

Center for Oceans Law and Policy

Series Editor

Myron H. Nordquist
John Norton Moore

VOLUME 22

The titles published in this series are listed at brill.com/colp

The Marine Environment and United Nations Sustainable Development Goal 14

Life below Water

Edited by

Myron H. Nordquist
John Norton Moore
Ronán Long



SARCHI CHAIR LAW

BRILL
NIJHOFF

LEIDEN | BOSTON

Contents

Preface IX
Acknowledgments XIII

Featured Remarks

The Marine Environment and UN Sustainable Development

Goal 14 3
Arif Havas Oegroseno

Biodiversity Studies 8
Hasjim Djital

UNCLOS 35 Years Later: We Are Still at Sea 10
N. Hassan Wirajuda

Revisiting the Law of the Sea Negotiations 16
Satya N. Nandan

PART I

Conservation and Sustainable Use of Oceans and Their Resources

1 Promoting the Conservation and Sustainable Use of the Oceans through Cooperative Decision Making 25
Rena Lee

2 The Conservation and Sustainable Use of Marine Biodiversity: Siamese Twins? 33
Liesbeth Linzaad

3 Toward Seafood Resilience: How to Achieve Sustainable Fisheries Development 50
Melda Kamil Ariadno

4 Future Opportunities and Challenges in Developing Sustainable Offshore Indonesian Fisheries 66
Alistair McIlgorm and Brooke Campbell

Library of Congress Cataloging-in-Publication Data

Names: Nordquist, Myron H., editor. | Moore, John Norton, 1937- editor. | Long, Ronán J., editor.

Title: The marine environment and United Nations sustainable development goal 14 : life below water / edited by Myron H. Nordquist (University of Virginia School of Law); John Norton Moore (University of Virginia School of Law); Ronán Long (World Maritime University - Sasakawa Global Institute).

Description: Leiden ; Boston : Brill Nijhoff, 2018. | Series: Center for oceans law and policy. ISSN 1872-7158 ; VOLUME 22 | Includes index.

Identifiers: LCCN 2018033944 (print) | LCCN 2018035197 (ebook) | ISBN 9789004366619 (E-book) | ISBN 9789004364202 (hardback : alk. paper)

Subjects: LCSH: Marine resources conservation--Law and legislation. | Sustainable development--Law and legislation. | Marine pollution--Law and legislation. | Marine biodiversity. | United Nations Convention on the Law of the Sea (1982 December 10)

Classification: LCC K3485 (ebook) | LCC K3485 .M39 2018 (print) | DDC 346.04/695616--dc23

LC record available at <https://lccn.loc.gov/2018033944>

Typeface for the Latin, Greek, and Cyrillic scripts: "Brill". See and download: brill.com/brill-typeface.

ISSN 1872-7158

ISBN 978-90-04-36420-2 (hardback)

ISBN 978-90-04-36661-9 (e-book)

Copyright 2019 by Koninklijke Brill NV, Leiden, The Netherlands. Koninklijke Brill NV incorporates the imprints Brill, Brill Hes & De Graaf, Brill Nijhoff, Brill Rodopi, Brill Sense, Hotel Publishing, mentis Verlag, Verlag Ferdinand Schöningh and Wilhelm Fink Verlag. All rights reserved. No part of this publication may be reproduced, translated, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior written permission from the publisher.

Authorization to photocopy items for internal or personal use is granted by Koninklijke Brill NV provided that the appropriate fees are paid directly to The Copyright Clearance Center, 222 Rosewood Drive, Suite 910, Danvers, MA 01923, USA. Fees are subject to change.

This book is printed on acid-free paper and produced in a sustainable manner.

Printed by Printforce, the Netherlands

PART 2

Biodiversity beyond National Jurisdiction

- 5 Bridging the Ocean, Water and Climate Action Goals under the 2030 Agenda on Sustainable Development 83
Ronán Long and Mariamalia Rodriguez Chaves
- 6 Realising Biodiversity Conservation and Sustainable Use in Southern Hemisphere Oceans beyond National Jurisdiction: Challenges and Prospects 111
Robin Warner
- 7 The BBNJ PrepCom and Institutional Arrangements: The Hype about the Hybrid Approach 137
Kristine Dalaker Kraabel
- 8 The Legal Framework and Relevant Issues on the Marine Protected Areas in the Areas beyond National Jurisdiction 173
Su Jin Park and Ki Hyeon Kim
- 9 Marine Genetic Resources beyond National Jurisdiction and Sustainable Development Goals: The Perspective of Developing Countries 194
A. Gusman Siswandi

PART 3

Status of Deep Seabed Minerals

- 10 Status of Deep Seabed Minerals: Introductory Remarks 229
Alfonso Ascencio-Herrera
- 11 Efforts to Enhance Deep Seabed Activities and Korean Law on Exploration for and Exploitation of Resources in the Deep Seabed Area 234
Seokwoo Lee and Hee Cheol Yang
- 12 The Role of Science for Environmental Impact Evaluation Resulting from Ocean Mining 251
Tomohiko Fukushima

- 13 The International Seabed Authority's Publication of Revised Draft Exploitation Regulations: On the Right Track but Significant Work Remains to Be Done 263
Steven Potter

PART 4

Marine Pollution and Coastal Ecosystems

- 14 Marine Debris in Indonesia: State of Understanding and Ongoing Efforts in Reducing Its Impacts on Marine Habitat 285
Brahmanyasa Satyamurti Poerwadi and Abdul Muhari
- 15 A Perspective on Marine Pollution 291
Stephen A. Macko
- 16 A Human Rights Perspective on the Protection of Coastal Ecosystems from Land-Based Marine Pollution under the United Nations Convention on the Law of the Sea 309
Chie Kojima

PART 5

Climate Change and the Oceans

- 17 Ocean Acidification and Sustainable Development Goal 14: A Goal but No Target? 323
Karen N. Scott
- 18 Sea Level Rise and the Law of the Sea: Maritime Zones and Maritime Boundaries 342
J. Ashley Roach
- 19 Climate Change and the Arctic: Legal Regulations in Changing Times 368
Elise Johansen
- 20 An Overview of Ocean Acidification: Relationships 391
Stephen A. Macko and Christina M. Fantasia

Index 419