

The Wicked Problem of Forest Policy

Forests play an important role in resolving global challenges such as sustainable development, climate change, biodiversity loss, and food and water security. Stopping deforestation is crucial for the future of our planet. Global efforts to curb deforestation have been partially successful, but have largely fallen short. At the same time, national-level efforts to support human development, reflected in the United Nations (UN) Sustainable Development Goals, aim to increase the welfare and wellbeing of populations living in poverty. Meeting these development goals will inevitably have crosscutting effects on initiatives to address deforestation. In balancing these goals, policy makers are confronted with wicked problems – or problems with moral considerations and where limited information is available for policy makers. This book is focused on how wicked forest policy problems have, and can be, addressed.

WILLIAM NIKOLAKIS is a lawyer and a lecturer in the Faculty of Forestry at the University of British Columbia, Canada. He is the deputy coordinator of the International Union of Forest Research Organizations (IUFRO) Task Force, 'Resources for the Future: Transformation in Forest Use', a multidisciplinary and international network of forestry experts that evaluates forest policy and governance. His academic work is focused on natural resources governance and law, and on resolving complex problems and trade-offs in this context. Dr Nikolakis has paid particular attention to resource allocations and rights to Indigenous communities.

JOHN L. INNES is Professor and Dean of the Faculty of Forestry at the University of British Columbia, Canada. He teaches in the field of international forestry. Since arriving at the University of British Columbia, he has worked on a range of issues associated with forest management. He is actively involved in climate change research, particularly its effects on forest ecosystems and the development of appropriate management strategies for adaptation, and in 2007 was part of the Intergovernmental Panel on Climate Change team that shared the Nobel Peace Prize with Al Gore.

Cambridge University Press
978-1-108-47140-4 — The Wicked Problem of Forest Policy
Edited by William Nikolakis , John Innes
Frontmatter
[More Information](#)

Cambridge University Press
978-1-108-47140-4 — The Wicked Problem of Forest Policy
Edited by William Nikolakis, John Innes
Frontmatter
[More Information](#)

The Wicked Problem of Forest Policy

A Multidisciplinary Approach to
Sustainability in Forest Landscapes

Edited by

WILLIAM NIKOLAKIS

University of British Columbia

JOHN L. INNES

University of British Columbia



CAMBRIDGE
UNIVERSITY PRESS

Cambridge University Press
 978-1-108-47140-4 — The Wicked Problem of Forest Policy
 Edited by William Nikolakis, John Innes
 Frontmatter
[More Information](#)

CAMBRIDGE UNIVERSITY PRESS

University Printing House, Cambridge CB2 8BS, United Kingdom

One Liberty Plaza, 20th Floor, New York, NY 10006, USA

477 Williamstown Road, Port Melbourne, VIC 3207, Australia

314–321, 3rd Floor, Plot 3, Splendor Forum, Jasola District Centre,
 New Delhi – 110025, India

79 Anson Road, #06–04/06, Singapore 079906

Cambridge University Press is part of the University of Cambridge.

It furthers the University's mission by disseminating knowledge in the pursuit of education, learning, and research at the highest international levels of excellence.

www.cambridge.org

Information on this title: www.cambridge.org/9781108471404

DOI: 10.1017/9781108684439

© Cambridge University Press 2020

This publication is in copyright. Subject to statutory exception and to the provisions of relevant collective licensing agreements, no reproduction of any part may take place without the written permission of Cambridge University Press.

First published 2020

Printed in the United Kingdom by TJ International Ltd, Padstow Cornwall

A catalogue record for this publication is available from the British Library.

Library of Congress Cataloging-in-Publication Data

Names: Nikolakis, William, editor. | Innes, John L., editor.

Title: The wicked problem of forest policy : a multidisciplinary approach to sustainability in forest landscapes / edited by William Nikolakis, John L. Innes.

Description: New York, NY : Cambridge University Press, 2020. | Includes bibliographical references and index.

Identifiers: LCCN 2020006670 (print) | LCCN 2020006671 (ebook) | ISBN 9781108471404 (hardcover) | ISBN 9781108457897 (paperback) | ISBN 9781108684439 (epub)

Subjects: LCSH: Forest policy. | Deforestation. | Forest management.

Classification: LCC SD561 .W535 2020 (print) | LCC SD561 (ebook) | DDC 333.75–dc23

LC record available at <https://lcn.loc.gov/2020006670>

LC ebook record available at <https://lcn.loc.gov/2020006671>

ISBN 978-1-108-47140-4 Hardback

Cambridge University Press has no responsibility for the persistence or accuracy of URLs for external or third-party internet websites referred to in this publication and does not guarantee that any content on such websites is, or will remain, accurate or appropriate.

