

Dr. Lynne M Carter

Dr. Lynne Carter is presently an adjunct faculty at Louisiana State University, Baton Rouge, LA. and at University of Arizona. She has recently returned from 2.5 yrs as the Chief of Party for the *USAID/Uganda Education and Research to Improve Climate Change Adaptation* Activity, a capacity building effort to support establishment of the Makerere University Centre for Climate Change Research and Innovations (MUCCRI) at Makerere University in Kampala, Uganda. Prior to that she was the Associate Director for the Southern Climate Impacts Planning Program (SCIIPP) and the Associate Director for the Sustainability Agenda at Louisiana State University. She has authored, been the lead author and contributed to numerous documents around climate change including all four of the US National Climate Assessments (most recent released in November 2018). She was also the director of a non-profit organization: the Adaptation Network, a project of the Earth Island Institute, and continues to work with communities and others to build resiliency by increasing knowledge and understanding as well as developing adaptations to a changing climate.

Lynne began her career as a marine biologist and earned advanced degrees in marine science (MS), science policy (MMA), and science education (Ph.D.) with the focus on climate change. With the US Global Change Research Program, she became the Regional Liaison to all of the 20 regions for the 1st *U.S. National Assessment of the Potential Consequences of Climate Variability and Change*. Among many other climate change related efforts, she has testified before a US Senate Committee on climate change program issues, participated as an advisor to many organizations and boards, developed and taught semester long and short courses on climate change issues for both formal education (teaching faculty and college students) and informally for the interested public and informal educators (e.g. museums, nature centers, etc.), including the *Public Understanding of Science* as an invited teaching fellow at the Environmental Change Institute at Oxford University. Please see her complete CV for more specifics.

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Dr. Carter at a receding glacier in Alaska.

ACADEMIC TRAINING

Ph.D., University of Wales, Cardiff, Wales, 1997 (Maritime Studies/Climate Change Education)
M.M.A., University of Rhode Island, 1982 (Marine Affairs/ Marine Policy)
M.S., University of Connecticut, 1974 (Marine Ecology and Ichthyology)
B.S., University of Hartford, 1972 (Biology)

PROFESSIONAL POSITIONS

- Adjunct Faculty, Louisiana State University, Dept. of Geography and Anthropology (2016-2021)
- Adjunct Faculty, Center for Emergency Management and Homeland Security, College of Public Service and Community Solutions, Arizona State University (2016->)
- Consultant for the Water Partnership Exchange of the Global Environment and Technology Foundation to SADC (South Africa) to support US Foreign Service Officers with presentation on Climate Change Adaptation and Water in Africa, Oct 24-28, 2016, Johannesburg, SA.
- Senior Technical Advisor, FHI360, *USAID/Uganda Education and Research to Improve Climate Change Adaptation* Activity: June 17, 2016 through 2017.
- Chief of Party, FHI360, *USAID/Uganda Education and Research to Improve Climate Change Adaptation* Activity: Kampala, Uganda, December 2013-June 2016.
- Associate Director, Southern Climate Impacts Planning Program (SCIPP) and Coastal Sustainability Agenda, Louisiana State University (LSU), Baton Rouge, LA, April 2009 to December 2013.
- Director, Adaptation Network, Earth Island Institute project, [501 c (3)], Spring 2007 to 2013.
- Consultant - Planner and Facilitator for Roundtable discussions, Climate Change Science Program, US Global Change Research Program, 2007-2008
- Consultant, wksp planner and leader for NOAA for developing a National Climate Service, 2008
- Consultant, SE Natural Resources Leadership Group, Climate Change - Annual Meeting, 2008
- Senior Technical Advisor/consultant, AED, Monitoring and Evaluation, English writer-editor Egypt Education Reform Program, Cairo, Egypt, November 2004 – May, 2006.
- Invited Teaching Fellow, Environmental Change Institute, Green College, Oxford Univ, 2004.
- Consultant/organizer, NE Governors/ E. Canadian Premiers Adaptation Group, *Climate Change in New England and Eastern Canada: Natural Resource Impacts and Adaptation Responses*, bilateral conference, March 15-16, 2004 and writer for report to governors and premiers–2003/04.
- Consultant, Consortium for Atlantic Regional Assessment (CARA), Penn State Univ. 2002-/05.
- Consultant, USEPA, Global Change Office, Washington, DC. Oct, 2002-Dec, 2003.
- Environmental Team Leader, consultant, and writer US Report to the World Summit on Sustainable Development (WSSD), USAID/AED/DIS, Washington, DC, May-July 2002.
- Regional Liaison, 1st U.S. National Assessment : *Potential Consequences of Climate Variability and Change*, Coordination Office, US Global Change Research Program, Washington, DC, 1998-2002.
- Adjunct Science Faculty, Vermont College Adult Degree Program, Montpelier, VT, 2001–2002.
- Education consultant, Institute for Global Environmental Strategies, in support of the U.S. National Global Environmental Change Assessment, July 1997- July 1998.
- Visiting Scientist, Graduate School of Oceanography, University of Rhode Island 1995-1998.
- Director, Office of Marine Education, Graduate School of Oceanography, URI, Narragansett, RI, 1994-1995.
- Associate Director for Industrial Relations, Ocean Technology Center, NSF I/UCR Center, University of Rhode Island, 1993-1995.
- Special Assistant to the Vice Provost for Global Change, Graduate School of Oceanography, University of Rhode Island, Narragansett, RI, 1990- 1994.
- Executive Director, Center for Ocean Management Studies, University of Rhode Island, Kingston, RI, 1981-1990.

- Marine Research Assistant, Marine Ecosystems Research Laboratory, University of Rhode Island, Narragansett, RI, 1979-1981.
- Marine Research Assistant, National Marine Fisheries Service, NOAA, Milford, CT., 1978.

