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**EDUCATION**

University of Delaware	Newark, DE	Ocean & Coastal Policy	Ph.D., 2011
Columbia University	Columbia, NY	Environmental Science and Policy	MPA, 2005
Central Connecticut State University	New Britain, CT	Ecology	BS, 2004

**RESEARCH INTERESTS**

Community resilience, knowledge co-production, community engagement, disaster mitigation, natural infrastructure.

**PROFESSIONAL EXPERIENCE**

The Water Institute	Senior Social Scientist	2023–Present
Regional Resilience Partnership	Founder & Co-Lead	2019–Present
Harte Research Institute for Gulf of Mexico Studies (HRI), Texas A&M University Corpus Christi	Chair for Community Resilience	2022–2024
	Director of Texas OneGulf RESTORE Center of Excellence	2019–2023
	Senior Social Scientist	2015–2022
Office of the Chief Economist, National Oceanic & Atmospheric Administration Headquarters	Senior Social Scientist (Consultant)	2014–2015
Office of the Assistant Secretary of Commerce for Conservation and Management, National Oceanic & Atmospheric Administration Headquarters	Senior Policy Lead (Contractor)	2013–2014
National Ocean Service (NOS), National Oceanic & Atmospheric Administration Headquarters	Program Coordination Officer to NOAA Administrator (Contractor)	2012–2013

NOAA Programs, Earth Resources Technology, Inc., National Oceanic & Atmospheric Administration Headquarters	Deputy Director	2010–2012
NOAA/National Marine Protected Areas (MPA) Center, National Oceanic & Atmospheric Administration Headquarters	Policy Specialist (Contractor)	2008–2010

## **ADVISORY BOARDS AND COMMITTEES**

- Co-Chair, Global Ocean Forum Policy Advisory Board Working Group on Integrated Coastal Management, 2022–Present
- Board Member, Editorial Board Springer Nature Humanities & Social Sciences, 2021–Present
- Member, Planning Committee, National Academies of Sciences Communities, Climate Change, and Health Equity Workshop Series: Exploring Flood Adaptation Strategies to Support Health Equity, 2023–2024
- Member, Coastal Bend Stormwater Committee, 2022–2024
- Member, Texas Integrated Flooding Framework (TIFF) Planning and Outreach Team, 2021–2023
- Chair, Texas General Land Office CDBG-MIT Citizens Advisory Committee, 2021–2023
- Executive Secretary, Texas OneGulf Agency Council, 2021–2023
- Lead, Gulf Science Impacts Metrics Working Group, 2021–2022
- Member, Coastal Bend Business Resources Working Group, 2020–2024
- Board Member, Coastal Bend Community Organizations Active in Disasters, 2020–2023
- Member, Texas Global Health Security Innovation Consortium Steering Committee, 2020–2023
- Co-Chair, TEXGHS Mental Health Working Group, 2020–2022
- Member, Nueces County Beach Management Advisory Committee, 2020–2022
- Chair, Coastal Bend Council of Governments Council on Comprehensive Economic Development Strategy and Resilience, 2019–2023
- Board Member, Beautify Corpus Christi Association, 2019–2022
- Member, Centers of Excellence Research Grant Program Group, 2018–2023
- Executive Secretary, Texas OneGulf Consortium Leadership Group, 2018–2023
- Member, Gulf Restoration Science Programs Coordination Forum, 2018–2023
- Member, FEMA Community Planning Capacity Building Recovery Support, 2017–2021
- Member, Texas OneGulf Disaster Research Response Working Group, 2016–2018
- Member, NOAA Social Science Committee, 2014–2015
- NOAA Policy Lead, Department of Commerce Tourism Policy Council, 2014–2015

