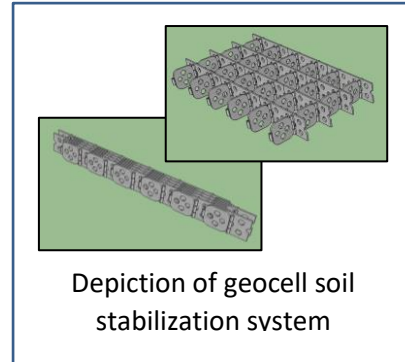




Submersible Matting

Project Summary: The U.S. Army Engineer Research and Development Center (ERDC) proposes to develop a submersible matting system (SUBMAT) to facilitate mobility across the shoreline and wet/dry gaps by combining current soil stability technology and mobility matting into a single product. The SUBMAT system eliminates the size, deployment, and buoyancy constraints that prevent existing land-based soil stabilization/matting systems from being deployed directly in water at the shoreline and disseminated broadly across combat forces. The SUBMAT utilizes a geocell soil stabilization system with soil nail anchors.



Benefit: The ERDC SUBMAT will enable traversal of littoral, shoreline, and wet/dry gaps for military vehicles by providing a collective matting technology that is easily transported, highly mobile, and rapidly deployable using either vehicles or lighterage vessels during high tide events.

Duration of project: FY21 – FY23

Participants: University of Southern Mississippi

Project advocacy (funding or otherwise): US Army Corps of Engineers - Engineer Research and Development Center (USACE-ERDC)