

TCS 22 CONCURRENT SESSIONS SCHEDULE

Monday, June 14, 2010

Concurrent Session I

1:30 – 3:00 pm

Track	Coastal Environments	Climate Change	Coastal Economies	Changing Shorelines	Sociopolitical Adaptation	Changing Shorelines	Coastal Environments
Room	<i>Carolina Room (2nd floor)</i>	<i>Bellamy (3rd floor)</i>	<i>Dudley (3rd floor)</i>	<i>Skinner (3rd floor)</i>	<i>DeRosset (3rd floor)</i>	<i>Latimer (3rd floor)</i>	<i>McRae (3rd floor)</i>
Session Title	<i>GIS Applications</i>	Panel <i>Innovative Approaches for Effective Climate Change Adaptation in Coastal Communities</i>	<i>Waterfronts and Energy</i>	<i>Information Technologies</i>	<i>Coastal Communities</i>	Panel <i>Human Use Data for Marine Spatial Planning: What To Do, When Do We Need it?</i>	Panel <i>Integrated Coastal Management: Addressing and Adapting to Issues in the Central Philippines</i>
Session Moderator	<i>Thomas Allen East Carolina University</i>	<i>Tristan Peter-Contesse U.S. EPA Oceans and Coastal Protection Division</i>	<i>Tali MacArthur New Jersey Department of Environmental Protection</i>	<i>Bhaskar Subramanian Maryland Department of Natural Resources</i>	<i>Chris Ellis NOAA Coastal Services Center</i>	<i>Linwood Pendleton Duke University</i>	<i>Ethan Lucas University of Washington</i>
Presentation 1 1:30-1:50p	TO PAVE OR NOT TO PAVE: A SOCIAL LANDSCAPE ANALYSIS OF LAND USE DECISION MAKING IN THE TOWNS OF THE LAMPREY RIVER WATERSHED Erika Washburn	John Whitler U.S. EPA Office of Water	AQUACULTURE AND WORKING WATERFRONT INFRASTRUCTURE: A LOCAL PUBLIC POLICY DIALOG FOR A TIDEWATER VIRGINIA LOCALITY Lewis Lawrence Middle Peninsula Planning Commission	REACHING THE SHORE: PROVIDING SHORELINE PUBLIC ACCESS INFORMATION THROUGH THE WASHINGTON COASTAL ATLAS Deborah Purce Washington State Department of Ecology	THE ROLE OF THE PUBLIC TRUST DOCTRINE IN ADVANCING SOCIAL JUSTICE IN COASTAL COMMUNITIES Kristen Fletcher Coastal States Organization	Michael Orbach Duke University	Chelsa Combest-Friedman University of Washington School of Marine Affairs
Presentation 2 1:50-2:10p	CALIFORNIA OCEAN USES ATLAS: USING PARTICIPATORY TECHNOLOGY TO INCORPORATE TRADITIONAL KNOWLEDGE INTO OCEAN MANAGEMENT Nicholas Hayden NOAA	Amanda Babson U.S. EPA Office of Research and Development	SHIFTING TIDES: THE EBB AND FLOW OF TIDAL ENERGY IN PUGET SOUND Rebekah Padgett Washington State Department of Ecology	USING CANVIS TO VISUALIZE COASTAL ISSUES Hansje Gold-Krueck NOAA Coastal Services Center	GAUGING COMMUNITY VIEWS ABOUT OCEAN AND COASTAL ISSUES IN DOWNEAST MAINE Thomas Safford University of New Hampshire	Pete Wiley NOAA Coastal Services Center	Cirse Gonzalez University of Washington School of Marine Affairs

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Presentation 3 2:10-2:30p	LIMITED RESOURCES? LET THE HABITAT PRIORITY PLANNER HELP Bethney Ward NOAA Coastal Services Center	Lisa Beever Charlotte Harbor National Estuary Program	ENCOURAGING OFFSHORE WIND DEVELOPMENT AT THE STATE LEVEL: A CASE STUDY OF RHODE ISLAND Jennifer Harris Ecology and Environment, Inc.	Discussion	CHANGING PLACE, CHANGING SPACE: MARINE ENERGY AND COASTAL COMMUNITIES IN OREGON Flaxen Conway Oregon State University	Charlie Wahle National Marine Protected Areas Center	Kathryn Schleit University of Washington School of Marine Affairs
Presentation 4 2:30-2:50p	GEOVISUALIZATION STRATEGIES TO ANALYZE AND COMMUNICATE INUNDATION RISK FROM STORM SURGES Thomas Allen East Carolina University	Discussion	IMPACTS OF CLIMATE CHANGE ON SEAPORTS: A SURVEY OF KNOWLEDGE, PERCEPTIONS, AND PLANNING EFFORTS AMONG PORT ADMINISTRATORS Austin Becker Stanford University	Discussion	Discussion	Nicholas Napoli Massachusetts Ocean Partnership Science Program	Ethan Lucas University of Washington