- Member, White House Subcommittee on Social, Behavioral and Economic Sciences, 2014–2015
- NOAA Policy Lead and Co-Executive Secretary, White House Coastal Green Infrastructure and Ecosystem Services Task Force, 2014–2015
- Policy Lead/Executive Secretary, NOAA Natural Infrastructure Committee, 2013–2015
- Member, NOAA Habitat Conservation Team, 2013–2015
- Member, NOAA Ocean Council, 2013–2015
- Advisor, Department of Interior Metrics Expert Working Group, 2013–2013
- NOAA Policy Lead, White House Hurricane Sandy Task Force, 2013–2014
- Acting Co-Chair/NOAA Lead, White House National Drought Resilience Partnership, 2013–2014
- NOAA Policy Lead, White House Interagency Ocean Policy Task Force, 2012–2014
- Executive Secretary, Marine Protected Areas Federal Advisory Committee, 2008–2010

### **AWARDS AND HONORS**

- National Association of Development Organizations Impact Award, 2021
- Ecological Society of America Innovations in Sustainability Science Award, 2016
- ERT Peer Award, presented for mentoring interns and exceptional service to NOAA, 2012
- ERT Team Award, presented to the team for outstanding dedication to the MPA Center, 2010
- National Scholars Honor Society, presented by the National Society President, 2009
- National 2008 NOAA Sea Grant John A. Knauss Marine Policy Fellowship (Executive)
- Gerard J. Mangone Center for Marine Policy Award, 2007

### **TEACHING EXPERIENCE**

Courses: Coastal Management and Ocean Law; Ocean and Coastal Resources; Professional Skills for Scientists

Lectures: Knowledge Co-Production; Community Resilience; International Ocean and Environmental Policy; United States Ocean and Coastal Policy; Integrated Coastal Management; Environmental and Sustainability Economics; Applied Policy Analysis.

Student supervision: 5 Ph.D. students (Committee Chair or Member), 6 MS students (Committee Member), 2 BS students (Research Manager)



Led interdisciplinary team to create the first geospatial platform for the Texas Coastal Bend, including seven counties and four tools tailored by and for local communities. The tools on Hazards Planning, Social Vulnerability, Economic Development and Environmental Resilience assist communities in co-developing smart growth practices with local data.

