Preservation of Ecosystems of International Watercourses and the Integration of Relevant Rules

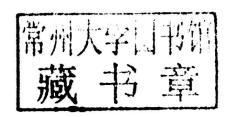
An Interpretative Mechanism to Address the Fragmentation of International Law

LEE JING

Preservation of Ecosystems of International Watercourses and the Integration of Relevant Rules

An Interpretative Mechanism to Address the Fragmentation of International Law

By
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BRILL Nijhoff

LEIDEN | BOSTON

Library of Congress Cataloging-in-Publication Data

Lee, Jing, author.

Preservation of ecosystems of international watercourses and the integration of relevant rules an

interpretative mechanism to address the fragmentation of international law by / Lee Jing.

 $pages\ cm. -- (International\ water\ law\ series)$

Originally published as author's thesis (doctoral – University of Dundee), 2013.

 $Includes\ bibliographical\ references\ and\ index.$

ISBN 978-90-04-26838-8 (hardback : alk. paper) — ISBN 978-90-04-26839-5 (e-book)

Watershed management—Law and legislation.
 Environmental law, International.
 International rivers
 Freshwater ecology—Government policy.
 Title.

K3498.L44 2014 346.04'69162—dc23

2014019416

This publication has been typeset in the multilingual 'Brill' typeface. With over 5,100 characters covering Latin, 1PA, Greek, and Cyrillic, this typeface is especially suitable for use in the humanities. For more information, please see brill.com/brill-typeface.

ISSN 2351-9606

ISBN 978 90 04 26838 8 (hardback)

ISBN 978 90 04 26839 5 (e-book)

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of Relevant Rules						

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To my parents, Lee Ah Hoy and Kuan Gim Siew

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Foreword

How will we address one of the world's most pressing issues-to ensure 'water for all', especially during times of grave challenges? The UN's Intergovernmental Panel on Climate Change most recent report, called an "official prophecy of doom", details the significant adverse impacts predicted to result from global warming. Millions will be displaced, economies will fail and conflicts will increase. 1 Many of these occurrences will be linked to water: the IPPC study finds renewable surface water and groundwater resources will be reduced significantly in most dry subtropical regions, increasing competition for diminishing freshwater resources and threatening terrestrial and freshwater species. While these matters pose problems within a nation State, things become exponentially more complex when considered within an international transboundary context. With close to 300 major freshwaters crossing national borders around the world, serving burgeoning economic needs and populations, the scale of the problem is readily apparent. Add to this mix the enormous contemporary challenges related to the effectiveness of international law and we have hard issues to address. How are we to effectively implement the international rule of law that requires the protection and preservation of the ecosystems that are integral to the transboundary water resources shared around the world?

Dr. Lee Jing's monograph, Preservation of Ecosystems of International Watercourses and the Integration of Relevant Rules: An Interpretative Mechanism to Address the Fragmentation of International Law, provides a robust and innovative legal analysis of how we might implement the duty to preserve the ecosystems of international watercourses. In so doing she contributes to addressing the two critical over-arching questions identified above—the impending global water crisis, and the recurring concerns about the effectiveness of international law. The book devises and applies a three-tiered legal analytical framework, anchored on the interpretative mechanisms offered under Article 31(3)(c) of the Vienna Convention of the Law of Treaties (VCLT), to interrogate the systemic integration required to give meaningful effect to the duty to preserve the ecosystems of international watercourses. Dr. Lee hones in on Article 20 of the 1997 Watercourses Convention (UNWC), which elaborates a global duty to preserve the ecosystems of international watercourses, the first of this type of normative obligation ("Watercourses States shall, individually and, where appropriate,

¹ Tom Bawden, "Official Prophecy of Doom: Global Warming will Cause Conflict, Displace Millions and Devastate Economy" (The Independent—18 March 2014) http://www.independent.co.uk/environment/climate-change/official-prophecy-of-doom-global-warming-will-cause-widespread-conflict-displace-millions-of-people-and-devastate-the-global-economy-9198171.html> accessed 7 April 2014.

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jointly, protect and preserve the ecosystems of international watercourses"). Through applying her three-tiered framework (consolidated and applied in Chapter 8), Dr. Lee reveals the troublesome state of fragmentation in this field, which militates against the effective legal protection of the ecosystems of international watercourses. Despite this, she finds that Article 31(3)(c) of the VCLT provides an operational platform for the systemic integration of the normative content of Article 20 of the UNWC.