TCS 22 CONCURRENT SESSIONS SCHEDULE

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Concurrent Session II

3:30 – 5:00 pm

Track	Coastal Environments	Climate Change	Coastal Economies	Changing Shorelines	Sociopolitical Adaptation	Changing Shorelines	Coastal Environments
Room	<i>Carolina Room (2nd floor)</i>	<i>Bellamy (3rd floor)</i>	<i>Dudley (3rd floor)</i>	<i>Skinner (3rd floor)</i>	<i>DeRosset (3rd floor)</i>	<i>Latimer (3rd floor)</i>	<i>McRae (3rd floor)</i>
Session Title	<i>Marine Protected Areas</i>	<i>Sea Level Rise</i>	<i>Tourism and Recreation</i>	<i>Shoreline Management</i>	Panel <i>Media and Messages: Sorting Signals and Sharing Stories</i>	Panel <i>Innovations on the Coasts: Coastal States' Role in Ocean Policy</i>	Panel <i>Developing Effective Tools: TMDLs and TMDL Restoration Plans to Tackle Widespread Impairment of Swimming and Shellfishing Waters</i>
Session Moderator	<i>Betsi Beem University of Sydney</i>	<i>Gabrielle Lyons Delaware Coastal Programs</i>	<i>Tom Murray Virginia Sea Grant</i>	<i>Heather Joesting Wake Forest University</i>	<i>Katie Mosher North Carolina Sea Grant</i>	<i>Kristen Fletcher Coastal States Organization</i>	<i>Tracy Skrabal North Carolina Coastal Federation</i>
Presentation 1 3:30-3:50p	THE INVENTORY OF US MARINE PROTECTED AREAS: BUILDING A NATIONAL SYSTEM OF MPA'S TO ENHANCE PLACE-BASED CONSERVATION Jordan Gass NOAA	CLIMATE CHANGE ADAPTATION AND PLANNING- AN EXAMPLE FROM KAILUA BEACH, OAHU, HAWAII Andrew Bohlander University of Hawaii	ASSESSING TOURIST DEMAND FOR TRADITIONAL COASTAL DEPENDENT BUSINESSES ON THE SOUTH CAROLINA COAST Laura Jodice Clemson University	COASTAL BARRIER ISLAND NETWORK (CBIN): MANAGEMENT STRATEGIES FOR THE FUTURE Heather Joesting Wake Forest University	Roy Kron Louisiana Sea Grant	Kristen Fletcher Coastal States Organization	Todd Miller North Carolina Coastal Federation
Presentation 2 3:50-4:10p	EXPERTISE AND POLICY CHANGE IN MANAGING THE GREAT BARRIER REEF MARINE PARK Betsi Beem University of Sydney	IMPROVING REPORTING OF UNCERTAINTIES IN SEA LEVEL RISE ASSESSMENTS Nathan Kettle University of South Carolina	ECONOMICS OF CO-MANAGING WATER QUALITY AND INVASIVE SPECIES FOR CALIFORNIA AND BAJA CALIFORNIA COASTAL BOATS Leigh Johnson University of California Sea Grant Extension	APPLYING HEDONIC PROPERTY MODELS IN THE PLANNING AND EVALUATION OF SHORELINE MANAGEMENT Paul Hindsley Eckerd College	Laura Leslie WUNC	Tony MacDonald Urban Coast Institute Monmouth University	Frank Tursi North Carolina Coastal Federation

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Presentation 3 4:10-4:30p	MARINE PROTECTED AREAS IN WASHINGTON STATE: RECOMMENDATIONS FOR FUTURE PLANNING Jamie Mooney University of Washington	SEA LEVEL RISE IN HAWAII, IMPLICATIONS FOR FUTURE SHORELINE LOCATIONS AND HAWAII COASTAL MANAGEMENT Andrew Bohlander Hawaii Sea Grant	NON-CONSUMPTIVE OCEAN RECREATION IN OREGON: DATA TO SUPPORT TERRITORIAL SEA PLANNING Pete Stauffer Surfrider Foundation	CHALLENGES IN USING SCIENCE BASED SHORELINE SETBACKS: EXAMPLES FROM SOUTH CAROLINA Matthew Slagel South Carolina Dept. of Health and Environmental Control	Gareth McGrath Wilmington Star-News	Scott Geis North Carolina Division of Coastal Management	Mike Giles North Carolina Coastal Federation
Presentation 4 4:30-4:50p	A COMMUNITY BASED FRAMEWORK FOR IDENTIFYING, ASSESSING AND EVALUATING ECOSYSTEM SERVICES ASSOCIATED WITH OREGON'S MARINE RESERVES Michael Harte Oregon Sea Grant	DEVELOPING A SEA LEVEL RISE ADAPTATION PLAN AND MARSH VULNERABILITY INDEX FOR THE STATE OF DELAWARE Gabrielle Lyons Delaware Coastal Programs	USING INTERNET SURVEYS TO ASSESS AND MONITOR PRIVATE COASTAL USES Linwood Pendleton Duke University	Discussion	Billy Warden Billy Warden Communications and Imagination Group	Tancred Miller North Carolina Division of Coastal Management	Philip Prete City of Wilmington, North Carolina

TCS 22 CONCURRENT SESSIONS SCHEDULE

Tuesday, June 15, 2010

Concurrent Session III

8:30 –10:00 am

Track	Coastal Environments	Climate Change	Sociopolitical Adaptation	Changing Shorelines	Sociopolitical Adaptation	Coastal Environments
Room	<i>Carolina Room (2nd floor)</i>	<i>Bellamy (3rd floor)</i>	<i>Dudley (3rd floor)</i>	<i>Skinner (3rd floor)</i>	<i>DeRosset (3rd floor)</i>	<i>McRae (3rd floor)</i>
Session Title	<i>Marine Spatial Planning</i>	<i>Climate Change Adaptation</i>	<i>Partnerships</i>	<i>Aquatic Resources</i>	Panel <i>Adaptation Through Coastal Land Use Management: The Context of Environmental Justice</i>	Panel <i>Rising Tides, Rising Challenges: North Carolina's Legacy of Coastal Protections at Risk</i>
Session Moderator	<i>Jeff Smith NOAA National Marine Fisheries Service</i>	<i>Linda Rimer U.S. EPA</i>	<i>Brenda Goeden SF Bay Conservation and Development Commission</i>	<i>Cynthia Cudaback Ocean and You</i>	<i>Ariana Marshall Florida A & M University NOAA ECSC</i>	<i>Andy Wood North Carolina Audubon</i>
Presentation 1 8:30-8:50a	MARINE SPATIAL PLANNING IN RHODE ISLAND: THE RI OCEAN SPECIAL AREA MANAGEMENT PLAN Tiffany Smythe University of Rhode Island	COASTAL CLIMATE ADAPTATION: BUILDING A COMMUNITY OF PRACTICE Stephanie Fauver Heidi Recksiek NOAA Coastal Services Center	NEW PARTNERSHIP MODELS FOR COASTAL PRIORITIES Paul Butler-Nalin Water Island Consultants	PHYSICAL CIRCULATION MEASUREMENTS IN PAMLICO SOUND USED TO LOCATE NEW OYSTER SANCTUARIES Cynthia Cudaback Ocean and You	Ariana Marshall Florida A & M University NOAA ECSC	Orrin Pilkey Duke University
Presentation 2 8:50-9:10a	LOOKING FOR SAFE HARBOR IN A CROWDED SEA: MARINE SPATIAL PLANNING, MARINE CONFLICT AND ITS AVOIDANCE Holly Campbell Oregon State University	COASTAL DEVELOPMENT PERMITTING IN THE ERA OF CLIMATE CHANGE Timothy Mulvaney Texas Wesleyan University School of Law	THE SOUTH ATLANTIC ALLIANCE: A SOUTHEASTERN U.S. STATE GOVERNORS INITIATIVE TO ADDRESS OPPORTUNITIES AND CHALLENGES M. Richard DeVoe South Carolina Sea Grant	ECONOMIC IMPACTS AND RECREATION VALUE OF THE NORTH CAROLINA CHARTER AND HEADBOAT RECREATIONAL FISHING FLEETS Christopher Dumas University of North Carolina-Wilmington	Reginald Hall Sapelo Island Cultural and Revitalization Society	Stanley Riggs East Carolina University