## **PUBLISHED WORKS**

### **Peer-Reviewed Publications**

- Olander, L., Warnell, K., Mason, S., Karasik, R., Tallis, H., Coffey, K., Hale, C., Shepard, C., Wovk, K., & Yoskowitz, D. (Accepted for publication). Measuring outcomes: Standardizing socioeconomic monitoring of Gulf Coast restoration. *Communications Earth and Environment*.
- Wovk, K., Adams, M., & Martinez, E. (2023). Translating the complexity of disaster resilience with local leaders. *Frontiers in Communication*, 8.
- Backer, L., Lavery, A., Solo-Gabriele, H., Schnall, A., Estenik, J., Reich, A., Court, C., Wovk, K., Blair, W., Stephan, B., Kirkpatrick, V., Trainer, R., Stumpf, K., Coffey, R., Koeneke, R., & Botta, R. (2023). Chapter 20: Monitoring and measuring human health and well-being. In L. Fleming (Ed.), *Oceans and Human Health: Opportunities and Impacts* (2nd ed., pp. 597–641). Elsevier.
- McClure, M., & Wovk, K. (2022). Covid-19 small business impacts in the Texas coastal bend: A hyperlocal approach for small towns & rural communities. *Small Business Institute Journal*, 18(2), 10–17.
- McKinney, L., Shepherd, J., Wilson, C., Hogarth, W., Chanton, J., Murawski, S., Sandifer, P., Sutton, T., Yoskowitz, D., Wovk, K., Ozgokmen, T., Joye, S., & Caffey, R. (2021). The Gulf of Mexico: An overview. *Oceanography*, 34(1), 30–43.
- Dirani, K., Baldauf, J., Medina-Cetina, Z., Wovk, K., Herzka, S., Bello Bolio, R., Gutierrez Martinez, V., & Ubando, L. (2021). Learning organization as a framework for networks' learning and collaboration. *The Learning Organization*, 28(4), 428–443.
- Sandifer, P., Ferguson, A., Finucane, M., Patyka, M., Solo-Gabriele, H., Hayward Walker, A., Wovk, K., Caffey, R., & Yoskowitz, D. (2021). Human health and socioeconomic effects of the Deepwater Horizon oil spill in the Gulf of Mexico. *Oceanography*, 34(1), 174–191.
- Solo-Gabriele, H., Fiddaman, T., Mauritzen, C., Ainsworth, C., Abramson, D., Berenshtein, I., Chassignet, E., Chen, S., Conmy, R., Court, C., Dewar, W., Farrington, J., Feldman, M., Ferguson, A., Fetherston-Resch, E., French-McCay, D., Hale, C., He, R., Kourafalou, V., ... Yoskowitz, D. (2021). Towards integrated modeling of the long-term impacts of oil spills. *Marine Policy*, 131.
- Wiesenburg, D., Shipp, B., Fodrie, J., Powers, S., Lartigue, J., Darnell, K., Baustian, M., Ngo, C., Valentine, J., & Wovk, K. (2021). Prospects for Gulf of Mexico environmental recovery and restoration. *Oceanography*, 34(1), 164–173.
- McLaughlin, R., & Wovk, K. (2018). Managing areas beyond national jurisdiction in the Gulf of Mexico: Developing international legal authority and future challenges. *Sea Grant Law and Policy Journal*, 9(2), 25.
- Wovk, K., McKinney, L., Muller-Karger, F., Moll, R., Avery, S., Escobar-Briones, E., Yoskowitz, D., & McLaughlin, R. (2017). Evolving academic culture to meet societal needs. *Palgrave Communications*, 3(35).
- Wovk, K., & Yoskowitz, D. (2017). Socioeconomic and policy considerations of living shorelines – U.S. context. In *Living Shoreline Approaches*. Taylor and Francis Publishing.
- Sutton-Grier, A. E., Wovk, K., & Bamford, H. (2015). Future of our coasts: The potential for natural and hybrid infrastructure to enhance the resilience of our coastal communities, economies and ecosystems. *Environmental Science & Policy*, 51, 137–148.
- Cicin-Sain, B., Kuska, G., Synder, C., & Wovk, K. (2015). Development of a national ocean policy in the United States. In B. Cicin-Sain & D. Vanderzwaag (Eds.), *Ocean Policies*. Earthscan Publications Ltd.
- Mendler de Suarez, J., Cicin-Sain, B., Wovk, K., Payet, R., & Hoegh-Guldberg, O. (2014). Ensuring survival: Oceans, climate and security. *Ocean & Coastal Management*, 90, 27–37.
- Gjerde, K., Currie, D., Wovk, K., & Sack, K. (2013). Ocean in peril: Reforming the management of global ocean living resources in areas beyond national jurisdiction. *Marine Pollution Bulletin*, 74(2), 540–551.
- Wovk, K. (2013). Paths to sustainable ocean resources. In K. Noone, R. Sumaila, & R. Diaz (Eds.), *Managing Ocean Environments in a Changing Climate*. Elsevier.

- Wowk, K. (2012). Marine preserves. In K. Bosselmann, D. Fogel, & J. Ruhl (Eds.), *Berkshire Encyclopedia of Sustainability 8/10: The Americas and Oceania – Assessing Sustainability*. Berkshire Publishing Group LLC.
- Wowk, K. (2011). Ocean resource management. In K. Bosselmann, D. Fogel, & J. Ruhl (Eds.), *Berkshire Encyclopedia of Sustainability 5/10: Ecosystem Management and Sustainability*. Berkshire Publishing Group LLC.
- Schwenke, K., Wenzel, L., & Wowk, K. (2010). Networks of Marine Protected Areas: What are they and why are they needed? *Current - The Journal of Marine Education*, 26, 3–6.
- Currie, D., & Wowk, K. (2010). Fishing and whaling legislation. In K. Bosselmann, D. Fogel, & J. Ruhl (Eds.), *Berkshire Encyclopedia of Sustainability 3/10: The Law and Politics of Sustainability*. Berkshire Publishing Group LLC.
- Currie, D., & Wowk, K. (2009). Climate change and CO2 in the oceans and global oceans governance. *Carbon & Climate Law Review*, 3(4), 387–404.