The monograph is structured in 10 chapters, presented in a systematic way that identifies and addresses the legal issues linked with the legal protection of ecosystems of international watercourses. Dr. Lee begins by setting the scene, introducing the complex notion of 'ecosystem' and providing the legal parameters of her research. The overall aim is to study the issue of fragmentation through a legal lens using the Vienna Convention on the Law of Treaties Article 31(3)(c) as an operational interpretative tool of the key relevant aspects of the norms in this field. Thus, the work revolves around the specific means through which to shed light and clarity on the normative content of Article 20 of the UNWC. It is an ambitious and thorough treatment. Following a detailed explanation of the legal analytical framework that is devised for this study, Dr. Lee selects the case studies of the Ramsar Convention and Biodiversity Convention to apply her framework. The research culminates with proposing a structure for the systemic integration of the relevant rules of international law in this area. Through this approach she succeeds in offering an enlightened application of Article 31(3)(c) of the VCLT, elevating its operational reach as a tool capable of unravelling the fragmented legal approach to protecting the world's transboundary freshwater ecosystems. This provides significant insight into how international law might work effectively in this complex field.

On a personal note, it has been my sincere pleasure to supervise, and to continue to interact with, Dr. Lee Jing (now in Malaysia). She continues to be a true inspiration! We need more legal scholars thinking out of the box like this young woman, who has worked so hard and achieved so much, with surely more to come! As a female scholar she has faced a number of added challenges that I appreciate fully and would like to recognise here. Well done Jing! Thanks for providing me with this true honour to offer a foreword to this superb study.

The global community faces difficult challenges on a number of fronts—without water resources and the ecosystems that sustain them, civilisation will suffer serious adverse consequences. In an international context it is essential to be able to identify and implement the rules of law that apply. In the current state of affairs the duty to preserve the world's transboundary water ecosystems is confounded by fragmentation and incoherence. Dr. Lee provides a legal analytical framework and detailed study of how we might unravel the confusion in this field. It provides us all with pause for deeper reflection.

FOREWORD XIII

If we have a right to benefit from the earth's bounty, then we have the obligation to respect, care for and restore the earth and its natural resources.²

Professor Dr Patricia Wouters

Xiamen Law School—China International Water Law Programme University of Dundee Centre of Water Law, Policy and Science, under the auspices of UNESCO

² InterAction Council, "A Universal Declaration of Human Responsibility" (Report on the Conclusions and Recommendations by a High-Level Expert Group Meeting Chaired by Helmut Schmidt, 20–22 April 1997, Vienna, Austria) at p. 4 http://interactioncouncil.org/sites/default/files/1997%20UDHR.pdf, cited in Dr. Lee's Introduction.

Preface and Acknowledgements

This book is a revised and updated version of my Ph.D. thesis submitted to the University of Dundee in 2013. The book highlights the unprecedented degradation of freshwater ecosystems, exacerbated by the rampant exploitation of water resources. The underlying motivation of the book is to call upon the international community to reassess the natural limitation of the environment to support existing economic growth and development. More importantly, it seeks to reestablish the importance of the preservation of the internal structures and processes of ecosystems in their natural or near natural condition in order to ensure the continued viability of freshwater ecosystems to support human livelihood and the lives of all beings on earth.

The notion of the common heritage of mankind greatly influences the strive towards the preservation of the environment in its natural form, where Article 20 of the 1997 Watercourses Convention made explicit the obligation of the international community, apart from the international watercourse states, to preserve the ecosystems of international watercourses. However, the interpretation and the subsequent application of this obligation are complicated by the proliferation of international instruments concerning the environment that leads to the congestion of treaties. Treaty congestion seriously undermines the operational efficiency of each treaty. In response to the apprehension raised over the undesirable consequences of treaty congestion, which is one facet of the problems arising from the fragmentation of international law, the potential of Article 31(3)(c) of the 1969 Vienna Convention as an interpretative mechanism that enables the systemic integration of rules comes into the limelight.