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Presentation 3 9:10-9:30a	VERTICALLY INTEGRATED GOVERNMENT IN COASTAL MARINE SPATIAL PLANNING Troy Hartley Virginia Institute of Marine Science	SEA LEVEL RISE AND COASTAL PUBLIC INFRASTRUCTURE: RISKS TO COASTAL SEWAGE COLLECTION SYSTEMS Lawrence Cahoon and Jefferson Flood University of North Carolina-Wilmington	THE WEST COAST ECOSYSTEM-BASED MANAGEMENT NETWORK: AN INNOVATIVE PARTNERSHIP AND THE REAL WORLD IMPLEMENTATION OF EBM John Hansen The West Coast EBM Network	MAP THE TAC: GEOGRAPHIC DEPICTION OF THE ECONOMIC EFFECTS OF FISHERY MANAGEMENT MEASURES Monica Galligan California State University Monterey Bay	Sherette Stokes Spelman College Environmental Science and Studies	Robert Young Western Carolina University
Presentation 4 9:30-9:50a	Discussion	THE RIGHT PEOPLE IN THE ROOM: COASTAL ADAPTATION TO CLIMATE CHANGE IN CALIFORNIA Adina Abeles Stanford University	Discussion	FORAGING ECOLOGY OF HUMPBACK WHALES (MEGAPTERA NOVAENGLIAE) IN THE WESTERN ANTARCTIC PENINSULA Reny Tyson Duke University	Marcia Allen Owens Florida A & M University NOAA ECSC	Discussion

TCS 22 CONCURRENT SESSIONS SCHEDULE

Tuesday, June 15, 2010

Concurrent Session IV

10:30 am –12:00 pm

Track	Coastal Environments	Climate Change	Climate Change	Changing Shorelines	Sociopolitical Adaptation	Changing Shorelines	Coastal Environments
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Session Title	<i>Coastal Habitats</i>	Panel <i>National Perspectives on Climate Change Adaptation: Efforts in Diverse Coastal Regions of the U.S.</i>	<i>Climate Change and Coastal Hazards</i>	<i>Coastal Erosion</i>	<i>Communication and Education</i>	Panel <i>U.S. EPA Using Modeling and Ecosystem Services to Enhance Coastal Decision Making</i>	Panel <i>Coastal Wind: Energy for North Carolina's Future</i>
Session Moderator	<i>Hillary Huffer East Carolina University</i>	<i>Andrew Bohlander University of Hawaii</i>	<i>Daniella Hirschfeld Massachusetts Coastal Zone Management</i>	<i>Craig Landry East Carolina University</i>	<i>Jeffery Adkins NOAA Coastal Services Center</i>	<i>Deborah Mangis U.S. EPA Office of Research and Development</i>	<i>Lisa Schiavinato North Carolina Sea Grant</i>
Presentation 1 10:30-10:50a	WETLANDS AND COASTAL WATER QUALITY: SHOULD WETLAND SIZE MATTER? Monique Myers California Sea Grant	Andrew Bohlander University of Hawaii	AN INITIAL ASSESSMENT OF COASTAL HAZARDS AS A RESULT OF SEA LEVEL RISE ALONG THE CALIFORNIA COAST David Revell Philip Williams and Associates	COASTAL EROSION AS A NATURAL RESOURCE MANAGEMENT PROBLEM: AN ECONOMIC PERSPECTIVE Craig Landry East Carolina University	HD.GOV: AN INTERAGENCY WEB PORTAL FOCUSED ON THE HUMAN DIMENSIONS OF NATURAL RESOURCE MANAGEMENT Jeffery Adkins NOAA Coastal Services Center	Deborah Mangis U.S. EPA Office of Research and Development	Charles "Pete" Peterson University of North Carolina Institute for Marine Science
Presentation 2 10:50p-11:10a	INCOME, INEQUALITY, AND BIODIVERSITY AND WILDLIFE HABITAT ASSESSMENT IN THE CAMA COUNTIES Hillary Huffer East Carolina University	Pat Corcoran Oregon Sea Grant	AN INTEGRATED APPROACH FOR EVALUATING COASTAL VULNERABILITY IN A CHANGING CLIMATE Erica Harris Oregon State University	SHOAL MANIPULATION AS AN EFFECTIVE SOLUTION TO LOCALIZED BEACH EROSION NEAR INLETS: EXAMPLES FROM THREE SOUTH CAROLINA BEACHES Steven Traynum Coastal Science and Engineering	THE DEVELOPMENT OF THE SOUTH CAROLINA COASTAL INFORMATION NETWORK AND PORTAL SITE April Turner South Carolina Sea Grant	Betsy Smith U.S. EPA Office of Research and Development	Lisa Schiavinato North Carolina Sea Grant