PROFESSIONAL EXPERIENCE

- Chair, Barrington, RI Energy and Resilience Committee, Feb 2020 and forward
- Invited Op Ed piece Washington Post, July 17, 2019
<https://www.washingtonpost.com/opinions/2019/07/17/hurricanes-are-dramatic-they-arent-only-way-measure-impact-climate-change/>
- Convening Lead Author, Southeast Chapter, 4th US National Climate Assessment (2016-2018)
- AWARD: The Gulf of Mexico Climate Community of Practice 2013 Gulf of Mexico Spirit of Community Award, selected by peers in recognition of leadership in climate planning, education, networking and communication.
- Climate Expert advisor to the Gulf Coast Vulnerability Assessment Forum, 2012-2013.
- Co-chair, Practical Solutions for a Warming World: AMS Conference on Climate Adaptation 18–20 July 2011, Asheville, North Carolina
- Invited member of the Adaptation Committee for the American College & University President’s Climate Commitment (ACUPCC) Study on Higher Education’s Role in Adapting to Climate Disruption, May 2011 – completion of project.
- Appointed member of the National Climate Assessment Development and Advisory Committee (NCADAC), Federal Advisory Committee to the US National Climate Assessment, April, 2011-14. Convening Lead Author of SE chapter and Lead Author of Adaptation Chapter for 3rd US National Climate Assessment, 2014.
- ICLEI Adaptation Advisory Group member, appointed October, 2010-2013
- Center for Planning Excellence, Baton Rouge, Advisory Group, fall 2009 -2013
- Board of Directors, Provincetown Coastal Resource Center, Provincetown, MA, 2009 -2013
- Work with Cape Cod Commission and towns on Cape Cod and Islands to include climate change information in their 2010 updated FEMA Pre-hazard Mitigation Plans, April-Nov 2009.
- World Café exercise, developed and ran climate discussions (with James Hocker) for US F&WS and USGS annual meeting on Climate Change, Austin, TX, Aug 2009.
- Author Team (adaptation focus), *Global Climate Change Impacts in the United States: A State of Knowledge Report* from the US Global Change Research Program, T Karl, J Melillo, and T. Peterson, eds., released by the White House June, 2009.
- Invited participant: *TippingPoint* science/artist conference, Oxford, UK, September 2008.
- Advisor, Centers for Environmental and Climatic Interaction, Ashville, NC. December, 2007
- Testify before Committee on Commerce, Science, and Transportation of the US Senate: “A Time for Change: Improving the Federal Climate Change Research and Information Program.” November 14, 2007, Russell Senate Office Bldg, room 253, Washington, DC.
- National Research Council Scoping Session for study on Climate Change Adaptation, invited participant. Washington, DC. October 25, 2007.
- Science and English language editor, ZERI Creative Science Education Initiative, Egypt, 2005/6.
- Science team, Inaugural session The Halki Ecological Institute, Istanbul, Turkey, June 5-20, 1999.
- Associate, The Conservation Foundation, London, UK, 1998 – 2009
- National Visiting Committee, National Science Foundation, Marine Advanced Technology Education Program, Monterey, CA., 1998-2005, Chair 2005-2012.
- Environmental/academic advisor, New England Board of Higher Education, Council of Academic Advisors, Environmental Project, 1992-1994, 1995-1997.
- Coordinator, Education and Communications Working Group, Subcommittee on Global Change Research, US Global Change Research Program, Washington, DC, 1991-1996.
- Publications Director, Marine Technology Society, Washington, DC, 1991-1995.
- Content consultant, *Gathering for the Earth*, National Earth Day Videoconference, April 1995.

- Originator and content consultant for the University of Maryland, International University Consortium, distance-learning course on *Global Change, Science and Social Issues*, 1994.
- Content consultant and videoconference host for National Informal Educators Global Change Videoconference and Regional Workshops, November 14-16, 1994.
- Consultant to the Undersea Vehicles and National Needs Study, Marine Board, National Research Council, 1993-1994.
- Chair, University of Rhode Island President's Advisory Council on Environmental Issues, URI, 1992-1994.
- *Global Environmental Change: The Science and Social Issues*, developed semester long course and Honors Colloquium, URI, Spring 1991; team taught with Dr. Margaret Leinen.
- Division Secretary, Marine Division, National Association of State Universities and Land Grant Colleges, Washington, DC, 1984-1985.
- Coordinator, Sea Grant Week '85, The 20th Anniversary of Sea Grant, Newport, RI.
- Rapporteur, The Edwin B. Forsythe Roundtable, "Management Options for Marine Areas," sponsor: The Honorable Claudine Schneider, The Year of the Ocean Foundation, URI, and the Center for Environmental Education, held at the University of Rhode Island, Aug. 8, 1985.
- Public Participation Advisory Committee, EPA, Narragansett Bay Estuarine Program, 1983-85.