The objective of the book, titled *Preservation of Ecosystems of International Watercourses and the Integration of Relevant Rules: An Interpretative Mechanism to Address the Fragmentation of International Law*, is to develop an interpretative framework for the operationalisation of Article 31(3)(c) that allows the full realisation of its potential as a tool of integration. Existing interpretations of Article 31(3)(c) are reconstructed via the conceptual framework of the interactional theory of international law, which interprets a rule of international law through the prisms of shared understanding, criteria of legality, and a practice of legality. The reinterpretation of Article 31(3)(c) provides a new understanding of the Article, which enables the realisation of its systemic integration potential. The application of this framework of operationalisation in the interpretation of the obligation to preserve ecosystems of international watercourses stipulated under Article 20 reflects contemporaneous development in international environmental law, and enhances the normative content and scope of Article 20.

The systemic integration potential realised through the operationalisation of Article 31(3)(c) of the 1969 Vienna Convention proposed in this book would have lim-

ited application in the face of deep intransigence between international watercourse states where occurrences of rupture in the cooperation between states are common. It is vital to restate that a legal approach merely forms part of the solution to problems arising from political asymmetries in international relations. This is anticipated in the drafting of the UN Charter where it is provided that, in the event of dispute (or an allegation of non-cooperation), Article 33 of the UN Charter imposes on the UN state parties to seek the pacific settlement of disputes in accordance with the Article. The pacific settlement of disputes includes negotiation, enquiry, mediation, conciliation, arbitration, judicial settlement, or to resort to regional agencies or arrangements, or other peaceful means of their own choice, failing which, would invoke the authority of the Security Council to call upon the parties to settle their dispute by such means. A genuine non-cooperation could be an indication of rogue state that is to be dealt with more appropriately under the political arm of the UN. In this instance, a purely legal approach would be incapable of resolving genuine political conflicts, where the peaceful settlement of conflicts requires recourse to other means of dispute settlement provided under the UN Charter.

Nevertheless, the ascertainment of the shared legal understanding implicit to a rule of international law through the interactional framework indirectly promotes cooperation in good faith between states, especially in the negotiation of new treaties where existing international obligations committed in other international law-making fora could serve as the catalyst of cooperation. This is what the present book is trying to do, which is, to unravel the consensus among the international community on the obligation to preserve ecosystems of international watercourses attained in various international institutionalised treaty regimes and undertaken in a practice of legality. The concrete evidence of state practice in relation to a declared rule of international law on the obligation to preserve freshwater ecosystem of international watercourses strengthens the common recognition of the international community that the obligation to preserve is indeed a licit concern of mankind.

I would not be able to complete this research without the generous funding provided by the Ministry of Higher Education, Government of Malaysia and the National University of Malaysia (GGPM-2013-083). For the scholarship and the opportunity to undertake my PhD Programme at the University of Dundee, I am deeply grateful to Y.Bhg. Prof. Dato' Dr. Mazlin Mokhtar and Puan Normah Adam.

I would like to express my heartfelt gratitude to my supervisors Prof. Dr. Patricia Wouters and Dr. Sarah Hendry for their valuable advice, unwavering support, and constant encouragement. I would never be able to complete this research without their insightful and critical comments; and the comforting words and a shoulder to lean on when I am going through some of my deepest abysses. My supervisors are my pillars of strength.

In addition, I would like to thank my examiners, Prof. Attila Tanzi and Dr. Alistair Rieu-Clarke, and the convenor of my *viva voce*, Prof. Colin Reid for a robust and indepth discussion of my thesis, and imparting words of wisdom that will continue to inspire for years to come.

I thank everyone at the IHP-HELP Centre for Water Law, Policy, and Science, especially Prof. Chris Spray, Mr. Andrew Allan, Dr. Monica Garcia Quesada, Dr. Armelle Guignier, Vishnu Rao, Dr. Michelle Lim Mei Ling, Dr. Sue Baggett, and Prof. Geoffrey Gooch. Thank you for creating such a wonderful and conducive, yet fun environment for research and discussions. My gratitude to everyone at the Centre for Energy, Petroleum and Mineral Law and Policy, especially Martin Farnworth, Dr. Xiaoyi Mu, Dr. Sergei Vinogradov, Angela Dunsire, Hugh Gunn, Rebecca Cree, Linn McFarlane, and Kathleen Shortt; and the Phd Seminar team, Dr. Sarah Hendry, Dr. Janet Liao, and Prof. Dr. Melaku Desta (now at the Faculty of Business and Law, Leicester De Montfort Law School).

