

# **TIBOR VEGH**

## **Senior Policy Associate**

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## **PROFESSIONAL EXPERIENCE**

### **Senior Policy Associate** (December 2020 – present)

Coastal and Ocean Policy Program, Nicholas Institute for Energy, Environment & Sustainability,  
Duke University, Durham, NC

### **Policy Associate** (September 2012 – December 2020)

Coastal and Ocean Policy Program and Environmental Economics Program, Nicholas Institute for  
Environmental Policy Solutions, Duke University, Durham, NC

### **Environmental Technician** (June – August 2012)

AmeriCorps service at the National Park Service, Flagstaff Area Monuments, Flagstaff, AZ

### **Economic Impact Report Consultant** (February – May 2012)

United States Forest Service, Region 3, Coconino National Forest, Flagstaff, AZ

### **Research Assistant** (August 2008 – August 2011)

Northern Arizona University School of Forestry, Flagstaff, AZ

## **RESEARCH INTERESTS**

Ecological restoration, environmental and natural resource economics, ecosystem services, natural  
resource management, land-use change, economics and finance of resource conservation

## **EDUCATION**

### **Ph.D. City and Regional Planning** (2024)

Environmental Planning

Department of City and Regional Planning

University of North Carolina at Chapel Hill

### **M.S. Forestry** (2011)

Northern Arizona University (NAU)

Title of thesis: Carbon balance and economic implications of fuel reduction treatments: A case study  
from the Apache-Sitgreaves National Forest (published 2013)

### **B.S. Economics** (2008)

North Carolina State University (NCSU) at Raleigh, NC

Valedictorian, Summa cum Laude

Minor in Mathematics

Undergraduate research: Modeling bioenergy feedstock supply in North Carolina

## PEER REVIEWED PUBLICATIONS

- Vegh, T.**, T.K. BenDor, and J.J. Monast. 2023. Opportunities, tradeoffs, and caveats for private sector involvement in US floodplain buyout programs. *Mitigation and Adaptation Strategies for Global Change*: 28(49). doi: 10.1007/s11027-023-10088-z
- Viridin J., **T. Vegh**, S. Akester, J. Chu, A. Baio, J. Hamilton, J. Macias, S. Matthiasson, S. Sherif, D.I. Grieco. 2022. A Snapshot of the Economic Benefits from Foreign Bottom Trawling in Coastal West Africa: A Mutually-Beneficial Trade in Services, No Winners or Extractivism? *Fish and Fisheries*.
- Diana Z., **T. Vegh**, R. Karasik, J. Bering, J. D. Llano Caldas, A. Pickle, D. Rittschof, W. Lau, J. Viridin. 2022. The evolving global plastics policy landscape: An inventory and effectiveness review. *Environmental Science & Policy*. 134:34–45. doi:10.1016/j.envsci.2022.03.028.
- Viridin J, **T. Vegh**, B. Ratcliff, S. Yozell, E. Havice, J. Daly, J. Stuart. 2022. Combatting illegal fishing through transparency initiatives : Lessons learned from comparative analysis of transparency initiatives in seafood, apparel, extractive, and timber supply chains. *Marine Policy*: 138:104984. doi:10.1016/j.marpol.2022.104984.
- Viridin, J, **T. Vegh**, J-B. Jouffray, R. Blasiak, S. Mason, H. Österblom, D. Vermeer, H. Wachtmeister, and N. Werner. 2021. The Ocean 100: Transnational Corporations in the Ocean Economy. *Science Advances* 7(3): eabc8041. doi: 10.1126/sciadv.abc8041.
- Bryan, T., J. Viridin, **T. Vegh**, C.Y. Kot, J. Cleary, and P.N. Halpin. 2020. Blue Carbon Conservation in West Africa: A First Assessment of Feasibility. *Journal of Coastal Conservation* 24(1): 8. doi:10.1007/s11852-019-00722-x.
- Vegh, T.**, and B.C. Murray. 2020. Incentivizing the Reduction of Pollution at U.S. Dairies: Addressing Additionality When Multiple Environmental Credit Payments Are Combined. *Journal of Agriculture, Food Systems, and Community Development* 9(2): 123-139. doi: 10.5304/jafscd.2020.092.010.
- Patil, P.G., J. Viridin, C.S. Colgan, M.G. Hussain, P. Failler, and **T. Vegh**. 2019. Initial Measures of the Economic Activity Linked to Bangladesh’s Ocean Space, and Implications for the Country’s Blue Economy Policy Objectives. *Journal of Ocean and Coastal Economics*. 6(2):2. doi: 10.15351/2373-8456.1119.
- Viridin, J., M. Kobayashi, S. Akester, **T. Vegh**, and S. Cunningham. 2018. West Africa’s coastal bottom trawl fishery: Initial examination of a trade in fishing services. *Marine Policy*. doi: 10.1016/j.marpol.2018.11.042
- Gumerman, E., and **T. Vegh**. 2018. Modeling Energy Efficiency as a Supply Resource: A Bottom-Up Approach. *Energy Efficiency*. doi: 10.1007/s12053-018-9740-7
- Galik, C.S., R.C. Abt, G.S. Latta, and **T. Vegh**. 2015. The environmental and economic effects of regional bioenergy policy in the southeastern US. *Energy Policy* 85: 335-346.
- Murray, B.C., C.S. Galik, and **T. Vegh**. 2015. Biogas in the United States: estimating future production and learning from international experiences. *Mitigation and Adaptation Strategies for Global Change*. doi: 10.1007/s11027-015-9683-7
- Vegh, T.**, C. Huang, and A.J. Finkral. 2013. Carbon Credit Possibilities and Economic Implications of Fuel Reduction Treatments. *Western Journal of Applied Forestry* 28(2): 57-65.

