



MICAH WELTMER, PH.D., PMP

Senior Project Manager

Micah Weltmer, Ph.D., has more than 20 years of leadership experience in science-based, data-driven risk management and decision support. Micah received a bachelor's degree in geosciences from Penn State University, and both a master's degree in meteorology & physical oceanography and doctorate in physical oceanography from the Naval Postgraduate School, where his work centered around nearshore and estuarine processes. He additionally has strong background in autonomous maritime systems, ocean and atmospheric modeling, knowledge management, and organizational design.

ORGANIZATION ROLE

Senior Project Manager

PROJECT ROLE / FOCUS AREAS

Tidal and Coastal Processes
Operational Forecasting Decision Support Program & Project Management
Strategic Planning

Prior to joining the Institute, Micah served 24 years in the United States Navy, retiring as a Captain in 2022. He managed environmental sensing, modeling, and decision support programs with total budgets up to \$120 million and led highly skilled teams of Sailors from coast to coast and overseas from Japan to Italy. Most recently, he served as the Chief Science & Technology Officer at the Navy's Meteorology and Oceanography headquarters, where he managed a \$300 million annual portfolio that designed and implemented scientific and technical innovations toward improving the Navy's environmental science operations and decision support.

EDUCATION

Ph.D., Physical Oceanography, Naval Postgraduate School, 2013
MS, Meteorology & Physical Oceanography, Naval Postgraduate School, 2003
BS, Geosciences, Penn State University, 1996

PROFESSIONAL EXPERIENCE

2022–Present: Senior Project Manager, The Water Institute

1998–2022: Captain (retired), United States Navy

2019–2022: Chief Science & Technology Officer, U.S. Naval Meteorology and Oceanography Command

2016–2019: Deputy Director, Oceanography Operations, U.S. Naval Meteorology and Oceanography Command

2014–2016: Program Director, Environment and Climate / Fleet Oceanographer, U.S. Naval Forces Europe & Africa - U.S. 6th Fleet

2013–2014: Director of Model and Forecast Operations, Fleet Numerical Meteorology and Oceanography Center

2009–2010: Senior Advisor, Environment and Schedules, Commander, Carrier Strike Group Ten

2006–2008: Program Manager & Requirements Officer, Office of the Chief of Naval Operations (OPNAV)

PROFESSIONAL MEMBERSHIPS

American Geophysical Union
Marine Technology Society
Project Management Institute



2005–2006: Task Force Oceanographer, Submarine Group SEVEN (CTF 74 / CTF 54)

2003–2005: Assistant Operations Officer / Ship Router, Naval Pacific Meteorology and Oceanography Center, Yokosuka

1999–2000: Gunnery Officer, USS FIFE (DD-991)

SELECTED PROJECTS

Lowermost Mississippi River Management Program (LMRMP). *Louisiana Coastal Protection and Restoration Authority (Ongoing).* Project Manager. Coordinated analyses, strategies, and tools for management of the Lowermost Mississippi River.

River Basin Flood Study (RBFS). *Texas General Land Office (GLO) (Ongoing).* Project Manager. Baseline modeling of coastal Texas watersheds.

Barrier Island System Management (BISM). *Louisiana Coastal Protection and Restoration Authority (Ongoing).* Project Manager. Coordinated analyses, strategies, and tools for management of Louisiana coastline, beaches, and sediment resources.

Sustainable Sediment Stewardship (SSedS) Portfolio. *Louisiana Coastal Protection and Restoration Authority, Texas General Land Office, Bureau of Ocean Energy Management (Ongoing).* Portfolio and Project Manager. Sediment prospecting, characterization, geologic modeling and multi-use management in the Louisiana, Texas, and Atlantic coastal and outer continental shelf regions.

Ocean-based Climate Resilience Accelerator (OCRA). *National Oceanic and Atmospheric Administration (Ongoing).* Principal Investigator and Project Manager. Partnership with The Idea Village to implement a Gulf Coast Bluetech and Climate-tech business accelerator.