



CENTRE FOR INTERNATIONAL LAW
National University of Singapore

CONFERENCE

Climate Change and Law of the Sea

Adapting the Law of the Sea to Address the Challenges of Climate Change

13-14 March 2018, Singapore

Chatham House Rule Applies



8.5 PUBLIC CPD
POINTS

8.5 Public CPD Points (Day 1 - 4.5 Points, Day 2 - 4 Points)

Practice Area: Others

Training Category: General

SILE Attendance Policy Participants who wish to claim CPD Points must comply strictly with the Attendance Policy set out in the CPD Guidelines. For this activity, participants are reminded to sign in on arrival and sign out at the conclusion of each day of the event in the manner required by the organiser. Participants must not be absent for each day of the event for more than 15 minutes. Participants who attend Day 1 and comply strictly with the Attendance Policy on that day may obtain 4.5 Public CPD Points. Participants who attend Day 2 and comply strictly with the Attendance Policy on that day may obtain 4 Public CPD Points. Participants who do not comply with the Attendance Policy on any particular day of the event will not be able to obtain CPD Points for that day. Please refer to <http://www.sileCPDcentre.sg> for more information.

Academics / Students	S\$400nett per participant
All Government Officials	S\$550nett per participant
Standard Rate	S\$750nett per participant

REGISTRATION (<https://cil.nus.edu.sg/registration-cil-conference-climate-change-law-sea/>)

VENUE Four Points by Sheraton, 382 Havelock Rd, Singapore 169629

BACKGROUND AND OBJECTIVES

The effects of climate change on the marine environment are numerous and deeply concerning. They include rising sea levels, warming ocean temperatures, ocean acidification, change in ocean circulation and deep ocean changes. These effects are having significant impacts on the marine environment, marine biological diversity and marine and maritime activities. They are predicted to increase in coming years; having markedly different regional impacts across the globe.

These developments were not anticipated during the establishment of the fundamentals of the legal framework to govern the oceans. Consequently, they pose unprecedented challenges for the law of the sea at the global as well as regional and local levels. Significant concern surrounds the ability of the law of the sea to deal with the threat of disappearing islands, effects on baselines and impacts on the marine environment including fisheries, coral reefs, and the deep ocean, for example.

This conference will bring together leading legal and scientific experts to discuss the impacts of climate change on ocean activities, the challenges they pose for existing law of the sea frameworks and how the law of the sea could be used to respond to these impacts and support mitigation or adaptation measures. It will explore mechanisms through which the legal framework could address or be adapted to meet these needs. The potential role of regional cooperation mechanisms, emerging obligations, increased regulation, dispute settlement methods and new legal instruments in addressing these challenges will also be explored.

PROGRAMME (Chatham House Rule Applies)

TUESDAY 13 MARCH 2018	
08:30–09:00	Registration and coffee
09:00–09:30	<p>Welcome & Introduction Welcome by Professor Lucy Reed Opening address by Professor Tommy Koh</p>
<p>Panel 1 / 09:30–11:00 Fundamentals: Science and Law Moderator Youna Lyons, NUS Centre for International Law</p>	
<p>Session 1 The Changing Ocean, Ecosystem Consequences and Solutions Speaker Lisa Levin, Scripps Institution of Oceanography</p> <ul style="list-style-type: none"> • Direct and indirect effects of climate change, including sea level rise, ocean acidification, ocean warming, ocean deoxygenation, coastal erosion, deep ocean changes, changes in ocean circulation and extreme weather events • Impact of these processes on marine systems, shallow and deep • Gaps in knowledge and understanding and values of modelling and predictions 	
<p>Session 2 Governing Climate Change - General Principles and the Paris Agreements Speaker Jolene Lin, NUS Asia-Pacific Centre for Environmental Law</p> <ul style="list-style-type: none"> • Overview of the current legal framework and challenges that are generated by climate change impacts • Relevant institutions with responsibilities for addressing the challenges of climate change and law of the sea 	
Q & A Session	
11:00-11:30	Coffee Break & Panellists' Group Photograph

Panel 2 / 11:30-13:00
Regional Perspectives

Moderator
Aldo Chircop, Dalhousie University

Session 1

The Ocean as Navigational Aid in the Era of Anthropogenic Climate Change: The Use of the Law of the Sea by Pacific Small Island Developing States to Address Climate Change and Related Natural Phenomena

Speaker

Clement Yow Mulalap, Permanent Mission of the Federated States of Micronesia to the United Nations

- Experience of current and predicted impacts of climate change in Pacific islands
- Small Island Developing State practice in responding to the impacts of climate change

Session 2

Marine Ecosystems and Climate Change in Southeast Asia

Speaker

Danwei Huang, NUS Department of Biological Science

- Impacts of climate change on marine ecosystems in Southeast Asia
- Historical change and climate impacts on coral reefs
- Recommended response from a scientific perspective

Q & A Session

13:00–14:00

Lunch

Panel 3 / 14:00–15:30

Climate Change: Impacts on Baselines and Maritime Boundaries

Moderator

Robert Beckman, NUS Centre for International Law

Session 1

Dynamic Coasts in an Era of Sea Level Rise: Geographic Aspects of Shifting Baselines