PUBLICATIONS/ RESEARCH REPORTS/ PROCEEDINGS

- Carter, L., A. Terando, K. Dow, K. Hiers, K.E. Kunkel, A. Lascrain, D. Marcy, M. Osland, and P. Schramm, 2018: Southeast. In *Impacts, Risks, and Adaptation in the United States: Fourth National Climate Assessment, Volume II* [Reidmiller, D.R., C.W. Avery, D.R. Easterling, K.E. Kunkel, K.L.M. Lewis, T.K. Maycock, and B.C. Stewart (eds.)]. U.S. Global Change Research Program, Washington, DC, USA, pp. 743–808. doi: 10.7930/NCA4.2018.CH19
- Mfitumukiza, David, Bernard Barasa, Lynne Carter, Anna Maria Nankya, Grace Nansamba, John Francis Okiror, Ivan Lukanda, May Sengendo, Michael Ssekaayi Mbogga, *The Contribution of Farmer Field Schools in Facilitating Smallholder Farmer's Adaptation to Drought in Kiboga District, Uganda*. International Journal of Agriculture and Forestry 2017, 7(3): 67-75
- Carter, Lynne M, member Federal Advisory Committee, Convening Lead Author Southeast Chpt and Lead Author Adaptation Chpt, US National Climate Assessment, 2014.
 - Carter, L. M., J. W. Jones, L. Berry, V. Burkett, J. F. Murley, J. Obeysekera, P. J. Schramm, and D. Wear, 2014: Ch. 17: Southeast and the Caribbean. *Climate Change Impacts in the United States: The Third National Climate Assessment*, J. M. Melillo, Terese (T.C.) Richmond, and G. W. Yohe, Eds., U.S. Global Change Research Program, 396-417. <http://dx.doi.org/10.7930/J0NP22CB>
 - Bierbaum, R., Joel B. Smith, Arthur Lee, Maria Blair, Lynne Carter, F. Stuart Chapin III, Paul Fleming, Susan Ruffo, Missy Stults, Shannon McNeeley, Emily Wasley, Laura Verduzco. *A comprehensive review of climate adaptation in the United States: more than before, but less than needed*. Mitig Adapt Strateg Glob Change DOI 10.1007/s11027-012-9423-1
- Needham, H, and L. Carter, *Gulf Coast Climate Needs Assessment*, SCIPP, September 2012.
- Needham, H, D. Brown, and L. Carter, *Impacts and Adaptation Options in the Gulf Coast*, Prepared for Center for Climate and Energy Solutions, June 2012.
- *Higher Education's Role in Adapting to a Changing Climate*, L Carter contributor as member of the Higher Education Climate Adaptation Committee, a publication of the AMERICAN COLLEGE & UNIVERSITY PRESIDENTS' CLIMATE COMMITMENT, Second Nature, November, 2011.

- Hocker, J., and L. Carter, SOUTHERN U.S. REGIONAL HAZARDS AND CLIMATE CHANGE PLANNING ASSESSMENT: A summary report based on a regional survey conducted by the Southern Climate Impacts Planning Program (SCIPP), July 2010
- Carter, L. and J. Hocker, BLENDING PERSPECTIVES TO COLLECTIVELY ADDRESS CLIMATE CHANGE ISSUES ACROSS THE WESTERN GULF COAST AND SOUTHERN PLAINS: A summary report of World Café sessions at a regional climate change workshop sponsored by the U.S. Fish and Wildlife Service and U.S. Geological Survey, August 10-12, 2009
- Carter, L.M. Lead Author, *Global Climate Change Impacts in the United States: A State of Knowledge Report* from the US Global Change Research Program. T. Karl, J. Melillo, and T. Peterson, editors, June, 2009.
- Carter, L and B. Raps: "Adapting to Climate Change: It is Just Better Planning," in *Climate Change Vulnerability and Adaptation*, Basins and Coasts News, 2008, vol 2/issue 1, 29-31 pp: <http://www.imcafs.org/>.
- NE Governors/ E. Canadian Premiers Adaptation Group, *Climate Change in New England and Eastern Canada: Natural Resource Impacts and Adaptation Responses*, conference report/ recommendations, 2004.
- Rock, B., L. Carter, H. Walker, J. Bradbury, L. Dingman, and T. Federer, "Climate Impacts on Regional Water" chpt 6 in *Preparing for a Changing Climate: The Potential Consequences of Climate Variability and Change*, Overview and Foundation reports. The New England Regional Assessment Group. US Global Change Research Program, Univ. of New Hampshire, 2001, 96 pp.; 2002, 108 pp.
- Rock, B., L. Carter, B. Sherman, S. Hale, and P. Epstein, "Human Health" chpt 7 in *Preparing for a Changing Climate: The Potential Consequences of Climate Variability and Change*, Overview and Foundation reports. The New England Regional Assessment Group. USGCRP, University of New Hampshire, 2001, 96 pp.; 2002.
- Carter, L.M., E. Shea, M. Hamnett, C. Anderson, G. Dolcemascolo, C. Guard, M. Taylor, T. Barnston, Y. He, M. Larsen, L. Loope, L. Malone, G. Meehl, "Potential Consequences of Climate Variability and Change for the US-Affiliated Islands of the Pacific and Caribbean," pp315-350 in *The Potential Consequences of Climate Variability and Change: Foundation Report*, Report by the National Assessment Synthesis Team for the US Global Change Research Program, Cambridge University Press, Cambridge, UK, 620pp. 2001.
- Carter, Lynne M. Additional lead author: National Assessment Synthesis Team (NAST), *Climate Change Impacts on the United States: The Potential Consequences of Climate Variability and Change: Overview Report*, US Global Change Research Program (USGCRP), Cambridge University Press, New York, 154 pp., 2000.
- Carter, Lynne M. "About the Weather: Why New England Scientists, Policymakers, and Residents Need to Think Climate Change." Connection, New England's Journal of Higher Education and Economic Development; New England Board of Higher Education, 2000.
- Carter, Lynne M. "Global Environmental Change: Modifying Human Contributions Through Education," *Journal of Science Education and Technology*, v 7, i 4, 297-309, 12/01/1998.
- Carter, Lynne M and Gail Scowcroft; "Global Change Education: Asking the Right Questions," *Human Dimensions Quarterly* 1(3), 1995
- Carter, Lynne M; "Global Change Education: The Evolving Federal Plan" and "The Science and Social Issues Related to Global Environmental Change: An Undergraduate Honors Colloquium" in NATO special symposium series entitled *Global Environmental Change in Science: Education and Training*, Springer-Verlag, 1995.
- Carter, Lynne M. and Charles D. Aldrich (editors); *Global Environmental Change: The Scientific and Social Issues, an Anthology of Readings*, International University Consortium, University of Maryland, 1994.
- Carter Hanson, Lynne; "Framework for Long-term Planning and Short-term Program Recommendations FY '93," Subcommittee on Global Change Research, Task Group on Education, 1993
- Carter Hanson, Lynne; "Global Change Education," Marine Technology Society (MTS) '92 Annual Meeting Proceedings, Washington, D. C., October 19-21, 1992.