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Presentation 3 11:10p-11:30a	HISTORICAL RECONSTRUCTION REVEALS RECOVERY IN HAWAIIAN CORAL REEFS John Kittinger University of Hawaii Manoa	Esperanza Stancioff University of Maine Cooperative Extension Maine Sea Grant	THE STORMSMART COASTS NETWORK: CONNECTING COASTAL DECISION MAKERS TO RESOURCES AND EACH OTHER Wesley Shaw Blue Urchin Consulting	Discussion	CROSS CULTURE EDUCATION AS CRITICAL TO PROFESSIONAL DEVELOPMENT Patrick Christie University of Washington	Marc Russell U.S. EPA Office of Research and Development	Harvey Seim University of North Carolina-Chapel Hill
Presentation 4 11:30-11:50a	Discussion	Spencer Rogers North Carolina Sea Grant	STORMSMART COASTS IN ACTION: TWO CASE STUDIES OF LOCAL LEVEL CLIMATE CHANGE ADAPTATION Daniella Hirschfeld Massachusetts Coastal Zone Management	Discussion	IMPROVING INFORMATION DIFFUSION IN DEVELOPING COUNTRY ECOSYSTEM BASED MANAGEMENT L. Katrina ole-Moi Yoi University of Washington	Lisa Wainger University of Maryland	David S. Miller Duke Energy

TCS 22 CONCURRENT SESSIONS SCHEDULE

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Concurrent Session V 1:30 –3:00 pm

Track	Coastal Environments	Climate Change	Climate Change	Changing Shorelines	Coastal Environments	Changing Shorelines	Coastal Environments
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Session Title	<i>Coastal Management</i>	<i>Climate Change Adaptation</i>	<i>Climate Change and Education</i>	<i>Marine Habitats</i>	Panel <i>Developing a National Assessment on Coastal and Ocean Resources: Finding the Right Scale</i>	Panel <i>Oceans and Human Health: Sentinel Habitats and Sentinel Species</i>	Panel <i>Managing the Coastal Environment: Innovative Collaborations at the State and Local Level</i>
Session Moderator	<i>C.A. McCoy South Carolina Sea Grant</i>	<i>Robert Cutting University of North Carolina-Wilmington</i>	<i>Christopher Dumas University of North Carolina-Wilmington</i>	<i>Kristen Honey Stanford University</i>	<i>Ralph Cantral NOAA Office of Ocean and Coastal Resource Management</i>	<i>Susan Lovelace Hollings Marine Laboratory</i>	<i>Mark Imperial University of North Carolina-Wilmington</i>
Presentation 1 1:30-1:50p	POLICY ANALYSIS OF SHORELINE RESTORATION OPTIONS ON PRIVATE SHORELINES OF PUGET SOUND Joe Burcar State of Washington	PREPARING FOR CLIMATE CHANGE IMPACTS TO STATE OWNED AQUATIC LANDS Angie Fredrickson Washington Department of Natural Resources	TOWARDS RESILIENCE TO CLIMATE CHANGE: CONDUCTING COMMUNITY RESEARCH & ENGAGEMENT Joseph Cone Oregon Sea Grant	ADAPTIVE SAMPLING FOR HOPKINS MARINE LIFE OBSERVATORY IN CALIFORNIA Kristen Honey Stanford University	Ralph Cantral NOAA Office of Ocean and Coastal Resource Management	Denise Sanger South Carolina Sea Grant	Philip Prete City of Wilmington, North Carolina
Presentation 2 1:50-2:10p	SHORELINE CHANGE AND BEACHFRONT MANAGEMENT IN NORTHEAST SOUTH CAROLINA C.A. McCoy South Carolina Sea Grant	CAN BUILDING CODES KEEP PACE WITH CLIMATE CHANGE? FINDING WAYS TO SPEED UP MITIGATION AND ADAPTATION Robert Thompson University of Rhode Island	NORTH CAROLINA COASTAL HOMEOWNER KNOWLEDGE AND ATTITUDES ABOUT CLIMATE CHANGE AND SEA LEVEL RISE RISKS Christopher Dumas University of North Carolina-Wilmington	PROTECTING A THREATENED COASTAL FISH SPECIES THROUGH COLLABORATIVE REGIONAL RESEARCH AND PLANNING Katherine Mills Great Bay NER Reserve	Nicole Saladin North Inlet-Winyah Bay National Estuarine Research Reserve	Anne Blair Hollings Marine Laboratory	Shawn Ralston New Hanover County, North Carolina

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Session Moderator	<i>C.A. McCoy South Carolina Sea Grant</i>	<i>Robert Cutting University of North Carolina-Wilmington</i>	<i>Christopher Dumas University of North Carolina-Wilmington</i>	<i>Kristen Honey Stanford University</i>	<i>Ralph Cantral NOAA Office of Ocean and Coastal Resource Management</i>	<i>Susan Lovelace Hollings Marine Laboratory</i>	<i>Mark Imperial University of North Carolina-Wilmington</i>
Presentation 3 2:10-2:30p	CONCERTED ACTION FOR SUCCESSFUL COASTAL COMMUNITIES IN TANZANIA Donald Robadue University of Rhode Island	A SEA CHANGE: USING THE COMMON LAW TO PROTECT COASTAL PROPERTY FROM EFFECTS OF GREENHOUSE GASES Robert Cutting University of North Carolina-Wilmington	ASSESSING SOCIETAL VULNERABILITY OF U.S. PACIFIC NORTHWEST COMMUNITIES TO CLIMATE CHANGE ENHANCED COASTAL HAZARDS Heather Baron Oregon State University	ANALYZING POLICY DEVELOPMENT IN EVERGLADES RESTORATION: CASE STUDY USING HABERMAS' CRITICAL THEORY Claire Connolly Knox Florida State University	Susan White NOAA National Centers for Coastal Ocean Science	Thomas Greig Center for Coastal Environmental Health and Biomolecular Research	Amber Morris NOAA
Presentation 4 2:30-2:50p	AN EVALUATION OF COASTAL EROSION MITIGATION ALTERNATIVES: PROTECTING A BEACH FOR FUTURE GENERATIONS David Revell Philip Williams and Associates	ADAPTATION OF COASTAL COMMUNITIES IN THE PHILIPPINES TO THE IMPACTS OF CLIMATE CHANGE Maria Rebecca Campos University of the Philippines Open University	Discussion	Discussion	Braxton Davis South Carolina Department of Health and Environmental Control	Susan Lovelace Hollings Marine Laboratory	Discussion

