pettersson, Ian S. Robinson, Kevin Ruddick, Rosalia Santoleri, Herbert Siegel, Patrick Vincent, Marcel R. Wernand, Guy Westbrook, Giuseppe Zibordi.
- Connolly N. *et al.* (Eds) (2007). **Marine Board Responses to the European Commission's Green Papers:**

**(i) Towards a future Maritime Policy for the Union: A European vision for the oceans and seas and (ii) The European Research Area: New Perspectives EC's Green Papers on: Maritime Policy, and the ERA. Marine Board Position Paper 11.** Marine Board-ESF, Strasbourg, France. ISBN 2-912049-73-3, 46pp.

Developed from existing Marine Board-ESF publications and discussions with Marine Board Delegates and Executive Committee.
- Binot J. *et al.* (2007). **European Ocean Research Fleets – Towards a Common Strategy and Enhanced Use. Marine Board Position Paper 10.** Connolly N., Carbonnière A. (Eds.). Marine Board-ESF, Strasbourg, France. ISBN 2-912049-62-8, 62pp.

Contributing authors: Jacques Binot, Juanjo Dañobeita, Thomas Muller, Per Wilhelm Nieuwejaar, Marieke J. Rietveld, Paul Stone. Special contributions: Massimiliano di Bitteto, John Breslin, Klaus

von Broeckel, Joao Coimbra, Dimitris Georgopoulos, Mick Gillooly, Hannu Gronvall, Jan Piechura, Frans Veenstra.

- Philippart C.J.M. *et al.* (2007). **Impacts of Climate Change on the European Marine and Coastal Environment – Ecosystems Approach. Marine Board Position Paper 9.** Connolly N., Walter N. (Eds). Marine Board-ESF, Strasbourg, France. ISBN 2-912049-63-6, 84pp.  
Contributing authors: Ricardo Anadón, Roberto Danovaro, Joachim W. Dippner, Kenneth F. Drinkwater, Stephen J. Hawkins, Geoffrey O’Sullivan, Temel Oguz, Catharina J.M. Philippart, Philip C. Reid.
- Minster J-F., Connolly N. *et al* (Eds) (2006). **Navigating the Future III. Marine Board Position Paper 8.** Marine Board-ESF, Strasbourg, France. ISBN 2-912049-59-8, 69pp.  
Contributing editors: Aurélien Carbonnière, Niamh Connolly, Jan de Leeuw, Maud Evrard, Jan Mees, Jean-François Minster, Kostas Nittis, Geoffrey O’Sullivan, Nicolas Walter.
- Prandle D. *et al.* (2005). **Modelling in Coastal and Shelf Seas – European Challenges. Marine Board Position Paper 7.** Connolly N., Walter N. (Eds). Marine Board-ESF, Strasbourg, France. 30pp.  
Contributing authors: João Gomes Ferreira, Wolfgang Fennel, Michael Hartnett, Peter Herman, Michiel Knaapen, Hans Los, Morten Pejrup, Thomas Pohlmann, David Prandle, Roger Proctor, Yann-Hervé de Roeck, Karline Soetaert, Takvor Soukissian, Tapani Stipa, Georg Umgieser, Waldemar Walczowski.
- Mantoura F., Boissonnas J., d’Ozouville L., Connolly N. (2003). **Navigating the Future II - Summary of Integrating Marine Science in Europe. Marine Board Position Paper 6.** Minster J-F. *et al* (Eds). Marine Board-ESF, Strasbourg, France. 24pp.  
Editors: John Marks, Jean-François Minster, Mario Ruivo, Silvana Vallerga; Other Contributors: Avan Antia, Laura Castellucci, Juanjo Dañobeitia, Jens Degett, Bob Dickson, Graham Edgar, Paul Galvin, David Griffith, Gwyn Griffiths, Harlyn Halvorson, Carlo Heip, Jean-Pierre Henriet, Catherine Jeandel, Frank Lamy, Jacques Legrand, Han Lindeboom, Karin Lochte, Jens Meincke, Geoffrey O’Sullivan, Nadia Pinardi, Gérard Riou, Douglas Wallace, Gerold Wefer, John Woods.
- Mantoura F., Boissonnas J., d’Ozouville L., Connolly N. (2002). **Integrating Marine Science in Europe. Marine Board Position Paper 5.** Minster J-F. *et al* (Eds). Marine Board-ESF, Strasbourg, France. 148pp.  
Editors: John Marks, Jean-François Minster, Mario Ruivo, Silvana Vallerga; Other Contributors: Avan Antia, Laura Castellucci, Juanjo Dañobeitia, Jens Degett, Bob Dickson, Graham Edgar, Paul Galvin, David Griffith, Gwyn Griffiths, Harlyn Halvorson, Carlo Heip, Jean-Pierre Henriet, Catherine Jeandel, Frank Lamy, Jacques Legrand, Han Lindeboom, Karin Lochte, Jens Meincke, Geoffrey O’Sullivan, Nadia Pinardi, Gérard Riou, Douglas Wallace, Gerold Wefer, John Woods.
- Halvorson H. *et al.* (2001). **Marine Biotechnology – A European Strategy for Marine Biotechnology. Marine Board Position Paper 4.** Mantoura F. (Ed). Marine Board-ESF, Strasbourg, France. ISBN 2-912049-29-6, 30pp.  
Contributing authors: Maria Alexis, Grant Burgess, Joao Coimbra, Yves le Gal, Maura Grealy, David Gutnick, Harlyn Halvorson, Manfred Höfle, Zuzana Smolenicka, Bernt Walther, Roman Wenne;  
Special consultant: Jan A. Olafsen.
- Boissonnas J., d’Ozouville L. *et al.* (2001). **Navigating the Future – Towards a Marine European Research Area. Marine Board Position Paper 3.** Marine Board-ESF, Strasbourg, France. 14pp.