- Carter Hanson, Lynne (guest editor); *Global Change*, Part 2; *MTS Journal*, Winter 1991-1992.
- Carter Hanson, Lynne (guest editor); *Global Change*, Part 1; *MTS Journal*, Fall 1991.
- Carter Hanson, Lynne and J.B. Mooney (guest editors); *A Deepest Ocean Presence*; Special Issue of the *Marine Technology Society Journal*, June 1990.
- Carter Hanson, Lynne; "New Technologies," Final Report of the Workshop on Scientific Shipboard Diving Safety, UNOLS, 1990.
- Center for Ocean Management Studies; "Coastal and Estuarine Data in Disarray: Development of a Data Management Model That Works," Summary of a workshop, COMS, URI, July 1989.
- Carter Hanson, Lynne, "From Low-Cost Vehicles to the Deepest Ocean - The Process." Woods Hole Oceanographic Institution. American Academy of Underwater Sciences Ninth Annual Scientific Diving Symposium, September 30, 1989.
- Center for Ocean Management Studies "Global Environmental Change and the Potential Human Consequences." Summary of a daylong forum, COMS, URI, September 30, 1988.
- Alexander, Lewis M., Scott Allen, and Lynne Carter Hanson (editors); *New Developments in Marine Science and Technology: Economic, Legal, and Political Aspects of Change*; Proceedings from the 22nd Annual Law of the Sea Institute Conference, Law of the Sea Institute, Wm. S. Richardson School of Law, University of Hawaii, June 1988.
- Carter Hanson, Lynne and Robert Corell (editors); *In Situ News*, Vols. 1 and 2, 1987-1989.
- Carter Hanson, Lynne; "The Scientific and Human Aspects of Global Environmental Change," *Maritimes*, URI, Graduate School of Oceanography, May 1988.
- Carter Hanson, Lynne and Sylvia A. Earle; "Submersibles for Scientists." *Oceanus*, Vol. 30, No. 3, p. 31-38, Fall 1987.
- Carter Hanson, Lynne; "The Marine Research Community and Low-Cost ROVs and Submersibles: Needs and Prospects," URI, Workshop Report, October 13-15, 1986.
- Sutinen, Jon G. and Lynne Carter Hanson (editors); *Rethinking Fisheries Management*; Proceedings from the Tenth Annual Conference, COMS, URI, June 1986.
- Carter Hanson, Lynne, Bob Aaron, and John Kermond; *Sea Grant: Past, Present, and Future*. Twentieth Year Commemorative Anniversary Report. The Sea Grant Association and the University of Rhode Island, Oct 1985.
- Grigalunas, Thomas and Lynne Carter Hanson (editors); *The Continental Shelf: Resources, Boundaries, and Management*; Proceedings from the Ninth Annual Conference, Center for Ocean Management Studies, URI, June 1985.
- Alexander, Lewis M. and Lynne Carter Hanson, "Regionalizing Exclusive Economic Zone Management." Invited paper, *Oceanus*, Woods Hole Oceanographic Institution, Woods Hole, Massachusetts, Winter 1984/85.
- Alexander, Lewis M. and Lynne Carter Hanson (editors); *Antarctic Politics and Marine Resources: Critical Choices for the 1980s*; Proceedings from the Eighth Annual Conference, COMS, URI, 1984.
- Carter Hanson, Lynne, and Lewis M. Alexander (editors); *Resource Use and Use Conflicts in the EEZ*; Proceedings of a Workshop, COMS, URI, April 1984.
- Juda, Lawrence (editor); *Shipping Nationalism and the Future of the United States Liner Industry: the UNCTAD Code and Bilateralism*; Proceedings of a Workshop, Center for Ocean Management Studies, URI, Times Press, November 1983.
- Juda, Lawrence (editor); *The United States Without the Law of the Sea Treaty: Opportunities and Costs*; Proceedings from the Seventh Annual Conference, Center for Ocean Management Studies, URI, Times Press, June 12-15, 1983.
- Center for Ocean Management Studies; *Implications of a United States Claim to a 200-Mile Exclusive Economic Zone*; Summary of a Workshop, URI, April 11-12, 1983.
- Carter Hanson, Lynne; "Oil and Gas Exploration on Georges Bank," *The Sou'Wester*, Yarmouth, Nova Scotia, February 1983.

- Galloway, Thomas D. (editor); *The Newest Federalism: A New Framework for Coastal Issues; Proceedings from the Sixth Annual Conference*, Center for Ocean Management Studies, URI, Times Press, June 20-23, 1982.
- Carter Hanson, Lynne; "Oil and Gas Exploration on Georges Bank," *Maritimes*, University of Rhode Island, Graduate School of Oceanography, November, 1982.
- Carter Hanson, Lynne, and Malcolm R. DeVoe; *A Preliminary Assessment of the Impact of Residential Development on the Newport Neck Area*; Chapter "Transportation Evaluation," Newport, Rhode Island, 1980.

BOOK REVIEWS

- Education Department, Stephen-Birch Aquarium-Museum et al.; *Forecasting the Future: Exploring Evidence for Global Climate Change*; *Climatic Change* 38: 507-509, 1998.
- Richard A. Geyer (editor); *A Global Warming Forum: Scientific, Economic, and Legal Overview*; *Marine Technology Society Journal*, 1994.
- Vanderzwagg, David L.; *THE FISH FEUD. The U.S. and Canadian Boundary Dispute*; *Journal of Maritime Law and Commerce*, 1984.