## OTHER SIGNIFICANT PUBLICATIONS

Karasik, R., **T. Vegh**, Z. Diana, J. Bering, J. Caldas, A. Pickle, D. Rittschof, and J. Viridin. 2020. 20 Years of Government Responses to the Global Plastic Pollution Problem: The Plastics Policy Inventory. NI X 20-05. Durham, NC: Duke University.

UN Environment. 2019. Analysis of global and regional policy instruments and governance mechanisms related to the protection and sustainable management of coral reefs. Karasik, R., Pickle, A., Rody, S.A., **Vegh, T.** and Viridin, J. (Authors). United Nations Environment Programme, Nairobi, Kenya.

Herr, D., and **T. Vegh**. 2019. State of International Policy for Blue Carbon Actions. In Windham-Myers, L., S. Crooks, and T.G. Troxler (Eds.), *A Blue Carbon Primer: The State of Coastal Westland Carbon Science, Practice, and Policy*. CRC Press: Boca Raton, London.

**Vegh, T.**, L. Pendleton, B. Murray, T. Troxler, K. Zhang, E. Castañeda-Moya, G. Guannel, and A. Sutton-Grier. 2019. Ecosystem Services and Economic Valuation: Co-Benefits of Coastal Wetlands. In Windham-Myers, L., S. Crooks, and T.G. Troxler (Eds.), *A Blue Carbon Primer: The State of Coastal Westland Carbon Science, Practice, and Policy*. CRC Press: Boca Raton, London.

Patil, P.G., Viridin, J., Colgan, C.S., Hussain, M.G., Failler, P., and **Vegh, T.** 2018. Toward a Blue Economy: A Pathway for Bangladesh's Sustainable Growth. Washington, D.C., The World Bank Group.

Bryan, T., J. Viridin, **T. Vegh**, C.Y. Kot, J. Cleary, P.N. Halpin, C. Gordon, M. Cormier-Salem, A. Mensah. 2017. Blue Carbon Financing of Mangrove Conservation in the Abidjan Convention Region: A Feasibility Study.

Herr, D., T. Agardy, D. Benzaken, F. Hicks, J. Howard, E. Landis, A. Soles and **T. Vegh**. 2015. Coastal carbon activities. A revised guide to supporting coastal wetland programs and projects using climate and other finance. Gland, Switzerland: IUCN, Conservation International, Wetlands International, The Nature Conservancy, Forest Trends, the Nicholas Institute for Environmental Policy Solutions.

Galik, C.S., R.C. Abt, G.S. Latta, and **T. Vegh**. 2014. Environmental and economic effects of a Regional Renewable Portfolio Standard with biomass carve-outs. NI WP 14-10. Durham, NC: Duke University.

**Vegh, T.**, M. Jungwiwattanaporn, L. Pendleton, and B.C. Murray. 2014. Mangrove ecosystem services valuation: State of the literature. NI WP 14-06. Durham, NC: Duke University.

**Vegh, T.**, C.S. Galik. 2014. Towards the Sustainable Development of Regional Bioenergy Systems: A Gap Analysis and Policy Review. In *New Crops: Bioenergy, Biomaterials, and Sustainability*. AAIC-AFRI Conference Book.