## Technical Reports

- Coastal Bend Council of Governments. (2021). *Coastal Bend Comprehensive Economic Development Strategy*. U.S. Economic Development Administration. (**Committee Chair & Lead Writer**)
- San Patricio County. (2021). *San Patricio County Long Term Recovery Plan—Hurricane Harvey*. San Patricio Emergency Management Office. (**Co-Lead Writer**)
- Wowk, K. and McClure, M. (2020). *COVID-19 Economic Impacts in the South Texas Coastal Bend*. Texas A&M University Corpus Christi, Research and Innovation.
- Villegas, C., Wowk, K., and Shelton, K. (2018.) *Rethinking Disaster Recovery and Mitigation Funding in the Wake of Hurricane Harvey*. Kinder Institute for Urban Research, Rice University.
- Villegas, C., Wowk, K., Shelton, K., Patterson, G., and Lightbourne, J. (2017). *Funding Primer: Harvey Relief and Recovery*. Kinder Institute for Urban Research, Rice University.
- Brown, V., Fauver, S., Geppi, D., Haynes, A., Klockow, K., Nagele, D. (2016). *Risk Communication and Behavior: Best Practices and Research Findings*. Edited by Jacobson, R., and Wowk, K. NOAA Social Science Committee.
- NOAA Social Science Committee. (2015). *NOAA Social Science Vision and Strategy*. (**Lead Editor**)
- OSTP. (2015). *Ecosystem Service Assessment: Research Needs for Coastal Green Infrastructure*. National Science and Technology Council. (**Co-Lead Writer**)
- Cicin-Sain, B., M. Balgos, J. Appiott, K. Wowk, and G. Hamon. 2011. Oceans at Rio+20: How Well Are We Doing in Meeting the Commitments from the 1992 Earth Summit and the 2002 World Summit on Sustainable Development? Summary for Decision Makers. Global Ocean Forum.
- Monaco Message. 2011. Monaco Workshop on Sustainable Use of Oceans in the Context of the Green Economy and Poverty Eradication (Lead Writer).
- Mendler de Suarez, J., B. Cicin-Sain, K. Wowk, R. Payet, and O. Hoegh-Guldberg. 2010. Ensuring Survival: Oceans, Climate and Security. Global Ocean Forum.
- Snyder, C., K. Wowk, J. Appiott, G. Hamon. 2009. Summary of Oceans Day At Copenhagen. Global Ocean Forum.
- Wowk, K., and A. Solofa. 2009. Oceans and the Climate Negotiations. In *Oceans and Climate Change: Issues and Recommendations for Policymakers and for the Climate Negotiations*. Cicin-Sain, B. (ed.).
- Wowk, K. 2009. Encourage Adaptive Management at Regional, National and Local Scales. In *Oceans and Climate Change: Issues and Recommendations for Policymakers and for the Climate Negotiations*. Cicin-Sain, B. (ed.).
- Kullenberg, G., J. Mendler de Suarez, K. Wowk, and B. Cicin-Sain. 2008. Global Forum Policy Brief on Climate, Oceans, and Security. 4th Global Conference on Oceans, Coasts, and Islands.
- Murawski, S., N. Cyr, M. Davidson, Z. Hart, M. Balgos, K. Wowk, and B. Cicin-Sain. 2008. Global Forum Policy Brief on Ecosystem-based Management and Integrated Coastal and Ocean Management Indicators for Progress. 4th Global Conference on Oceans, Coasts, and Islands.
- Snyder, C., K. Wowk, and Diamond, J. 2008. Report from the Strategic Planning Workshop on Global Ocean Issues in Marine Areas Beyond National Jurisdiction in the Context of Climate Change Nice, France, January 23-25, 2008.

## Conference Proceedings and Presentations

- Presenter, “Gulf Science Impact Metrics,” Gulf of Mexico Alliance Meeting, Austin, TX, May 2023.
- Presenter, “Texas OneGulf Workshop #2 – Interdisciplinary PIs & End-User Matchmaking,” Texas OneGulf Workshop Series, Virtual, May 2022.