CONFERENCES, WORKSHOPS, SESSIONS: ORGANIZED AND CONDUCTED

- Facilitator, *Where Can ICTforAg Increase Climate Change Resilience?* At ICTforAG 2018, Washington, DC June 14, 2018
- Co-chair and leader, Education and Training, CBA-11, Kampala, Uganda, June 26-29, 2017
- Leader, SE Regional Assessment Public Workshop, Raleigh, NC Mar 25, 2017
- Dozens of climate training sessions for such as: journalists, lawyers, Ugandan army, various student groups both undergraduate and graduate students, department faculty such as Peace and Religious Studies, Development, Education, etc. 2013-2016.
- Chair, Urban Capacity Building, CBA-10, Bangladesh, April 21-28, 2016
- Co-chair, *Practical Solutions for a Warming World: AMS Conference on Climate Adaptation*, Asheville, North Carolina, 18–20 July 2011
- Co-sponsor with Waquoit Bay NERR: *Plan to Protect: How Communities Can Prepare for Climate Change*, MA, April 2009
- Workshop entitled: *Challenges of Climate Change: Two Bellwether Regions and Their Implications for the Globe*, featuring Dr. James McCarthy (replaced Dr. Robert Corell) and Dr. Eric Davidson, at "Bioneers By the Bay," Oct 21, 2006, UMASS, Dartmouth, MA.
- Consultant/organizer, NE Governors/ E. Canadian Premiers Adaptation Group, *Climate Change in New England and Eastern Canada: Natural Resource Impacts and Adaptation Responses*, bilateral conference, March 15-16, 2004
- Designing Climate Change Curriculum – workshop at "The Economic and Social Impacts of Climate Change in Vermont" sponsor: Atlantic Foundation for the Environment, Burlington, VT Nov 12, 1999, with Jack Byrne and Alan Fletcher
- Middle School Teacher Institute on Global Change Issues, August 17-22, 1995
- "Teaching the Human Dimensions", Human Dimensions of Global Change First Open Meeting, Raleigh-Durham, N.C. May 31-June 3, 1995, with Gail Scowcroft
- *Gathering for the Earth*, National Earth Day Videoconference, April 21, 1995, Washington, DC with Dr. Lynn Mortensen
- National Informal Educators Videoconference and Regional Workshops, November 14-16, 1994 with Dr. Lynn Mortensen and Sea Grant Regional Coordinators
- Middle School Teacher Institute on Global Change and Health Issues, June 21-July 2, 1994
- Global Issues Track Chair Marine Technology Society Annual Mtg, MTS '92, Oct 19-21, 1992.
- Red Carpet Day for Industry at URI/GSO, May 14, 1992.
- Earth Day public program Barrington, RI High School, "After the Warming." April 26, 1992.
- Governor's Industry/Academia Meeting URI/GSO, Daylong forum, August 1991.
- CEES Global Change Education Task Group, Long-Term Planning Meeting, URI, July 1991.
- Global Environmental Change: The Science and Social Issues, Honors Colloquium, URI, 1991.
- Workshop on Scientific Shipboard Diving Safety, UNOLS, 1990.
- *Coastal and Estuarine Data in Disarray: Development of a Data Management Model that Works*, Center for Ocean Management Studies, URI, 1989.

- Submersible Science Study for the 1990s, URI and Monterey, CA, UNOLS, 1988 and 1989.
- A Deepest Ocean Presence, Oceans '89, MTS, Seattle, WA, 1989.
- A Deepest Ocean Presence, Plenary Session, Intervention '89, MTS, San Diego, CA, 1989.
- A Deepest Ocean Presence, Oceans '88, MTS, Baltimore, MD, 1988.
- Global Environmental Change and the Potential Human Consequences Forum, COMS, URI, 1988.
- Low-Cost ROVs and Submersibles for Science, Poster Session, AGU, Marine Science Mtg, 1988.
- The Marine Research Community and Low-Cost ROVs and Submersibles: Needs and Prospects, COMS, URI, 1986.
- Rethinking Fisheries Management, COMS, URI, 1986.
- Sea Grant: Past, Present, and Future. Twentieth Anniversary Conference 1985.
- Antarctic Politics and Marine Resources: Critical Choices for the 1980s, COMS, URI, 1984.
- Resource Use and Use Conflicts in the EEZ, COMS, URI, 1984.
- Shipping Nationalism and the Future of the US Liner Industry: The UNCTAD Code and Bilateralism, COMS, URI, 1983.
- Implications of a US Claim to a 200-Mile Exclusive Economic Zone, COMS, URI, 1983.
- The Newest Federalism: A New Framework for Coastal Issues, COMS, URI, 1982.

PRESENTATIONS

- Southern journalists wrkshp: Building Climate Reporting Confidence, *Climate Change 101*, via zoom, Covering Climate Now and Climate Matters in the Newsroom, March 25, 2021
- Tulane Engineering Forum, Tulane University, Plenary Panel Presentation: *Thinking Adaptation? Some of the things you might want to think about*, Sept 2, 2020 via zoom
- Marine Affairs program, URI: *Planning Adaptations? Some ideas and concepts to consider*, March 17, 2020
- Keynote presentation: *A Call to Action. Why we might want to get to Net Zero: To Reduce Risks/Avoid Impacts and Lead the Way*, Cape Cod Climate Change Collaborative, Net Zero Cape and Islands, 2019 Roundtable, Oct 10, 2019
- SECOORA Annual Meeting, Wilmington, NC, *The Fourth National Climate Assessment: Process, Findings, and Implications for the Southeast*, June 19, 2019
- 2019 10X Water Summit, Phoenix, AZ, March 26-28, 2019: 10X and the National Climate Assessment – panel presentation and discussion
- Climate Alliance, Washington, DC: *The Fourth National Climate Assessment: Process, Findings, and Implications for the Regions*, February 5, 2019
- University of RI, Resource Economics Seminar Series, Kingston, RI: *Thinking Adaptation? Some of the things you might want to think about*. Sept 28, 2018
- Barrington RI Public Library: *Climate Change – the Short Story*, April 24, 2018
- Two presentations at the Gulf Coast Community of Practice: *National Climate Assessment Process Overview* and *Talking about Risks*, May 16-17, Covington, LA 2017
- Two presentations on Climate Change to men's and women's groups in upstate NY – winter 2016-17
- Water Partnership Exchange of the Global Environment and Technology Foundation to SADC presentation on Climate Change Adaptation and Water, for US Foreign Service Officers Oct 24-28, 2016, Johannesburg, SA
- Moderator for: MUCCRI – Makerere University Center for Climate Change Research and Innovation presentation at the Africa Pavilion, at the COP 21 in Paris, invited by the African Development Bank. Dec 2015.
- Dozens of “Climate Change - The Short Story” introductions and training presentations from Jan 2014 to June 2016 in Uganda - reaching thousands per year directly/indirectly through presentations, short courses and revised semester long courses
- Security and Sustainability in cooperation with Second Nature, National Climate Assessment Webinar Series: *The Southeast and Caribbean* and *The Adaptation Chapter*, March 14, 2013
- NOAA CSC, SCIPP, MS/AL Sea Grant, Climate Adaptation Training Program: *Planning to Protect, How to be More Ready for a Changing Climate*, Feb 27, and Regional Adaptation Examples Feb 28, 2013.