I would like to express my sincere gratitude to Dr. Gordon Spark of the Academic Skills Centre, University of Dundee who helped me with my English. I thank all librarians, especially Mairi Robb and John McCaffrey of the Dundee University Library and Ms. Elizabeth Kirk of the University Dundee School of Law for their encouragement and kind assistance.

A huge thank you to my Phd family in Dundee, especially Komuniti Melayu Dundee, Dr. Hugo Tremblay (who acted as my devil's advocate and had never let me get away with any argument easily), Dr. Dinara Ziganshina (who guided me through the treacherous path of a researcher, and read through the first draft of my thesis), Dr. Yumiko Yasuda, Dr. Ana Maria, Dr. Tran Tran, Dr. Norfadhilah Mohamad Ali, Dr. Musa Abseno, Dr. Mohamad Mova Al'Afghani, Dr. Daniel Behn, Dr. Christopher Len, Julius Nayak, Dr. Bjørn-Oliver Magsig, and many others.

I am especially grateful to Dr. Gerard Briscoe for advising the drafting of my research proposal at the initial stage of my research. To my current colleagues and friends at the Institute for Environment and Development (LESTARI) and the Faculty of Law at the National University of Malaysia (UKM), thank you so much for your understanding and support.

I am very grateful to Ms. Lisa Hanson, Assistant Editor at Brill/Nijhoff Publishers for her kind patience and support during the production of the book manuscript.

Finally, I would like to express my profound gratitude to my mentor, Y.Bhg. Prof. Datin Noor Aziah Hj. Mohd. Awal, my family and friends for their encouragement, patience, understanding, and love.

UKM Bangi, April 2014

List of Abbreviations

AB Appellate Body

ASEAN Association of Southeast Asian Nations

CARU Administrative Commission of the River Uruguay

CBD Convention on Biodiversity
CETS Council of Europe Treaty Series

CMP Conference of the Parties Serving as the Meeting of the Parties

CTR Claims Tribunal Reports
EC European Community

ECE Economic Commission for Europe

ECT Energy Charter Treaty

EEC European Economic Community

ETS European Treaty Series

GAOR General Assembly Official Records
GATT General Agreement on Tariffs and Trade

ICJ International Court of Justice

ICSID International Centre for Settlement of Investment Disputes

ICTY International Tribunal for the Prosecution of Persons Responsible for

Serious Violations of International Humanitarian Law Committed in the

Territory of the Former Yugoslavia since 1991

IGOS Intergovernmental Organisations
ILA International Law Association
ILC International Law Commission
ILM International Legal Materials
ILR International Law Reports

IPCC Intergovernmental Panel on Climate Change ITLOS International Tribunal of the Law of the Sea

IUCN International Union for Conservation of Nature and Natural Resources

MA Millennium Ecosystem Assessment
MEAS Multilateral Environmental Agreements

MSENS Multi-Sourced Equivalent Norms NGOS Non-Governmental Organisations

OSPAR Convention for the Protection of the Marine Environment of the North-

East Atlantic

PCA Permanent Court of Arbitration

PCIJ Permanent Court of International Justice

Res Resolution

SBSTTA Subsidiary Body on Scientific, Technical and Technological

Advice

SCM Agreement Subsidy and Countervailing Measures Agreement

Stat United States Statutes at Large

STRP Scientific and Technical Review Panel (Ramsar Convention)

Supp Supplement

TIAS Treaties and other International Agreements (US)

TRIPS Agreement Agreement on Trade-Related Aspects of Intellectual Property

Rights

Ts Treaty Series

UKHL United Kingdom House of Lords

UN United Nations

UNCED United Nations Conference on Environment and Development

UNCLOS United Nations Convention on the Law of the Sea

UNDESA United Nations Department of Economic and Social Affairs

UNEP United Nations Environment Programme

UNESCO United Nations Educational, Scientific and Cultural Organisation

UNFCCC United Nations Framework Convention for Climate Change

UNISC United Nations General Assembly
UNISC United Nations Security Council
UNITS United Nations Treaty Series
UNU United Nations University

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