TCS 22 CONCURRENT SESSIONS SCHEDULE

Tuesday, June 15, 2010

Concurrent Session VI

3:30 –5:00 pm

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Session Title	<i>Coastal Management</i>	<i>Implications of Climate Change</i>	<i>Sea Level Rise</i>	<i>Shoreline Protection</i>	<i>Marine Conservation</i>	Panel <i>Marine Spatial Planning Approaches at the State Level: Similarities and Differences Between MSP Efforts Across the U.S.</i>
Session Moderator	<i>Patrick Lawrence University of Toledo</i>	<i>Lynn Leonard University of North Carolina-Wilmington</i>	<i>Robert Young Western Carolina University</i>	<i>John Fear North Carolina Coastal Reserve</i>	<i>John Kittinger University of Hawaii</i>	<i>Brian Smith NOAA Coastal Services Center</i>
Presentation 1 3:30-3:50p	THE PROBLEM OF ECOSYSTEM BASED MANAGEMENT IN THE COASTAL CONTEXT: COLLABORATION, COMMUNICATION NETWORKS, AND MENTAL MODELS Tiffany Smythe University of Rhode Island	CLIMATE CHANGE IMPLICATIONS FOR NORTH CAROLINA: THE ROLE OF COASTAL AND ESTUARINE OBSERVING SYSTEMS Jennifer Dorton University of North Carolina-Wilmington	GUIDING THE RESPONSE OF BARRIER ISLAND COMMUNITIES TO SEA LEVEL RISE: ADAPT MEANS RELOCATE! Robert Young Western Carolina University	DYNAMIC LIVING SHORELINE DESIGN ON THE CORSICA RIVER Keith Underwood Underwood Associates	MULTIPLE AGENCY MANAGEMENT, MARINE PROTECTED AREAS, AND MONUMENTAL SURPRISE IN THE NORTHWESTERN HAWAIIAN ISLANDS Anne Dowling Eastern Carolina University	Bob Bailey Oregon Coastal Management Program
Presentation 2 3:50-4:10p	SAN FRANCISCO BAY REGIONAL SEDIMENT MANAGEMENT STRATEGY DEVELOPMENT Brenda Goeden SF Bay Conservation and Development Com'n	WHAT IS COASTAL CLIMATE? Michael Kruk STG, Inc.	BUILDING COAST SMART COMMUNITIES: AN INTERACTIVE AND COLLABORATIVE SUMMIT TARGETING SEA LEVEL RISE AND STORM SURGE ADAPTATION Gwen Shaughnessy	DEWATERING SHORELINES Dennison Kidder Breese Coastal Coanda Research	NON-GOVERNMENTAL ORGANIZATIONS AND MULTI-SITED MARINE CONSERVATION SCIENCE: A CASE STUDY Jesse Guite Hastings Duke University Marine Laboratory	Scott Geis North Carolina Division of Coastal Management

TCS 22 CONCURRENT SESSIONS SCHEDULE

Tuesday June 15, 2010

Concurrent Session VI

3:30 –5:00 pm

Track	Coastal Environments	Climate Change	Climate Change	Changing Shorelines	Sociopolitical Adaptation	Changing Shorelines
Room	Carolina Room (2 nd floor)	Bellamy (3 rd floor)	Dudley (3 rd floor)	Skinner (3 rd floor)	DeRosset (3 rd floor)	Latimer (3 rd floor)
Session Title	<i>Coastal Management</i>	<i>Implications of Climate Change</i>	<i>Sea Level Rise</i>	<i>Shoreline Protection</i>	<i>Marine Conservation</i>	Panel <i>Marine Spatial Planning Approaches at the State Level: Similarities and Differences Between MSP Efforts Across the U.S.</i>
Session Moderator	<i>Patrick Lawrence University of Toledo</i>	<i>Lynn Leonard University of North Carolina-Wilmington</i>	<i>Robert Young Western Carolina University</i>	<i>John Fear North Carolina Coastal Reserve</i>	<i>John Kittinger University of Hawaii</i>	<i>Brian Smith NOAA Coastal Services Center</i>
Presentation 3 4:10-4:30p	ENCOURAGING SUSTAINABLE DEVELOPMENT IN A COASTAL COMMUNITY Shawn Ralston New Hanover County, North Carolina	PREDICTING THE EFFECTS OF CLIMATE CHANGE ON SEA TURTLE NESTING HABITAT IN FLORIDA Matthew Poti Duke University	BUILDING A SUSTAINABLE COMMUNITY OF COASTAL LEADERS TO DEAL WITH SEA LEVEL RISE AND INUNDATION Mary Culver NOAA Coastal Services Center	SUSTAINABLE ESTUARINE SHORELINE STABILIZATION: RESEARCH, EDUCATION AND PUBLIC POLICY IN NORTH CAROLINA John Fear North Carolina Coastal Reserve	MINIMIZING PRIVATE VESSEL INTERACTION WITH ENDANGERED SOUTHERN RESIDENT KILLER WHALES IN THE SALISH SEA Barbara Lyon Bennett University of Washington	Matthew Warner Michigan Coastal Management Program
Presentation 4 4:30-4:50p	COASTAL MANAGEMENT MEASURES FOR THE LOWER MAUMEE WATERSHED, LAKE ERIE Patrick Lawrence University of Toledo	MOVING PAST THE STATEMENT “LOCAL GOVERNMENT SHOULD DO THE RIGHT THING” – Lewis Lawrence Middle Peninsula Planning Commission	IDENTIFYING COASTAL HABITATS FOR CONSERVATION UNDER SEA LEVEL RISE SCENARIOS Bethney Ward NOAA Coastal Services Center	IMPLEMENTING THE ISLAND OF KAUAI’S PROGRESSIVE SHORELINE SETBACK AND COASTAL PROTECTION ORDINANCE James O’Connell Hawaii Sea Grant	Discussion	John Webber Massachusetts Department of Energy and Environmental Affairs