- NOAA CSC, SCIPP, LA Sea Grant, LA Coastal Zone Program, Climate Adaptation Training Program: *Planning to Protect, How to be More Ready for a Changing Climate*, Feb 25, and Regional Adaptation Examples Feb 26, 2013.
- National Climate Assessment (NCA), SE Town Hall Mtg: Adaptation Chapter, Tampa, Feb 19, 2013
- UCS National Climate Assessment Webinar Series: The Southeast and Caribbean, Feb 11, 2013
- LaFourche Parish, Louisiana, *Planning to Protect: How to be More Ready in a Changing Climate*, Climate Science and Adaptation presentation in LA Sea Grant workshop, Jan 10, 2013
- Stennis Space Center, MS: *Thinking Adaptation? Some of the things you might want to think about*. Oct 2012.
- Louisiana Geographic Information Systems Council Meeting, *Gulf Coast Climate Information Needs Assessment*, Oct 18, 2012
- NY State Climate Smart Communities Program – webinar – *The National Perspective*, Oct 11, 2012
- NOAA, CSC and CZMA, Virtual Conference #3: Regional Initiatives and Partnerships to Address Coastal Hazards and Climate Change; *Gulf Coast Climate Information Needs Assessment*, Oct 11, 12
- *Learning About a Changing Climate* presentation at the Climate Teacher Workshop, sponsored by Louisiana Sea Grant, Baton Rouge, LA. July 23, 2012
- *Learning About a Changing Climate* presentation at the Climate Teacher Workshop, sponsored by the Mississippi Department of Marine Resources, Grand Bay National Estuarine Research Reserve and the University of Southern Mississippi’s Center for Science and Mathematics Education, July 12, 2012, NEERS, Coastal Resources Center, Moss Point, MS.
- *Building a Resilient Louisiana* workshop, Planning Panel/Citing Considerations presentation, LSU, May 15-16, 2012
- Gulf of Mexico Climate Outreach, Community of Practice Annual Meeting, 2 presentations: National Climate Assessment update and Gulf Coast Survey results, New Orleans, April 16-18, 2012
- NOAA - 6th Educational Partnership Program: Education and Science Forum, Developing STEM Talent: Increasing Innovation and National Competitiveness, presentation title: Overview - Resilient Coastal Communities and Economies: *Challenges and Opportunities*, Tallahassee, FL, March 26-28, 2012
- Presentation to LA Sea Grant Quarterly Meeting: *Preliminary Results Gulf Coast Climate Information Needs Assessment*, Baton Rouge, LA, March 9, 2012
- *Planning to Protect: The Mississippi Gulf Coast*, at NERR workshop: Planning for the Future in Jackson County, Sea Level Rise and Changing Coastal Conditions, Grand Bay National Estuarine Research Reserve, Mississippi, March 6, 2012
- *The National Climate Assessment – Regions*, at 2012 Climate Leadership Conference, Association of Climate Change Officers, Weston, FL, Feb 29, 2012
- *Reaching the Public: In-person*, DOI S. Central Climate Science Center Wkshop, LSU, Jan 2012
- *Musings Around Hazard Planning and Climate Adaptation: Parts of a continuum?* Hazard Mitigation and Climate Adaptation panel, AMS, New Orleans, Jan 2012
- *So you want to work in Climate or Sustainability or Hazards or . . . What are you bringing to the table?* Hot Topics and Local Weather Session, 11th AMS Student Conf., New Orleans, Jan 2012
- Presentation to LA Coastal Zone Programs’ Quarterly Meeting: *Preliminary Results Gulf Coast Climate Information Needs Assessment*, Baton Rouge, LA, Jan 5, 2012
- Panel presentation: on reaching key audiences - *Climate Literacy and Academia hmmm . . .* at Climate Literacy in the Southeast (CLiPSE) Workshop, Memphis, October 26, 2011
- *Considering a Changing Climate*, Invited presentation for National Caucus of Environmental Legislators, 4th Annual Mississippi River Forum, New Orleans, LA, Sept 16, 2011
- *Considering a Changing Climate*, Invited presentation for Rand Roundtable entitled: Exploring Resilience in a Changing World: Bridging the Science of Disaster with a Dialogue about Human Impact, New Orleans, LA, Sept 12, 2011
- *Preliminary Results: Gulf Coast Needs Assessment*; in Practical Solutions for a Warming World: AMS Conference on Climate Adaptation, Asheville, North Carolina, 18–20 July 2011