Contents

List of Contributors	page viii
1 The Wicked Problem of Forest Policy	1
WILLIAM NIKOLAKIS AND JOHN L. INNES	
PART I WICKED PROBLEMS AND POLICIES	31
2 Why Forests Matter?	33
FRANCES SEYMOUR	
3 Forest Certification and Forest Use: A Comprehensive Analysis	59
FREDERICK W. CUBBAGE AND ERIN O. SILLS	
4 REDD+ Meets Local Realities	108
ARILD VATN, MARIA G. NANTONGO AND RAYMOND A. SAMNDONG	
5 Have Payments for Ecosystem Services Delivered for the Rural Poor? A Decade of Implementation in the 'Global South'	139
DIANA ALFONSO-BÉCARES AND ESTEVE CORBERA	
6 Tackling Gender Inequality through Forest-Related Policies and Programmes: Global Challenges, Multi-scale Innovations and Local Experiences	167
MARLÈNE ELIAS, BIMBIKA SIJAPATI BASNETT AND JENNIE DEY DE PRYCK	

vi CONTENTS

7	Forestry Crimes and Our Planet: A Review	197
	CHRISTIAN NELLEMAN, RUNE HENRIKSEN, RICCARDO PRAVETTONI AND SASHA JESPERSON	
8	Forest Bioeconomy Development: Markets and Industry Structures	231
	LAURI HETEMÄKI AND ELIAS HURMEKOSKI	
	PART II TOOLS TO ADDRESS WICKED PROBLEMS	259
9	The Wicked Problems of Indonesia’s Forests Require Effective Institutions to Resolve Difficult Trade-Offs	261
	JEFFREY SAYER	
10	Power to the Forest People: Tendencies, Impact and the Future of Locally Controlled Forests	278
	DAVID KAIMOWITZ AND FERNANDA TOMASELLI	
11	How Are Land-Use Multi-stakeholder Fora Affected by Their Contexts? Perspectives from Two Regions of the Peruvian Amazon	301
	JUAN PABLO SARMIENTO BARLETTI AND ANNE M. LARSON	
12	Sustainable Landscape Investment: A Framework for Governance of Institutional Investment in the Forestry Sector	328
	DAVID BRAND, MARYKATE BULLEN AND RADHA KUPPALLI	

Cambridge University Press
978-1-108-47140-4 — The Wicked Problem of Forest Policy
Edited by William Nikolakis , John Innes
Frontmatter
[More Information](#)

CONTENTS vii

13	Community Forestry in Liberia: Progress and Pitfalls	354
	ROBERT O'HAGAN, ALIDA O'CONNOR, JOHN E. FA AND TERRY SUNDERLAND	
14	Are Some Forestry Problems Too Wicked?	376
	JOHN L. INNES AND WILLIAM NIKOLAKIS	
	Index	384

Contributors

Diana Alfonso-Bécares, Institute of Environmental Science and Technology, Autonomous University of Barcelona

David Brand, New Forests Pty Limited

MaryKate Bullen, New Forests Pty Limited

Esteve Corbera, Institute of Environmental Science and Technology, Autonomous University of Barcelona

Frederick W. Cubbage, North Carolina State University

Jennie Dey de Pryck, Bioversity International, Rome

Marlène Elias, Bioversity International, Rome

John E. Fa, Manchester Metropolitan University

Rune Henriksen, RHIPTO Rapid Response – Norwegian Centre for Global Analyses

Lauri Hetemäki, European Forest Institute

Elias Hurmekoski, University of Helsinki

John L. Innes, Faculty of Forestry, University of British Columbia

David Kaimowitz, Ford Foundation

Radha Kuppalli, New Forests Pty Limited

Anne M. Larson, Center for International Forestry Research

Maria G. Nantongo, Norwegian University of Life Sciences

Christian Nellemann, RHIPTO Rapid Response – Norwegian Centre
for Global Analyses

William Nikolakis, Faculty of Forestry, University of British
Columbia

Alida O'Connor, Faculty of Forestry, University of British Columbia

Robert O'Hagan, Center for International Forestry Research

Riccardo Pravettoni, RHIPTO Rapid Response – Norwegian Centre
for Global Analyses

Raymond A. Samdong, The Tenure Facility

Juan Pablo Sarmiento Barletti, Center for International Forestry
Research

Jeffrey Sayer, Faculty of Forestry, University of British Columbia

Margaretha Schlingemann, United Nations Environment Programme
(UNEP) Vienna; Secretariat of the Carpathian Convention

Frances Seymour, World Resources Institute

Bimbika Sijapati Basnett, Bioversity International, Rome

Erin O. Sills, North Carolina State University

Cambridge University Press
978-1-108-47140-4 — The Wicked Problem of Forest Policy
Edited by William Nikolakis, John Innes
Frontmatter
[More Information](#)

X LIST OF CONTRIBUTORS

Terry Sunderland, Faculty of Forestry, University of British Columbia

Fernanda Tomaselli, Faculty of Forestry, University of British
Columbia

Arild Vatn, Norwegian University of Life Sciences