TCS 22 CONCURRENT SESSIONS SCHEDULE

Wednesday, June 16, 2010 Concurrent Session VII 1:30 –3:00 pm

Track	Coastal Environments	Climate Change	Sociopolitical Adaptation	Changing Shorelines	Coastal Environments	Coastal Environments	Changing Shorelines
Room	Carolina Room (2 nd floor)	Bellamy (3 rd floor)	Dudley (3 rd floor)	Skinner (3 rd floor)	DeRosset (3 rd floor)	Latimer (3 rd floor)	McRae (3 rd floor)
Session Title	<i>Coastal Planning</i>	<i>Climate Change Adaptation</i>	<i>Coastal Hazards</i>	<i>Coastal Issues</i>	Panel <i>Headwaters to EEZ: Is Ecosystem Based Management Possible?</i>	Panel <i>Smart Growth at the Water's Edge: Waterfront and Coastal Community Smart Growth</i>	Panel <i>Supporting Regional Coastal and Ocean Managers: Linking Observing Tools and Capabilities to the Needs of Managers and Users in the Southeast Region</i>
Session Moderator	<i>Harry Stone Battelle Memorial Institute</i>	<i>Philip Prete City of Wilmington, North Carolina</i>	<i>Chris Ellis NOAA Coastal Services Center</i>	<i>Sally Kirkpatrick Griffith University</i>	<i>Robbin Peach University of Massachusetts-Boston</i>	<i>Randy Schneider NOAA</i>	<i>Debra Hernandez Southeast Coastal Ocean Observing Regional Association</i>
Presentation 1 1:30-1:50p	LONG TERM PLANNING FOR COASTAL PASQUOTANK COUNTY-ELIZABETH CITY, NORTH CAROLINA Deanna Swain East Carolina University	HOW CAN WE HELP DEVELOPING COASTAL COUNTRIES IMPROVE THE CHANCES FOR SUCCESS IN ADAPTING TO CLIMATE CHANGE? Donald Robadue University of Rhode Island	DECIDING TO EVACUATE: GATHERING THE INFORMATION TO MAKE THIS IMPORTANT DECISION Kenneth Wilson East Carolina University	DECISION SUPPORT SYSTEMS OPTIMISING EFFLUENT RELEASE IN A SUB TROPICAL ESTUARINE ENVIRONMENT – AN AUSTRALIAN CASE STUDY Sally Kirkpatrick Griffith University	Robbin Peach University of Massachusetts-Boston	Kenneth Walker NOAA Office of Ocean and Coastal Resource Management	Debra Hernandez Southeast Coastal Ocean Observing Regional Association

TCS 22 CONCURRENT SESSIONS SCHEDULE

Wednesday, June 16, 2010 Concurrent Session VII 1:30 –3:00 pm

Track	Coastal Environments	Climate Change	Sociopolitical Adaptation	Changing Shorelines	Coastal Environments	Coastal Environments	Changing Shorelines
Room	Carolina Room (2 nd floor)	Bellamy (3 rd floor)	Dudley (3 rd floor)	Skinner (3 rd floor)	DeRosset (3 rd floor)	Latimer (3 rd floor)	McRae (3 rd floor)
Session Title	<i>Coastal Planning</i>	<i>Climate Change Adaptation</i>	<i>Coastal Hazards</i>	<i>Coastal Issues</i>	Panel <i>Headwaters to EEZ: Is Ecosystem Based Management Possible?</i>	Panel <i>Smart Growth at the Water's Edge: Waterfront and Coastal Community Smart Growth</i>	Panel <i>Supporting Regional Coastal and Ocean Managers: Linking Observing Tools and Capabilities to the Needs of Managers and Users in the Southeast Region</i>
Session Moderator	<i>Harry Stone Battelle Memorial Institute</i>	<i>Philip Prete City of Wilmington, North Carolina</i>	<i>Chris Ellis NOAA Coastal Services Center</i>	<i>Sally Kirkpatrick Griffith University</i>	<i>Robbin Peach University of Massachusetts-Boston</i>	<i>Randy Schneider NOAA</i>	<i>Debra Hernandez Southeast Coastal Ocean Observing Regional Association</i>
Presentation 2 1:50-2:10p	SOUTH CAROLINA'S SHORELINE CHANGE ADVISORY COMMITTEE Braxton Davis South Carolina Department of Health and Environmental Control	USING CLIMATE EXTENSION TO ASSIST COASTAL DECISION-MAKERS WITH CLIMATE ADAPTATION: THE SEA GRANT EXPERIENCE Jessica Whitehead South Carolina and North Carolina Sea Grant	COASTAL COMMUNITY HAZARD MITIGATION AND COMMUNITY RATING SYSTEM OF NFIP Jingyuan Li East Carolina University	DESIGNING THE LAST POTENTIAL RETROFIT SITE – REFINING THE LID PERMIT PROCESS Hunter Freeman Withers & Ravenel, Inc.	Michael Orbach Duke University	Kate Parks South Carolina Coastal Conservation League	Susan Libes Coastal Carolina University