- *Adapting to a Changing Climate*: Aransas City, TX. Aransas area communities and marine research station. Part 3 of below sessions: June 30, 2011
- *Planning to Protect: How We Might Think About a Changing Climate and Be More Ready*. First webinar in series: Adaptation in a Changing Climate and its Impact on National Security presented by The Security and Sustainability Forum, June 21, 2011
- *Planning to Protect: The Texas Gulf Coast*, workshop presentation for Aransas County communities on climate issues and preparing through the National Estuarine Research Reserve program May 3, 2011, part 1 of a 3-part process focused on building climate change and adaptation understanding with the local communities.
- America's Wetlands Foundation: Resilient Communities, first workshop, Lake Charles, LA: *Planning to Protect: How We Might Think About a Changing Climate and Be More Ready*, March 22, 2011
- Climate Communities webinar: *Planning to Protect: How We Might Think About a Changing Climate and Be More Ready*, March 10, 2011
- Public/community presentation: *Planning to Protect: How We Might Think About a Changing Climate and Be More Ready*, Mandeville community project, Mandeville, LA, Jan 31, 2011
- Public presentation - League of Women Voters, St. Tammany Parish, LA: *Planning to Protect: How We Might Think About a Changing Climate and Be More Ready*, January 25, 2011
- LA Sea Grant and Extension Winter mtg, *Gulf Coast Climate Needs Assessment*, LSU, Dec 15, 10
- Preparing for Climate Change: Science, Practice, and Policy, Restore America's Estuaries, 5th National Conference, *Planning To Protect: How Communities Might Think About a Changing Climate and Be More Ready*, Plenary Panel, Galveston, TX, November 15, 2010
- Prowalk/ Probike Annual Conference, *Planning to Protect: Thinking About Climate Change and Adaptation*, Chattanooga, TN, Sept 14, 2010.
- CPEX Smart Growth Conference, *Planning to Protect: How We Might Think about A Changing Climate and Be More Ready*, Baton Rouge, LA, August 20, 2010.
- National Park Service Webinar Series presentation: *Planning to Protect: How We Might Think About A Changing Climate and Be More Ready*, August 12, 2010
- State of the Coast: Implementing a Sustainable Coast for Louisiana, panel presenter in: *Adapting Natural and Built Environments to a Changing Climate*, Baton Rouge, LA, June 9, 2010
- LA Sea Grant Extension meeting, *Planning to Protect: How We Might Think about A Changing Climate and Be More Ready*, LSU, April 30, 2010
- American Planning Association Annual Meeting, *Planning to Protect: Thinking About Climate Change and Adaptation*, panel presentation, New Orleans, April 10, 2010
- Louisiana Local Coastal Program's 3rd Quarterly Meeting, *Planning to Protect: How We Might Think About A Changing Climate and Be More Ready*, Baton Rouge, Louisiana, March 25, 2010
- City of Austin, TX Climate Planning Workshop, presentation: *Planning to Protect: How We Might Think about A Changing Climate and Be More Ready*, March 2010
- Louisiana Chapter American Society of Landscape Architects Annual Conference, New Orleans, present: *Climate Changes Now and Later: Considerations for Design and Planning*, Feb 2010
- Regional Climate - Monitoring, Modeling, Predicting, and Impacts Conference, *Vulnerabilities and Impacts: A new paradigm for research*, National Weather Service, Univ. of OK, Feb, 2010
- *Planning to Protect: Helping Southeast Communities Think about Climate Change and Adaptation*, January 28, 2010, inaugural speaker for the Southern Alliance for Clean Energy (SACE) and ICLEI: Local Governments for Sustainability launch of monthly webinar series
- Native Peoples, Native Homelands Climate Change Update Conference, *Climate in the Great Plains*, Minnesota, November, 2009
- Hawaii Conservation conference, speaker on coastal and adaptation issues from *Global Climate Change Impacts in the United States*, first regional discussion, HI, July 2009.
- Southern Climate Impacts Planning Program presentation and Sustainability Studio presentation to LA Marine Extension Agents, quarterly meeting, LSU, Aug, 2009.
- Keynote presentation: *A National Climate Service: Why Now*, Northern Gulf Institute, annual meeting, Mobile, AL., May 2009.
- 2 presentations at *Plan to Protect: How Communities Can Prepare for Climate Change*: 1) An Overview of Climate Change; 2) Climate Change is Here: Adapt or React, April 2009, MA.

- “Regional Perspectives and Recommendations,” in the session on *Building a Climate Change Assessment Program* at 8th National Conference on Science, Policy and the Environment: Climate Change Science and Solutions. Washington, DC, Jan 17, 2008.
- “Adapting to Climate Change: Planning Approaches and Resources,” at Climate Change and Cape Cod: Coastal Impacts and Adaptation Strategies, sponsored by the Waquoit Bay National Estuarine Reserve, W. Yarmouth, MA, Dec 4, 2007
- “Adapting in a Changing Climate,” 2 workshop sessions at Powershift 2007, National Youth Summit to Solve the Climate Crisis, UMD, MD. Nov 2-5, 2007
- Plenary panel presentation on climate change: “Adapting in a Changing Climate: It is just better planning,” National Estuarine Research Reserves Annual meeting, WV, October 23, 2007.
- “Adapting in a Changing Climate: Newly Developed and Developing Tools,” Annual meeting Coastal States Organization, Woods Hole, MA, Oct 17, 2007.
- Presentation on regional stakeholder participation at Crossroads II: Community-Based Collaborative Research for Social Justice Conference. Institute for Community Research, Hartford, CT, June, 2007.
- American Meteorological Society (AMS) Summer Policy Colloquium, Case Study 1: US National Assessment, panel presentation on regional stakeholder participation, Wash DC June 6, 2007.
- "Setting the Stage: For Adaptation, Act Regionally," Adaptation to Climate Change: Expanding Our Moral and Civic Imaginations to the Scope and Urgency of the Challenge, co-sponsors: Center for Humans and the Environment and the Adaptation Network, Windblown Hill, Libertyville, Ill, April 19-20, 2007
- Numerous Monitoring and Evaluation presentations during 18 months at the Egypt Education Reform Program, Cairo, Egypt Nov 2004-May 2006
- Keynote presentation, “Preparing for a Changing Climate: Issues and Opportunities for Coastal Communities,” Municipal Workshop on Climate Change and Its Impact on Shoreline Communities, Guilford, Connecticut, November 19, 2004
- "Climate Change in Our Backyards," Congressional Briefing, organized by Environmental and Energy Study Institute, July 29, 2004, Russell Senate Office Building, Washington, DC.
- "Encouraging Stakeholder Participation in Environmental Programs," joint special lecture with Green College, Environmental Change Institute, and the Reuter's Programme at Oxford University, March 2004.
- "The Public Understanding of Science," Environmental Change Institute, Oxford University, February 2004
- "Sustainability: Environmental, Social, and Economic", Vermont College, Montpelier, VT, 2001.
- "Global Changes and Local Actions", Learning Sustainability Conference, Buffalo, NY, Oct 2001.
- What Can We Expect? The US and Climate Change” opening presentation in the series “In the Hot Seat: Local Governments and Global Warming Workshop.” For the Waquoit Bay National Estuarine Research Reserve, April 27, 2001.
- "Global Climate Change: The Basics” Vermont College, ADP, Montpelier, VT, April 2001
- The Potential Impacts of Climate Variability and Change for the US,” Buffalo Institute of Urban Ecology, Global Climate Change Roundtable, October 27, 2000.
- "Adapting to A Changing Climate,” Friends of Oceanography, University of Rhode Island, Graduate School of Oceanography, March 30, 2000.
- "Global Climate Change,” keynote presentation, New England Environmental Symposium, New England Board of Higher Education, Stowe, VT, July 22, 1999.
- "Understanding Risks in Environmental Contexts” and “Understanding Large Ecosystems: Global Climate Change,” Inaugural session The Halki Ecological Inst, Istanbul, Turkey, June 1999.
- "Global Climate Change: the National Assessment Process” – overviews and welcomes to: the NE Global Climate Council, Feb 1999, and to 2 stakeholder workshops for NERA, March 1999
- "Global Environmental Change: Modifying Human Contributions through Education,” New England Regional Climate Impacts Workshop, Durham, NH, Sept. 3-4, 1997
- "Global Environmental Change: Different Ways of Knowing," day-long Earth Day program, Daughters of the Holy Spirit, Parochial House, Putnam, CT, April 19, 1997
- "Global Change and Education: An Opportunity," Global Change Conference, Kean College, Union, NJ, March 8, 1997

