

## THE CAMBRIDGE HANDBOOK OF HYDROGEN AND THE LAW

*The Cambridge Handbook of Hydrogen and the Law* is the first comprehensive reference work on the regulation of this key area. It is global in scope, featuring chapters that explain the legal situation on hydrogen in Europe, the USA, Latin America, Oceania, the Middle East/North Africa and Southeast Asia. It includes chapters covering all relevant legal aspects of the hydrogen value chain from production to end use, making it the first in-depth work on the interplay of hydrogen and the law. Leading scholars and practitioners discuss the creation of hydrogen markets, the role of local authorities, sustainability and public participation in hydrogen regulation, offshore hydrogen, the regulation of hydrogen transportation and storage, indigenous perspectives on hydrogen, the regulation of hydrogen in the heating sector and the regulation of electricity storage in the form of hydrogen. This title is also available as Open Access on Cambridge Core.

Ruven Fleming is Assistant Professor of Energy Law and Scientific Coordinator of the Groningen Center of Energy Law and Sustainability at the University of Groningen, the Netherlands. He is working as Legal Project Manager on hydrogen projects at the DBI Gastechology Institute, Technical University Freiberg, Germany. His research interest is energy law, with a particular focus on hydrogen, ‘unconventional’ forms of energy production, renewable energy and energy investment and trade law.

Fleming has published widely on hydrogen regulation in various outlets. He is an editor of the standard reference work *Encyclopedia of Energy Law, Climate Change and the Environment* (2021) and a number of other energy law books. He also authored the monograph *Shale Gas, the Environment and Energy Security* (2017) and has written numerous book chapters as well as articles in international law journals. Fleming is a member of the editorial board of the Elgar *European Energy & Climate Journal*. He regularly advises governments and national parliaments on energy law-related issues and has received grants from the European Commission and the Dutch Science Organization (NWO) as well as other European and national organisations for various research and educational projects.

He undertook undergraduate law studies in Germany at the University of Marburg and went on to study Russian at Moscow State University Lomonossow/Russia as well as gaining work experience at a Russian/German law firm in Moscow. Prior to the commencement of his research in Groningen, he received a master’s degree in oil and gas law (LLM) as well as a PhD in law from the University of Aberdeen, UK.

Fleming is Scientific Coordinator of the Groningen Center of Energy Law and Sustainability (GCELS), Secretary of the North Sea Energy Law Partnership, Member of the IUCN World Commission on Environmental Law, Member of the Operating Committee of the International Association of Energy Law, a frequent speaker at events of the Dutch Association for Energy Law and a reviewer for public funding bodies and international publications. He may be contacted in English, Russian, German or Dutch.



# The Cambridge Handbook of Hydrogen and the Law

Edited by

**RUVEN FLEMING**

University of Groningen

DBI Gastechnology Institute, Technical University Freiberg





Shaftesbury Road, Cambridge CB2 8EA, 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  
103 Penang Road, #05-06/07, Visioncrest Commercial, Singapore 238467

Cambridge University Press is part of Cambridge University Press & Assessment,  
a department of the University of Cambridge.

We share the University's mission to contribute to society through the pursuit of  
education, learning and research at the highest international levels of excellence.

[www.cambridge.org](http://www.cambridge.org)

Information on this title: [www.cambridge.org/9781009459235](http://www.cambridge.org/9781009459235)

DOI: [10.1017/9781009459259](https://doi.org/10.1017/9781009459259)

© Cambridge University Press & Assessment 2025

This publication is in copyright. Subject to statutory exception and to the provisions  
of relevant collective licensing agreements, with the exception of the Creative  
Commons version the link for which is provided below, no reproduction of any part may take  
place without the written permission of Cambridge University Press & Assessment.

An online version of this work is published at [doi.org/10.1017/9781009459259](https://doi.org/10.1017/9781009459259) under a Creative Commons Open  
Access license CC-BY-NC 4.0 which permits re-use, distribution and reproduction in any medium for non-commercial  
purposes providing appropriate credit to the original work is given and any changes made are indicated. To view a copy of  
this license visit <https://creativecommons.org/licenses/by-nc/4.0>

When citing this work, please include a reference to the DOI [10.1017/9781009459259](https://doi.org/10.1017/9781009459259)

First published 2025

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

*Library of Congress Cataloging-in-Publication Data*

NAMES: Fleming, Ruven, editor.

TITLE: The Cambridge handbook of hydrogen and the law / edited by Ruven Fleming, Rijksuniversiteit Groningen,  
The Netherlands.

DESCRIPTION: First edition. | Cambridge, United Kingdom ; New York, NY : Cambridge University Press, 2024. | Series:  
Cambridge law handbooks | Includes bibliographical references and index.

IDENTIFIERS: LCCN 2024023237 (print) | LCCN 2024023238 (ebook) | ISBN 9781009459235 (hardback) |  
ISBN 9781009459266 (paperback) | ISBN 9781009459259 (epub)

SUBJECTS: LCSH: Natural gas—Law and legislation. | Hydrogen as fuel—Research—Law and legislation. |  
Hydrogen as fuel—Transportation—Government policy. | Renewable energy sources—Law and legislation. |  
Clean energy. | Energy policy.

CLASSIFICATION: LCC K3983 .C36 2024 (print) | LCC K3983 (ebook) | DDC 343.07/866581—dc23/eng/20240527

LC record available at <https://lccn.loc.gov/2024023237>

LC ebook record available at <https://lccn.loc.gov/2024023238>

ISBN 978-1-009-45923-5 Hardback

ISBN 978-1-009-45926-6 Paperback

Cambridge University Press & Assessment 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.