TCS 22 CONCURRENT SESSIONS SCHEDULE

Wednesday, June 16, 2010 Concurrent Session VII 1:30 –3:00 pm

Track	Coastal Environments	Climate Change	Sociopolitical Adaptation	Changing Shorelines	Coastal Environments	Coastal Environments	Changing Shorelines
Room	Carolina Room (2 nd floor)	Bellamy (3 rd floor)	Dudley (3 rd floor)	Skinner (3 rd floor)	DeRosset (3 rd floor)	Latimer (3 rd floor)	McRae (3 rd floor)
Session Title	<i>Coastal Planning</i>	<i>Climate Change Adaptation</i>	<i>Coastal Hazards</i>	<i>Coastal Issues</i>	Panel <i>Headwaters to EEZ: Is Ecosystem Based Management Possible?</i>	Panel <i>Smart Growth at the Water's Edge: Waterfront and Coastal Community Smart Growth</i>	Panel <i>Supporting Regional Coastal and Ocean Managers: Linking Observing Tools and Capabilities to the Needs of Managers and Users in the Southeast Region</i>
Session Moderator	<i>Harry Stone Battelle Memorial Institute</i>	<i>Philip Prete City of Wilmington, North Carolina</i>	<i>Chris Ellis NOAA Coastal Services Center</i>	<i>Sally Kirkpatrick Griffith University</i>	<i>Robbin Peach University of Massachusetts-Boston</i>	<i>Randy Schneider NOAA</i>	<i>Debra Hernandez Southeast Coastal Ocean Observing Regional Association</i>
Presentation 3 2:10-2:30p	COASTAL RESOURCE PLANNING SYSTEM: INTEGRATING EVALUATION OF ECOLOGICAL INTEGRITY AND ECOSYSTEM SERVICES VALUATION Harry Stone Battelle Memorial Institute	COASTAL BROWNFIELDS AND SEA LEVEL RISE DUE TO CLIMATE CHANGE: ADDRESSING POTENTIAL THREATS TO THE COASTAL ZONE FROM TOXIC WASTE PLUMES AND SALTWATER INTRUSION Aaron Barnett University of Washington	THE BOUNDS OF COMMUNICATION: A SOCIAL NETWORK ANALYSIS OF THE GULF OF MEXICO COASTAL STORMS PROGRAM Chris Ellis NOAA Coastal Services Center	MEASURING SOCIAL-ECOLOGICAL RESILIENCE FOR COASTAL COMMUNITIES Maria Dillard University of Pittsburgh	Tony MacDonald Urban Coast Institute, Monmouth University	Roy Pender Tidewater Developers, LLC	Harvey Seim University of North Carolina-Chapel Hill

TCS 22 CONCURRENT SESSIONS SCHEDULE

Wednesday June 16, 2010 Concurrent Session VII 1:30 –3:00 pm

Track	Coastal Environments	Climate Change	Sociopolitical Adaptation	Changing Shorelines	Coastal Environments	Coastal Environments	Changing Shorelines
Room	Carolina Room (2 nd floor)	Bellamy (3 rd floor)	Dudley (3 rd floor)	Skinner (3 rd floor)	DeRosset (3 rd floor)	Latimer (3 rd floor)	McRae (3 rd floor)
Session Title	<i>Coastal Planning</i>	<i>Climate Change Adaptation</i>	<i>Coastal Hazards</i>	<i>Coastal Issues</i>	Panel <i>Headwaters to EEZ: Is Ecosystem Based Management Possible?</i>	Panel <i>Smart Growth at the Water's Edge: Waterfront and Coastal Community Smart Growth</i>	Panel <i>Supporting Regional Coastal and Ocean Managers: Linking Observing Tools and Capabilities to the Needs of Managers and Users in the Southeast Region</i>
Session Moderator	<i>Harry Stone Battelle Memorial Institute</i>	<i>Philip Prete City of Wilmington, North Carolina</i>	<i>Chris Ellis NOAA Coastal Services Center</i>	<i>Sally Kirkpatrick Griffith University</i>	<i>Robbin Peach University of Massachusetts Boston</i>	<i>Randy Schneider NOAA</i>	<i>Debra Hernandez Southeast Coastal Ocean Observing Regional Association</i>
Presentation 4 2:30-2:50p	Discussion	Discussion	Discussion	COLLISION AT THE END OF THE LINE: SHIPWRECKS AND COMMERCIAL FISHING Joyce Steinmetz East Carolina University	Discussion	Discussion	Discussion

