



Climate Change, Coasts & Communities Symposium

Monmouth University
West Long Branch, New Jersey
April 17-18, 2019

AGENDA

Wednesday, April 17, 2019

- 3:00 p.m.** **Registration** | Wilson Hall Auditorium
- 3:30 p.m.** **Opening Remarks: Tony MacDonald, Director, Urban Coast Institute**
- 4:00 p.m.** **Panel of Monmouth Students on Coastal Climate Adaptation Issues**

Moderator:

Dr. Tom Herrington, Associate Director, Urban Coast Institute

Panelists:

- Kelly Hanna, Class of 2019
Hog-Waste Hurricanes: Why the Threat of Extreme Weather Events Requires Regulations for Concentrated Animal Feeding Operations in North Carolina
- Michael Scognomillo, Class of 2020
Global Warming's Effect on Malaria Transmission and Adaptation Policy in the United States
- Kaitlyn Smith, Class of 2019
Hard Structures Are Hardly Helping! How Transfer of Development Rights Combined with Rolling Easements Can Create a Resilient Coast in New Jersey

- 5:15 p.m.** **Opening Keynote Speaker**
Dr. Biliانا Cicin-Sain, President, Global Ocean Forum
Addressing the Ocean and Climate Nexus: The Time to Act is Now
- 6:00 p.m.** **Opening Reception** | Magill Club Dining

Thursday, April 18, 2019

8:00 a.m. Registration/Continental Breakfast | Wilson Hall Auditorium

8:45 a.m. Breakfast Keynote Speaker

Prof. Jan McDonald, University of Tasmania Law School, Hobart, Australia
Australia's Approach to Coastal Adaptation Planning: What Can We Learn from Each Other?

9:15 a.m. Climate Change and the Voiceless: Protecting Future Generations, Wildlife, and Natural Resources

Future generations, wildlife, and natural resources – collectively referred to as “the voiceless” in this panel – are the most vulnerable and least equipped populations to protect themselves from the impacts of global climate change. Domestic and international law protections are beginning to recognize rights and responsibilities that apply to the voiceless community; however, these legal developments have yet to be pursued in a collective manner and have not been considered together in the context of climate change and climate justice. This panel identifies the common vulnerabilities of the voiceless communities in the Anthropocene era and addresses how the law can evolve to protect their interests more effectively through a stewardship-focused and rights-based system.

Moderator:

Prof. Randall S. Abate, Rechnitz Family/Urban Coast Institute Endowed Chair in Marine and Environmental Law and Policy

Panelists:

- Dr. Julia Puaschunder, New School for Social Research, New York City
Future Generations, Intergenerational Equity, and Climate Justice
- Kevin Schneider, Esq., Executive Director, Nonhuman Rights Project, Brooklyn, NY
The Common Law as Lever in Expanding Rights Beyond the Human
- Grant Wilson, Esq., Earth Law Center, Boulder, CO
Earth Law: Restoring Nature's Rights in the Midst of Environmental Crisis

10:45 a.m. Coffee Break

11:00 a.m. Adapting to Sea Level Rise, Coastal Storms, and Flooding: Lessons for New Jersey

The “new normal” of increased storm events, flooding, sea level rise, and coastal erosion from climate change presents daunting adaptation challenges for New Jersey in the years ahead. This panel features leading experts on these topics from academic, law practice, political, and planning perspectives to discuss proposed strategies and solutions for how to navigate these challenges in New Jersey.

Moderator:

Tony MacDonald, Director, Urban Coast Institute

Panelists:

- Jennifer Li, Esq., Georgetown Law Center, Washington, DC
Sea-Level Rise Adaptation Strategies and Managed Retreat
- Margaret Peloso, Esq., Vinson & Elkins, Washington, DC
Managing Sea-Level Rise Risk in Coastal-Proximate Industries

- Prof. Keith Rizzardi, St. Thomas University School of Law, Miami Gardens, FL
Look Away? Water Quality Monitoring in an Era of Uncertainty

12:30 p.m **Lunch and Luncheon Keynote Speaker** | Anacon Hall
Prof. Robin Craig, University of Utah S.J. Quinney College of Law
Warming Oceans, Coastal Diseases, and Climate Change Public Health Adaptation

2:00 p.m. **Interactions of Climate Change and Anthropogenic Eutrophication in Coastal Ecosystems** | Wilson Hall Auditorium

Anthropogenic eutrophication, resulting from excess nutrient inputs to coastal waters, has impacted coastal ecosystems and communities for decades. Anthropogenic eutrophication has exacerbated coastal hypoxia / anoxia and harmful algal blooms (HABs), and has impacted fisheries performance. A growing body of evidence shows that climate change is impacting these same processes, which raises the issue of how anthropogenic eutrophication and climate change interact, or may conceivably interact, under future scenarios of management. A discussion of the interaction of climate change and anthropogenic eutrophication is critical for long range planning and management of marine ecosystems and communities that depend on the ecological services provided by coastal ecosystems. The panel brings together experts on coastal hypoxia/anoxia, harmful algal blooms (HABs), and fisheries to discuss how perspectives have changed to include consideration of climate change impacts, in addition to the long-standing issue of anthropogenic eutrophication, when trying to understand, manage, and sustain coastal marine ecosystems.

Moderator:

Dr. Jason Adolf, Endowed Associate Professor of Marine Science

Panelists:

- Dr. Christopher Gobler, Endowed Chair of Coastal Ecology and Conservation, Stony Brook University, Stony Brook, NY
The Future is Now: How Climate Change Has Altered Coastal Ecosystem Function and What Can Be Done to Make these Systems More Resilient
- Dr. Alistair Hobday, Senior Principal Research Scientist, Commonwealth Scientific and Industrial Research Organization (CSIRO), Hobart, Australia
Adaptation to Climate Change in Coastal Systems
- Dr. Vincent Saba, National Oceanic and Atmospheric Administration (NOAA) National Marine Fisheries Service
Using NOAA's High-Resolution Global Climate Model to Assess Climate Change Impacts in the Northwest Atlantic

Affiliated Session

3:45-5 p.m. **Kickoff Discussion for Ocean and Coastal Law and Policy Consortium**
Wilson Hall Auditorium

A gathering of ocean and coastal law and policy scholars and practitioners from the Mid-Atlantic region to discuss current developments in law, policy and science in the field. The goal for this session is to share ideas on cutting-edge developments in coastal climate adaptation occurring in or relevant to New Jersey, and to establish a framework for future topics and meetings in the Mid-Atlantic region in 2019 and beyond.