Pendleton, L., B.C. Murray, D. Gordon, D. Cooley, and **T. Vegh**. 2014. Harnessing the financial value of coastal "blue" carbon. In K. N. Ninan (Ed.), *Valuing ecosystem services-methodological issues and case studies*. Edward Elgar.

Murray, B.C., C.S. Galik, and **T. Vegh**. 2014. Biogas in the United States: An Assessment of Market Potential in a Carbon-Constrained Future. NI R 14-02. Durham, NC: Duke University.

**Vegh, T.**, L. Olander, and B. Murray. 2014. Greenhouse Gas Mitigation Opportunities in California Agriculture: Science and Economics Summary. NI GGMOCA R 1. Durham, NC: Duke University.

Murray, B.C., and **T. Vegh**. 2012. *Incorporating Blue Carbon as a Mitigation Action under the United Nations Framework Convention on Climate Change: Technical Issues to Address*. Report NI R 12-05. Durham, NC: Nicholas Institute for Environmental Policy Solutions, Duke University.

## PRESENTATIONS

“Using Natural Infrastructure for Flood Mitigation in Eastern North Carolina” Presented on March 24, 2022 at the Water Resources Research Institute Annual Conference, in Raleigh, NC.

“Evaluations for Blue Economy Policy Development” Presented on October 10, 2019 at the Global Marine Science Summit, in Wilmington, NC.

“Local Community Mangrove Ecosystem Services in Guyana and Suriname” Presented remotely on August 27, 2019 at the International Integrated Coastal Management Conference, in Paramaribo, Suriname.

“Financing Coastal Ecological Restoration with a Coastal Resilience Bond” Presented on December 6, 2018 at A Community on Ecosystem Services Conference, in Washington, DC.

“Transitioning to a Blue Economy to Help Sustainably Increase the Ocean’s Economic Benefits” Presented on November 26, 2018 at the Sustainable Blue Economy Conference, in Nairobi, Kenya.

“Socioeconomic Analysis of Seagrass Ecosystem Services.” Presented on May 15, 2018 at the ResilienSEA Project Inception Meeting, in Dakar, Senegal.

“Blue Economy Policy Development: Lessons Learned from North Carolina, the Wider Caribbean, and Bangladesh.” Presented on November 7, 2017 at the Global Marine Summit, in Wilmington, North Carolina, United States.

“Integrating Mangroves into National REDD+ Strategies: Economic Barriers to Address.” Presented on October 16, 2017 at the Workshop on Integrating Mangrove Forests into REDD+, in Oslo, Norway.

“Economic Valuation of Ecosystems.” Presented on March 29, 2018 at the Twelfth meeting of the Contracting Parties (COP12) for the Cooperation Convention on the Protection, Management and Development of the Marine Environment and the coastal zones of the Atlantic Coast of the West, Central and Southern Africa Region (Abidjan Convention), in Abidjan, Côte d’Ivoire.

“West Africa Blue Carbon Conservation Feasibility.” Presented on March 28, 2018 at the Twelfth meeting of the Contracting Parties (COP12) for the Cooperation Convention on the Protection, Management and Development of the Marine Environment and the coastal zones of the Atlantic Coast of the West, Central and Southern Africa Region (Abidjan Convention), in Abidjan, Côte d’Ivoire.

“A Conceptual Framework for the Blue Economy.” Presented on March 27, 2018 at the Twelfth meeting of the Contracting Parties (COP12) for the Cooperation Convention on the Protection, Management and Development of the Marine Environment and the coastal zones of the Atlantic Coast of the West, Central and Southern Africa Region (Abidjan Convention), in Abidjan, Côte d’Ivoire.

“Blue Carbon Perspectives.” Presented on January 24, 2017 at the Blue Carbon Policy Working Group Meeting, in Panama City, Panama.

“The Role of a Biomass Reserve Program in the Sustainable Development of Regional Bioenergy Systems.” Presented on November 5, 2015 at the Society of American Foresters Convention, in Baton Rouge, LA, United States.

“Water Quality Credit Generation from Anaerobic Digester Systems.” Presented on September 15, 2015 at the National Workshop on Water Quality Markets, in Lincoln, NE, United States.

“Opportunities and Hurdles for Blue Carbon: State of the Carbon Markets in 2015.” Presented on June 25, 2015 at the 2016 Blue Carbon Policy Working Group Meeting, in Guayaquil, Ecuador.

References available upon request