- "Global Environmental Change," Tufts University Environmental Literacy Institute (TELI), 1996
- "Global Environmental Change," New England Board of Higher Education workshop for improving environmental education teaching, Brown University, April 20, 1996
- "Teaching the Human Dimensions," First Open Meeting Human Dimensions of Global Change, Raleigh-Durham, NC May 31-June 3, 1995.
- "Global Environmental Change," National Science Teachers' Association Annual Meeting, PA, 1995.
- "Global Change Education: The Evolving Federal Plan" and "The Science and Social Issues Related to Global Environmental Change: An Undergraduate Honors Colloquium" at the NATO special symposium entitled *Global Environmental Change in Science: Education and Training*, June 1994.
- "University Linkages to Environmental Policy-making", VIMS and Thomas Jefferson Policy Program Conference entitled *Environmental Policy and the Role of the University*, April 7-8, 1994, Williamsburg, VA. Theme paper author and panel member.
- "The Science and Social Issues of Global Change", UW, School of Ocg, Seattle, WA, 1994.
- National Academy of Sciences, Global Change Committee, "Project Earthlink," Washington, DC, 1993.
- "Global Change Education: The Evolving Federal Plan," MTS '92, Washington, DC, Oct, 1992.
- "Global Climate Change: The Human Dimensions," Lunchtime Ocg Series, GSO/URI, 1992.
- "Global Warming: What You Should Know," South Road School, Wakefield Rhode Island, for the Gifted and Talented Student Program, June 16, 1992
- "Global Change Education and Health," Roger Williams Park Zoo meeting for teachers, 1992.
- "The URI Ocean Technology Center," URI, Red Carpet Day for Industry, May 14, 1992.
- "Global Change Education: The Role of the Department of Agriculture," USDA, 1992.
- "Global Change Education: The Importance of Science," Association of Supervision and Curriculum Development, New Orleans, LA, April 4, 1992.
- "Global Environmental Change," Temple Emanuel, Providence, RI, March 28, 1992.
- "Global Change Education: The Evolving Federal Plan," AAAS meeting, Chicago, Feb, 1992.
- "Global Environmental Change: A Workshop," Elder Hostel, W. Alton Jones Campus, URI, 1991.
- "Global Change Education: The Evolving Federal Plan" November 1991, Briefing for Ambassador Ryan, US Chief Negotiator for UNCED, URI, November 1991.
- "Global Change Education: The Evolving Federal Plan," Briefing for the National Academy of Sciences Global Change Committee, Aerie House, VA, November 1991.
- "Global Environmental Change: A Teachers Workshop," Rhode Island Environmental Educators Association, Narragansett, RI, October 13, 1991.
- "Global Change Education: The Evolving Federal Plan," Association of Supervision and Curriculum Development, Alexandria, VA, October 4, 1991.
- "Global Change Education: The Evolving Federal Plan," USDA National Extension Service Advisory Committee, Coeure d'Alene, ID, September 11-13, 1991.
- "Global Change: An Earth Day Play," Narragansett Junior High School, Narragansett, RI, 1991.
- "New Technologies," Workshop on Scientific Shipboard Diving Safety, Washington, DC, Feb 1990.
- "From Low-Cost Vehicles to the Deepest Ocean - The Process," Woods Hole Oceanographic Institution. American Academy of Underwater Sciences Ninth Annual Scientific Diving Symposium, Sep 30, 1989.
- "Global Environmental Change," URI, Marine Advisory Council, 1988.
- "Low-Cost Manned Submersibles." University of Rhode Island and Woods Hole Institution. NECOR workshop, July 27-28, 1987.
- "ROVs and Submersibles for Ocean Research." Scripps Institution of Oceanography. 1987.
- "Sea the Future: Perspectives in Ocean Technology." Vancouver, Canada. "The Marine Research Community and Low-Cost ROVs and Submersibles: Needs and Prospects." 1986.
- Oceans '84 "Industry, Government, Education - Designs for the Future." Washington, DC.
- Rhode Island Runoff Symposium "Pollutants in Stormwater Runoff and Combined Sewer Overflows: Scientific, Engineering and Management Perspectives." Narragansett, Rhode Island, "Nutrient Inputs to Narragansett Bay by Runoff." 1981.

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OTHER

Member - American Society of Adaptation Professionals (ASAP)

Member - The Explorers Club

Advanced SCUBA diving and SCUBA-boat diving certification

Professional Ski Instructors of America–Level 1

Private pilot

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