Core Drafting Group: J. Boissonnas, O.R. Godø, C. Jeandel, J.W. de Leeuw, K. Lochte, R.F.C. Mantoura, J. Marks, J.F. Minster, G. O'Sullivan, L. d'Ozouville, S. Vallerga, G. Wefer; Other contributors: H. Halvorson, C. Heip, B. B. Jørgensen.

- Boissonnas J., d'Ozouville L. *et al.* (2000). **Towards a European Marine Research Area. Marine Board Position Paper 2.** Marine Board-ESF, Strasbourg, France. 54pp.  
Core Drafting Group: J. Boissonnas, O.R. Godø, C. Jeandel, J.W. de Leeuw, K. Lochte, R.F.C. Mantoura, J. Marks, J.F. Minster, G. O'Sullivan, L. d'Ozouville, S. Vallerga, G. Wefer; Other contributors: H. Halvorson, C. Heip, B. B. Jørgensen.
- Heip C., Hummel H. (2000). **Establishing a Framework for the Implementation of Marine Biodiversity Research in Europe. Marine Board Position Paper 1.** Mantoura F. (Ed). Marine Board-ESF, Strasbourg, France. ISBN 2-912049-13-X, 50pp.

#### **Future Science Briefs :**

- Heip C., McDonough N. **Marine Biodiversity: A Science roadmap for Europe.** Marine Board Future Science Brief 1. European Marine Board, Ostend, Belgium. 2012. ISBN 978-2-918428-75-6, 32pp.

#### **Policy Briefs: •**

- Larkin, K.E., Donaldson, K., McDonough, N., Rogers, A.D. (2015) **Delving Deeper: How can we achieve sustainable management of our deep sea through integrated research?** EMB Policy Brief No.2, European Marine Board, Ostend, Belgium.
- Chu, N.C., McDonough, N., Flemming, N.C. (2014) **How did our ancestors adapt to sea-level change? Safeguard European underwater heritage through Continental Shelf Prehistoric Research,** EMB Policy Brief No.1, European Marine Board, Ostend, Belgium. ISSN 0778-3590

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