

NAME	HOST INSTITUTE	CONSORTIUM MEMBER(S)	RESEARCH THEMES	DIRECTOR
<b>Cooperative Institutes Managed by NOAA Line Office National Environmental Satellite, Data and Information Service (NESDIS)</b>				
Cooperative Institute for Climate and Satellites (CICS-M) http://essic.umd.edu/cics	University of Maryland College Park	North Carolina State University University of California-Irvine Colorado State University Howard University University of Miami Duke University University of North Carolina-Chapel Hill Princeton University City University of New York Columbia University Oregon State University	<ul style="list-style-type: none"> <li>Climate and Satellite Research and Applications</li> <li>Climate and Satellite Observations and Monitoring</li> <li>Climate Research and Modeling</li> </ul>	Fernando Miralles-Wilhelm fwilhelm@umd.edu
Cooperative Institute for Meteorological Satellite Studies (CIMSS) http://cimss.ssec.wisc.wsu	University of Wisconsin-Madison		<ul style="list-style-type: none"> <li>Weather Nowcasting and Forecasting</li> <li>Clouds and Radiation</li> <li>Global Hydrological Cycle</li> <li>Environmental Trends</li> <li>Climate Outreach, Education, and Training</li> <li>Outreach, Education, and Training</li> </ul>	Paul Menzel Paul.Menzel@ssec.wisc.edu
<b>Cooperative Institutes Managed by NOAA Line Office National Marine Fisheries Services (NMFS)</b>				
Cooperative Institute for the Pacific Island Region (CIPIR) www.soest.hawaii.edu/JIMAR	University of Hawaii		<ul style="list-style-type: none"> <li>Ecosystem Forecasting</li> <li>Ecosystem Monitoring</li> <li>Ecosystem - Base Management</li> <li>Protection and Restoration of Resources</li> <li>Equatorial Oceanography</li> <li>Climate Research and Impacts</li> <li>Tropical Meteorology</li> <li>Tsunamis and Other Long - period Ocean Waves</li> </ul>	Douglas Luther (effective Sept 1 2017) dluther@soest.hawaii.edu
<b>Cooperative Institutes Managed by NOAA Line Office Oceanic and Atmospheric Research (OAR)</b>				
Cooperative Institute for Climate Science (CICS-P) http://princeton.edu/cics	Princeton University		<ul style="list-style-type: none"> <li>Earth System Modeling and Analysis</li> <li>Data Assimilation</li> <li>Earth System Modeling Applications</li> </ul>	Jorge Sarmiento JLS@princeton.edu
Cooperative Institute for Alaska Research (CIFAR) http://www.cifar.uaf.edu	University of Alaska - Fairbanks		<ul style="list-style-type: none"> <li>Climate Change and Variability</li> <li>Coastal Hazards</li> <li>Ecosystem Studies and Forecasting</li> </ul>	Uma Bhatt uma.bhatt@alaska.edu
Cooperative Institute for the Great Lakes Research (CIGLR) https://cigl.seas.umich.edu/	University of Michigan	Central Michigan University Cornell University Grand Valley State University Michigan State University The Ohio State University University of Michigan University of Michigan-Duluth University of Windsor University of Wisconsin-Milwaukee	<ul style="list-style-type: none"> <li>Observing Systems and Advanced Technology</li> <li>Invasive Species and Food Web Ecology</li> <li>Hydrometeorological and Ecosystem Forecasting</li> <li>Protection and Restoration of Resources</li> </ul>	Bradley J. Cardinale bradcar@umich.edu
Cooperative Institute for Marine and Atmospheric Studies (CIMAS) http://www.ci-mas.org	University of Miami	Florida Atlantic University Florida International University Florida State University NOVA Southeastern University University of Puerto Rico University of Florida University of South Florida	<ul style="list-style-type: none"> <li>Sustained Ocean and Coastal Observation</li> <li>Climate Research and Impacts</li> <li>Ocean Modeling</li> <li>Ecosystem Modeling and Forecasting</li> <li>Ecosystem Management</li> <li>Tropical Weather</li> <li>Protection and Restoration of Resources</li> </ul>	Benjamin Kirtman b.kirtman@rsmas.miami.edu