TCS 22 CONCURRENT SESSIONS SCHEDULE

Wednesday, June 16, 2010 Concurrent Session VIII 3:30 –5:00 pm

Track	Coastal Environments	Climate Change	Coastal Environments	Changing Shorelines	Sociopolitical Adaptation	Sociopolitical Adaptation	Changing Shorelines
Room	Carolina Room (2 nd floor)	Bellamy (3 rd floor)	Dudley (3 rd floor)	Skinner (3 rd floor)	DeRosset (3 rd floor)	Latimer (3 rd floor)	McRae (3 rd floor)
Session Title	<i>Water Quality</i>	<i>Climate Change Impacts</i>	<i>Coastal Hazards</i>	<i>Coastal Management</i>	<i>Human Uses and Values</i>	<i>Coastal Challenges</i>	<i>Coastal Habitats</i>
Session Moderator	<i>Geno Olmi NOAA Southeast and Caribbean Regional Team</i>	<i>Susan Lovelace Hollings Marine Laboratory</i>	<i>Philip Berke University of North Carolina-Chapel Hill</i>	<i>Jeff Benoit Restore America's Estuaries</i>	<i>James O'Connell Hawaii Sea Grant</i>	<i>Kristen Fletcher Coastal States Organization</i>	<i>Gregory Meyer East Carolina University</i>
Presentation 1 3:30-3:50p	LOCAL SOLUTIONS TO LOCAL PROBLEMS: A STORMWATER EDUCATION COLLABORATIVE Karen Fuss Coastal Carolina University	INTEGRATING CLIMATE CHANGE IMPACTS TO IMPROVE UNDERSTANDING OF COASTAL CLIMATE CHANGE: HEAVY RAINS, STRONG WINDS, AND HIGH SEAS IN COASTAL HAWAII, ALASKA, AND THE PACIFIC NORTHWEST David Levinson NOAA National Climatic Data Center	STATE HAZARD MITIGATION PLAN EVALUATION AND MODEL PRACTICES: ANALYSIS OF FEDERAL MITIGATION POLICY IN THE U.S Philip Berke University of North Carolina-Chapel Hill	APPLYING PLANNING THEORY TO COASTAL RESOURCE MANAGEMENT Daniel Marcucci East Carolina University	COMPARISON OF RESIDENT AND TOURIST PREFERENCES FOR PUBLIC BEACH ACCESS Chi-Ok Oh Michigan State University	THE THREE RULES FOR UNDERSTANDING COASTAL ISSUES, EXPLAINED AND ILLUSTRATED Lauriston King East Carolina University	HABITAT ENHANCING MARINE STRUCTURES: CREATING HABITAT IN URBAN WATERS Karen Dyson University of Washington
Presentation 2 3:50-4:10p	WATERSHED MONITORING AND TMDL MODELING TECHNIQUES TO ASSESS BACTERIAL LOADING IN ESTUARINE ENVIRONMENTS Nancy White UNC Coastal Studies Institute	INVESTIGATING CHANGES IN GLOBAL TROPICAL CYCLONE STORM FREQUENCY AND INTENSITY Paula Hennon STG Inc.	COASTAL HOMEOWNER ADAPTATION TO CHANGING HURRICANE RISK Christopher Dumas University of North Carolina-Wilmington	SOUTH ATLANTIC REGIONAL RESEARCH PLAN: A REGIONAL RESEARCH FRAMEWORK Christine Laporte University of Georgia	USING SCIENCE TO INFORM A POLITICALLY SENSITIVE ISSUE: THE CASE OF OFFSHORE OIL AND GAS PLATFORM DECOMMISSIONING IN CALIFORNIA Diana Pietri California Ocean Science Trust	STRATEGIC RETREAT AS AN INNOVATIVE, PROACTIVE AND EQUITABLE COASTAL ENVIRONMENTAL MANAGEMENT STRATEGY Andrew Coburn Western Carolina University	ENGAGING A COMMUNITY IN THE RESTORATION OF AN ESTUARY Karen Forget Lynnhaven River NOW

TCS 22 CONCURRENT SESSIONS SCHEDULE

Wednesday June 16, 2010 Concurrent Session VIII 3:30 –5:00 pm

Track	Coastal Environments	Climate Change	Coastal Environments	Changing Shorelines	Sociopolitical Adaptation	Sociopolitical	Changing Shorelines
Room	Carolina Room (2 nd floor)	Bellamy (3 rd floor)	Dudley (3 rd floor)	Skinner (3 rd floor)	DeRosset (3 rd floor)	Latimer (3 rd floor)	McRae (3 rd floor)
Session Title	<i>Water Quality</i>	<i>Climate Change Impacts</i>	<i>Coastal Hazards</i>	<i>Coastal Management</i>	<i>Human Uses and Values</i>	<i>Coastal Challenges</i>	<i>Coastal Habitats</i>
Session Moderator	<i>Geno Olmi NOAA Southeast and Caribbean Regional Team</i>	<i>Susan Lovelace Hollings Marine Laboratory</i>	<i>Philip Berke University of North Carolina - Chapel Hill</i>	<i>Jeff Benoit Restore America's Estuaries</i>	<i>James O'Connell Hawaii Sea Grant</i>	<i>Kristen Fletcher Coastal States Organization</i>	<i>Gregory Meyer East Carolina University</i>
Presentation 3 4:10-4:30p	PROMOTING INNOVATIVE STORMWATER SOLUTIONS FOR COASTAL PLAIN COMMUNITIES Sadie Drescher Center for Watershed Protection, Inc.	STORMWATER RUNOFF-MODELING IMPACTS OF URBANIZATION AND CLIMATE CHANGE Anne Blair NOAA National Centers for Coastal Ocean Science	PLANNING FOR POST-STORM RESILIENCE Patricia Bowie New York State Department of State	POLICY PRESCRIPTIONS FOR INCREASING RESILIENCE OF THE LAND SEA INTERFACE UNDER RISING SEAS Adam Ayers University of Hawaii	ENFORCEMENT OF ASSOCIATED PROTECTED MEASURES IN PARTICULARLY SENSITIVE SEA AREAS Song Guan University of Delaware	LONG BAY HYPOXIA STUDY: A COLLABORATIVE AND MULTIDISCIPLINARY APPROACH Denise Sanger South Carolina Sea Grant	FISH NURSERY FUNCTION OF OCEAN SURF ZONE HABITAT: RESPONSE TO A HUMAN DISTURBANCE GRADIENT Tom Lankford University of North Carolina Wilmington
Presentation 4 4:30-4:50p	URBAN RUNOFF AND SEPTIC LEACHATE CAUSE WATER POLLUTION IN A NEARBY COASTAL NATIONAL PARK Michael Mallin University of North Carolina-Wilmington	Discussion	ADAPTING TO CLIMATE CHANGE: COMBINING ECONOMICS AND GEOMORPHOLOGY IN COASTAL POLICY Sathya Gopalakrishnan Duke University	REFORMING MARINE AND COASTAL SPATIAL MANAGEMENT IN KOREA: INTRODUCTION OF ZONING MECHANISM AND TARGET BASED NATURAL SHORELINE MANAGEMENT PROGRAM Jungho Nam Korea Maritime Institute	VISITOR ATTITUDES AND PREFERENCES TOWARD FERAL HORSE MANAGEMENT AT THE RACHEL CARSON NATIONAL ESTUARINE Hans Vogelsong East Carolina University	A SOCIAL NETWORK APPROACH TO UNDERSTAND THE SOCIAL STRUCTURE OF NATURAL RESOURCE USE AND ITS SOCIO-ECONOMIC DRIVERS Tracy Van Holt East Carolina University	THE EFFECTS OF RESIDENTIAL DEVELOPMENT AND ASSOCIATED WATER POLLUTION ON FISH NURSERY FUNCTION OF SALT WATER MARSH TIDAL CREEKS Janie McAuliffe University of North Carolina-Wilmington