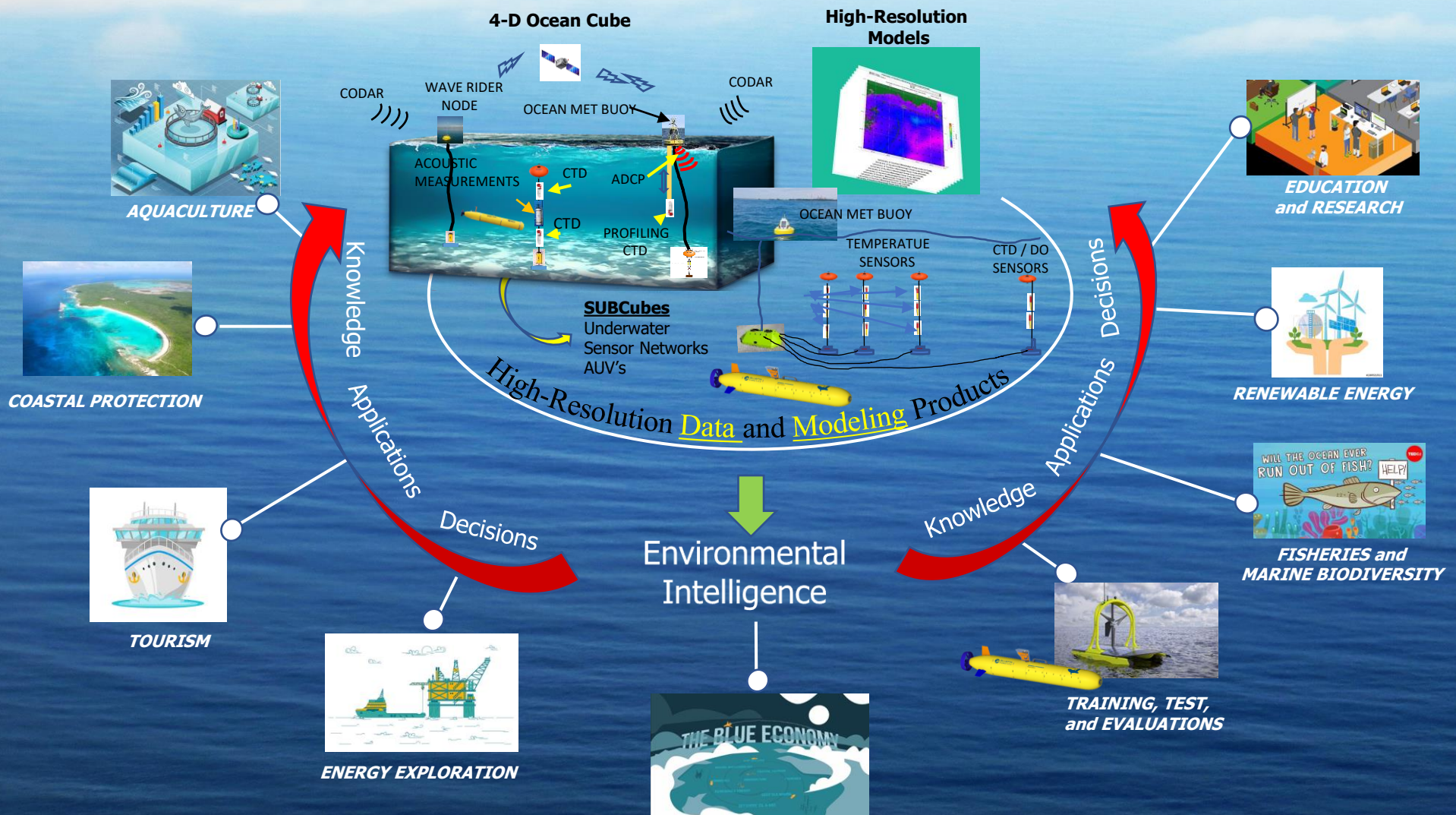


Coastal CUBEnet



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(ERDC) Costal Hydraulics Lab



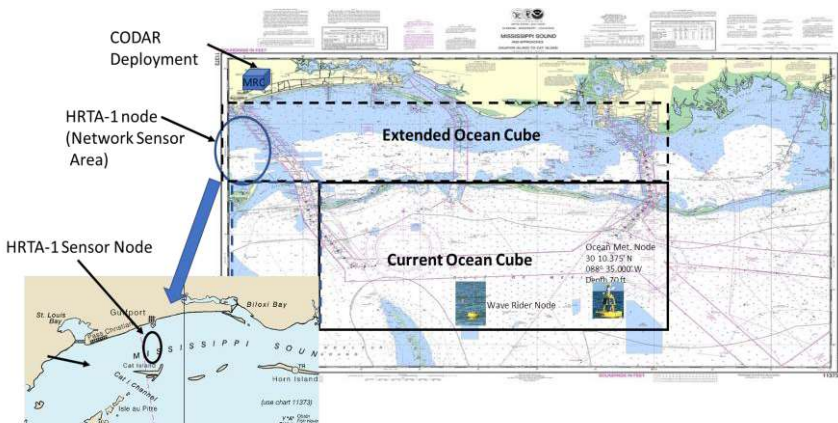
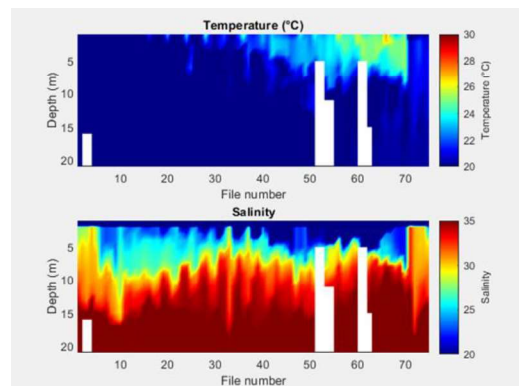
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Coastal CUBenet



- USM’s Coastal CUBenet with its Environmental Intelligence (EI) infrastructure is a high-resolution, coastal ocean sensor, modeling, and data sharing network that provides the integrated, multi-dimensional, open infrastructure needed for collaborative ocean research products.
- The Coast CUBenet’s centralized EI resources are critical for sharing high-resolution data, model forecasts, and other related research products with end users and the community.
- It provides an innovative set of interconnected tools, techniques, methods, models, data, and educational resources that will enhance human engagement with ocean-based resources.
- EI provides the networked Blue Economy stakeholders with the ability to access models, and high-resolution data for real-time or near-real coastal policy decisions with much greater accuracy and confidence.
- USM’s EI network allows for the ongoing development of real-time analytics, machine learning, and other artificial intelligence models that rely on such large data sets. These models can be used to spur development of new analytical and predictive methods to provide an understand of the effects of place-based environmental-stressors
- The CUBenet and its EI tools also serve as a platform that offers the opportunity to bring in expertise, insights, methods, and tools from multiple disciplines including,

- Oceanography
- Climate science
- Biology
- Natural resource management
- Coastal and ocean engineering
- Computer/data science
- Public policy
- Economics



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