Cooperative Institute for Marine Ecosystems and Climate (CIMEC) http://cimec.ucsd.edu/	University of California - San Diego	Scripps Institution of Oceanography California State University Los Angeles Humboldt State University of California Davis University of California Los Angeles University of California Santa Barbara University of California, Santa Cruz	<ul style="list-style-type: none"> <li>Climate and Coastal Observations, Analysis, and Prediction</li> <li>Climate Research and Impacts</li> <li>Marine Ecosystems</li> <li>Ecosystem Management</li> </ul>	Bruce Cornuelle bcornuelle@ucsd.edu
Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) http://www.cimms.ou.edu	University of Oklahoma		<ul style="list-style-type: none"> <li>Storm scale and mesoscale modeling research and development</li> <li>Forecast Improvements Research and Development</li> <li>Impacts of climate change related to extreme weather events</li> <li>Weather radar research and Development</li> <li>Social and socioeconomic impacts of severe weather systems.</li> </ul>	Greg McFarquhar
Cooperative Institute for Marine Resources Studies (CIMRS) http://oregonstate.edu/groups/cimrs/	Oregon State University		<ul style="list-style-type: none"> <li>Marine Ecosystems and Habitats</li> <li>Protection and Restoration of Marine Resources</li> <li>Seafloor Processes</li> <li>Marine Bioacoustics</li> </ul>	Michael A. Banks Michael.Banks@oregonstate.edu
Cooperative Institute for the North Atlantic Region (CINAR) www.cinar.org	Woods Hole Oceanographic Institution	Rutgers University University of Maryland-Center for Environmental Science University of Maine Gulf of Maine Research Institute	<ul style="list-style-type: none"> <li>Ecosystem Forecasting</li> <li>Ecosystem Monitoring Ecosystem Management</li> <li>Protection and Restoration of Resources</li> <li>Sustained Ocean Observations and Climate</li> </ul>	Don Anderson danderson@whoi.edu

Cooperative Institute for Ocean Exploration, Research and Technology (CIOERT) http://cioert.org	Florida Atlantic University	University of North Carolina-Wilmington	<ul style="list-style-type: none"> <li>• Advanced Underwater Technology Development</li> <li>• Shelf Frontier Exploration</li> <li>• Vulnerable Coral Ecosystems Research</li> </ul>	Shirley A. Pomponi spomponi@hboi.fau.edu
Cooperative Institute for Research in the Atmosphere (CIRA) www.cira.colostate.edu	Colorado State University		<ul style="list-style-type: none"> <li>• Satellite Algorithm Development, Training and Education</li> <li>• Regional to Global Scale Modeling Systems</li> <li>• Data Assimilation</li> <li>• Climate-Weather Processes</li> <li>• Data Distribution</li> </ul>	Christian Kummerow kummerow@cira.colostate.edu
Cooperative Institute for Research in Environmental Sciences (CIRES) http://cires.colorado.edu	University of Colorado		<ul style="list-style-type: none"> <li>• Advanced Modeling and Observing Systems</li> <li>• Climate System Variability</li> <li>• Geodynamics</li> <li>• Planetary Metabolism</li> <li>• Regional Processes</li> <li>• Integrating Activities</li> </ul>	Waleed Abdalati waleed.abdalati@colo.edu
Joint Institute for the Study of the Atmosphere and Ocean (JISAO) http://www.jisao.washington.edu	University of Washington		<ul style="list-style-type: none"> <li>• Climate Research &amp; Impacts</li> <li>• Seafloor Processes</li> <li>• Tsunami Observations &amp; Modeling</li> <li>• Protection &amp; Restoration of Marine Resources</li> <li>• Environmental Chemistry</li> <li>• Marine Ecosystems</li> <li>• Ocean &amp; Coastal Oceanography</li> </ul>	Thomas Ackerman ackerman@atmos.washington.edu
Northern Gulf Institute (NGI) www.northerngulfinstitute.org	Mississippi State University	University of Southern Mississippi Louisiana State University Florida State University Dauphin Island Sea Lab	<ul style="list-style-type: none"> <li>• Ecosystem Management</li> <li>• Geospatial Data Integration and Visualization in Environmental Science</li> <li>• Climate Change and Climate Variability Effects on Regional Ecosystems</li> <li>• Coastal Hazards</li> </ul>	Robert Moorhead rjm@gri.msstate.edu