



USACE R&D Support to the Nation and Warfighter

Examples of Research Supporting the USACE R&D Priorities

1 Mitigate and Adapt to **Climate Change**



Forecast-Informed Reservoir Operations (FIRO)

2 Win **Future Wars**



SUBMAT: Littoral Zone Mobility Matting

3 Modernize our Nation's **Infrastructure**



PIER: Enhancing Strategic Seaports for Supply Chain Logistics

4 Support Resilient **Communities**



Coastal Hazards Rapid Prediction System

5 Enable Smart and Resilient **Installations**



ACES: 3D Printing of Concrete Structures

6 Ensure **Environmental Sustainability and Resilience**



Engineering with Nature®—Expanding Collaboration across the INDOPACOM Theater

7 Secure Reliable Installation **Energy**



STAMP: Tactical Mobile Microgrids

8 Revolutionize and Accelerate **Decision Making**



Ship Simulator: Ship Navigation for Strategic Locations

9 Improve Cyber and Physical **Security**



HPC Assets at Maui; Significant Cybersecurity Capabilities (i.e., SATRN)

10 Protect and Defend the **Arctic**



Airfield Damage Repair in Cold Regions