Lead Presenter, “Regional Resilience Partnership & Disaster Risk Mitigation: Strategies & Tools for Local Resilience,” Coastal Bend Hurricane Conference, Robstown, TX, May 2022.

Lead Presenter, “Regional Resilience Partnership & Disaster Risk Mitigation: Surviving Economic Shock,” Southwest Region Economic Development Association, Houston, TX, April 2022.

Presenter, “Texas OneGulf Center of Excellence - RESTORE Act Centers of Excellence Research Grant Programs – Filling gaps in Gulf research to inform policy and management,” Gulf of Mexico Conference (GOMCON), Baton Rouge, LA, April 2022.

Presenter, “Texas OneGulf Workshop #1 – TONE Integration for OneGulf Solutions,” Texas OneGulf Workshop Series, Virtual, April 2022.

Presenter, “Texas OneGulf Center of Excellence: Advancing Knowledge Co-Production,” Texas OneGulf Consortium Leadership Group Meeting, Virtual, December 2021.

Case Study Lead and Presenter, “Asset-based Community Development for Disaster Risk Mitigation,” TAMU System Emergency Management Research Symposium, College Station, TX, November 2021.

Presenter, “Texas OneGulf Center of Excellence: Advancing Knowledge Co-Production in the FY22 Notice of Funding Application,” Texas oneGulf Agency Council Meeting, Virtual, November 2021.

Presenter, “Texas Coastal Bend Regional Resilience Partnership – Strengthening Resilient Energy Systems,” National Association of State Energy Officials Conference, Virtual, August 2021.

Moderator, “Mitigation of Disasters,” TAMU University Engagement in Disaster Preparedness, Response, Innovation, Mitigation, & Recovery (PRIMR), Virtual, February 2021.

Presenter, “Texas OneGulf Center of Excellence Operations: Knowledge Co-Production to Advance Priority Research Questions,” Texas OneGulf Agency Council Meeting, Virtual, February 2021.

Presenter, “Texas OneGulf: Building Regional Resilience Across Communities, Economies & Ecosystems,” Gulf of Mexico Oil Spill and Ecosystem Science Conference, Tampa, FL, February 2020.

Presenter, “Coastal Bend Regional Mitigation Needs,” Coastal Bend Council of Governments Regional Meeting, Corpus Christi, TX, December 2019.

Presenter, “Building Resilience to Coastal Storms: Human Dimensions of Social-Ecological Systems,” Mexico International Coastal Resilience Symposium, Merida, Mexico, June 2019

Presenter, “Framework for Building Regional Resilience & Risk Mitigation,” Coastal Bend Hurricane Conference, Robstown, TX, May 2019.

Presenter, “Texas OneGulf: Linking People and Environments for Resilient Coasts,” Gulf of Mexico Oil Spill and Ecosystem Science Conference, New Orleans, LA, February 2019.

Moderator, “Harvey Recovery – Building Economic Resilience,” Gulf of Mexico Climate and Resilience Outreach Community of Practice Workshop (CoP), Port Aransas, TX, May 2018.

Moderator, “How communities can change behavior to address complex challenges,” American Association for the Advancement of Science Panel, Austin, TX, January 2018.

Presenter, “Hurricane Harvey: The Human Impact and How to Rebuild with Resilience,” Commission to Rebuild Texas Coastal Bend Meeting, Corpus Christi, TX, November 2017.

Presenter, “Building resilience: the need to address human dimensions of socio-ecological systems,” Coastal and Estuarine Research Federation, Providence, RI, November 2017.

Presenter, “Natural Disaster Resilience – Lessons Learned,” Concurrent Session, U.S.-ASEAN Conference on Marine Environmental Issues, Bangkok, Thailand, September 2017.

Moderator, Blue Economy Panel, ft. H.E. Kobkarn Suriyasat Wattanavrangkul, Thai Minister of Tourism, US-ASEAN Conference on Marine Environment, Bangkok, Thailand, September 2017.

Poster, “Transforming Socio-Ecological Systems: Infrastructure to Build Resilience,” Gulf of Mexico Climate and Resilience Community of Practice, Covington, Louisiana, May 2017.