Speaker

Clive Schofield, ANCORS University of Wollongong

- Impacts of rising sea levels and coastal erosion on land use vs. baselines
- Description of the processes involved as well as geographic variations and time scales
- Effects of disappearing basepoints on maritime claims

Session 2

Impacts of Sea-level Rise on the Limits of Maritime Zones and Maritime Boundary Agreements

Speaker

David Freestone, Sargasso Sea Commission and George Washington University Law School

- Mechanisms under law of the sea
- Legal consequences of changing baselines on maritime boundaries
- Impact on agreed maritime boundaries

Q & A Session

15:30–16:00

Coffee Break

Panel 4 / 16:00-17:30

Climate Change: Status and Entitlement of Offshore Features

Moderator

Clive Schofield, ANCORS University of Wollongong

Session 1

Legal Aspects of the Status and Entitlement of Offshore Features

Speaker

Rosemary Rayfuse, University of New South Wales

- Disappearing, appearing and unstable islands
- Changes of legal status under the Law of the Sea as a result of natural vs. man-made processes

Session 2

International Law and Adaptation to Sea-Level Rise and Its Impacts on Islands and Offshore Features

Speaker

Nilufer Oral, Istanbul Bilgi University

- International law frameworks to mitigate the impacts of climate change on islands and other offshore features

Q & A Session

18:00

Conference Dinner

WEDNESDAY 14 MARCH 2018	
08:30–09:00	Registration and coffee
<p>Panel 5 / 09:00–10:30</p> <p>Shipping and Climate Change</p> <p>Moderator</p> <p>J Ashley Roach, NUS Centre for International Law</p>	
<p>Session 1</p> <p>The Regulation of Greenhouse Gas Emissions from International Shipping: A Long-term Challenge for International Maritime Law and the Law of the Sea</p> <p>Speaker</p> <p>Aldo Chircop, Dalhousie University</p> <ul style="list-style-type: none"> • Status and prospects of the IMO initial strategy for greenhouse gas emissions and MARPOL Annex VI greenhouse gas regulation • Other mechanisms to regulate greenhouse gas emissions from shipping <p>Session 2</p> <p>International Regulation of Arctic Shipping: Polar Code and Further Development</p> <p>Speaker</p> <p>Zhen Sun, NUS Centre for International Law</p> <ul style="list-style-type: none"> • Challenges faced by Arctic shipping • Polar Code: progress and prospects <p>Q & A Session</p>	
10:30–11:00	Coffee Break

Panel 6 / 11:00-13:00

Living Marine Resources, Marine Environment and Climate Change

Moderator

David Freestone

Sargasso Sea Commission and George Washington University Law School

Session 1

Due Diligence, Climate Mitigation Measures, the Law of the Sea and the Paris Agreement

Speaker

Ronan Long, World Maritime University

- Content of the obligation of due diligence to protect and preserve
- Does it create an obligation to mitigate adverse impacts of climate change on the marine environment?
- Restoration, rehabilitation, reinstatement

Session 2

Addressing the Effects of Climate Change on Fisheries

Speaker

Johann Bell, ANCORS, University of Wollongong

- Impacts of climate change on fish stocks and fisheries management in the Tropical Pacific and Southeast Asia
- Programmes and mechanisms developed to address them

Session 3

Protecting Coral Reefs and other Sensitive Areas from the Impacts of Climate Change

Speaker

Youna Lyons, NUS Centre for International Law

- Mechanisms for coral reefs vs deep ocean changes
- Threatened, fragile, vulnerable ecosystem and habitat
- Ecologically or Biologically Sensitive Areas
- Resilience and representativeness

Q & A Session

13:00–14:00

Lunch

Panel 7 / 14:00-15:30

Development and Adaptation of UNCLOS to Address the Impacts of Climate Change

Moderator

Nilufer Oral, Bilgi University

Session 1

Addressing Climate Change Impacts through UNCLOS Part XV Dispute Settlement Mechanisms

Speaker

Alan Boyle, Essex Court Chambers

- Using dispute settlement mechanisms under Part XV of UNCLOS to address climate change impacts on oceans
- Other dispute settlement mechanisms

Session 2

Treaty Evolution, Adaptation and Change: Is UNCLOS 'Enough' to Address Climate Change Impacts on the Oceans?

Speaker

Catherine Redgwell, Oxford University

- Mechanisms available to interpret, adapt, update, change the Law of the Sea to address the impacts of climate change
- Prospects of new implementing agreements, UN General Assembly resolutions, the International Law Commission, multilateral environmental agreements or others

Q & A Session

15:30–16:00

Coffee Break

Panel 8 / 16:00-17:30

Regional Cooperation as A Pathway Forward

Moderator

Robert Beckman, NUS Centre for International Law

Session 1

Climate Change in the Pacific and Regional Assistance

Speaker

Clark Peteru, Secretariat of the Pacific Regional Environment Programme

- Climate change impacts of main concern in the Pacific
- Cooperation mechanisms and programmes developed in the Pacific to manage and adapt to climate change impacts

Session 2

Regional Cooperation Initiatives in South East Asia

Speaker

H.E. Arif Havas Oegroseno, Government of Indonesia

- Climate change impacts of main concern in South East Asia
- Cooperative programmes in South East Asia to manage and adapt to climate change impacts

Q & A Session

17:30

Close of Conference