Moderator, “Challenges to an Ecologically and Economically Sustainable Gulf of Mexico,” State of the Gulf of Mexico Summit, Houston, TX, March 2017.

Panelist, “Encouraging Resilient Practices: Key Concepts for Urban and Rural Coastal Areas.” Binational Perspectives on Gulf of Mexico Sustainability Workshop, NSF Research Collaborative Network, San Miguel de Allende, Mexico, March 2017.

Keynote Presentation, “Future of our coasts: Potential for natural and hybrid infrastructure to enhance ecosystem and community resilience in the U.S.” 19<sup>th</sup> Annual Meeting of the Ecology and Civil Engineering Society (ECES), Koriyama City, Japan, September 2015.

Plenary Presenter, “Enhancing Disaster Resilience by Valuing Nature's Defenses.” International Symposium on Disaster and Biodiversity, Sendai, Japan, September 2014.

Panelist, “Ensuring Survival: Oceans, Climate and Security.” 5<sup>th</sup> Global Oceans Conference, UNESCO, Paris, France, May 2010.

Presenter, “Global Ocean Changes and the International Community’s Response.” 3<sup>rd</sup> World Ocean Forum, Busan, Republic of Korea, November 2009.

Panelist, “Encouraging Adaptive Management Institutions at Varying Scales (e.g., Large Marine Ecosystem, Regional Seas, National and Local).” World Ocean Conference Global Ocean Policy Day Session, Manado, Indonesia, May 2009.

Presenter, “The Failings of the International Whaling Commission: A Result of Institutional Design?” 50<sup>th</sup> Annual Conference - International Studies Association. New York, NY, February 2009.

2024 Nueces County Health Equity Action Committee Workshop (workshop lead)

2023 Effects of Sea Level Rise: Texas Management Transition Advisory Group (workshop co-lead)

2022 Texas OneGulf Center of Excellence Workshop Series: Advancing Interdisciplinary Collaboration and Co-Production (workshop lead)

2021 Texas A&M University Emergency Management Research Symposium (case study lead)

2019-2020 San Patricio County Workshops on Drafting a Long-Term Recovery Plan – applying the FEMA RSFLG Model (co-lead, organizer and facilitator)

2019 NOAA RESTORE Science Program Texas Co-Production Workshop (co-lead and organizer)

2019 Conference Session: Modeling for Synthesis - progress in linking the natural sciences and connecting to politics, economics, health, psychology and further, Gulf of Mexico Oil Spill and Ecosystem Science Conference, New Orleans, LA (session Co-Chair)

2018 Network to Network for the Gulf of Mexico: Leveraging the Power of Network Collaborations (organizer and working group lead)

2018 Gulf Region Co-op: Expert Meeting to Conceptualize a Large-Scale, Long-Term Investment of the Gulf Research Program, Arlington, VA (participant)

2018 Gulf of Mexico Alliance All Hands - Brainstorming Session on Incorporating Ecosystem Services and Social-Behavioral-Economic Indicators into the Coastal Community Resilience Index, St. Petersburg, FL (session co-lead and organizer)

2018 Gulf of Mexico Climate and Resilience Outreach Community of Practice Workshop (CoP), Port Aransas, TX (co-organizer)

2018 Water-Energy-Food Nexus (WEF) Stakeholder Information and Engagement Workshop, San Antonio, TX (participant)

2018 Coastal Bend Grants Writing Workshop – Hurricane Harvey Recovery, Sinton, TX (lead, organizer and facilitator)

2017 Wetlands Conservation Finance: Texas Style, Corpus Christi, TX (co-lead and organizer)

2016 Joint Initiative Gulf of Mexico Coast Roundtable, New Orleans, LA (participant)

2016 HRI Forum on Linking Science to Policy, Tampa, FL (co-lead and organizer)

2016 Texas OneGulf Network of Experts, Corpus Christi and Houston, TX (facilitator)

2015 United Nations Environment Programme: The Economics of Ecosystems and Biodiversity – Oceans and Coasts, Auckland, New Zealand (participant)