

The University of Southern Mississippi's Coastal Operations Briefing

MARCH 2022

Vision—The University of Southern Mississippi’s Coastal Operations will be a national leader in addressing issues relevant to people in coastal and maritime settings.

PILLARS



CHARTING OUR COASTAL FUTURE

USM Coastal Operations Core Services



Research
And
Development



Student Success



Outreach

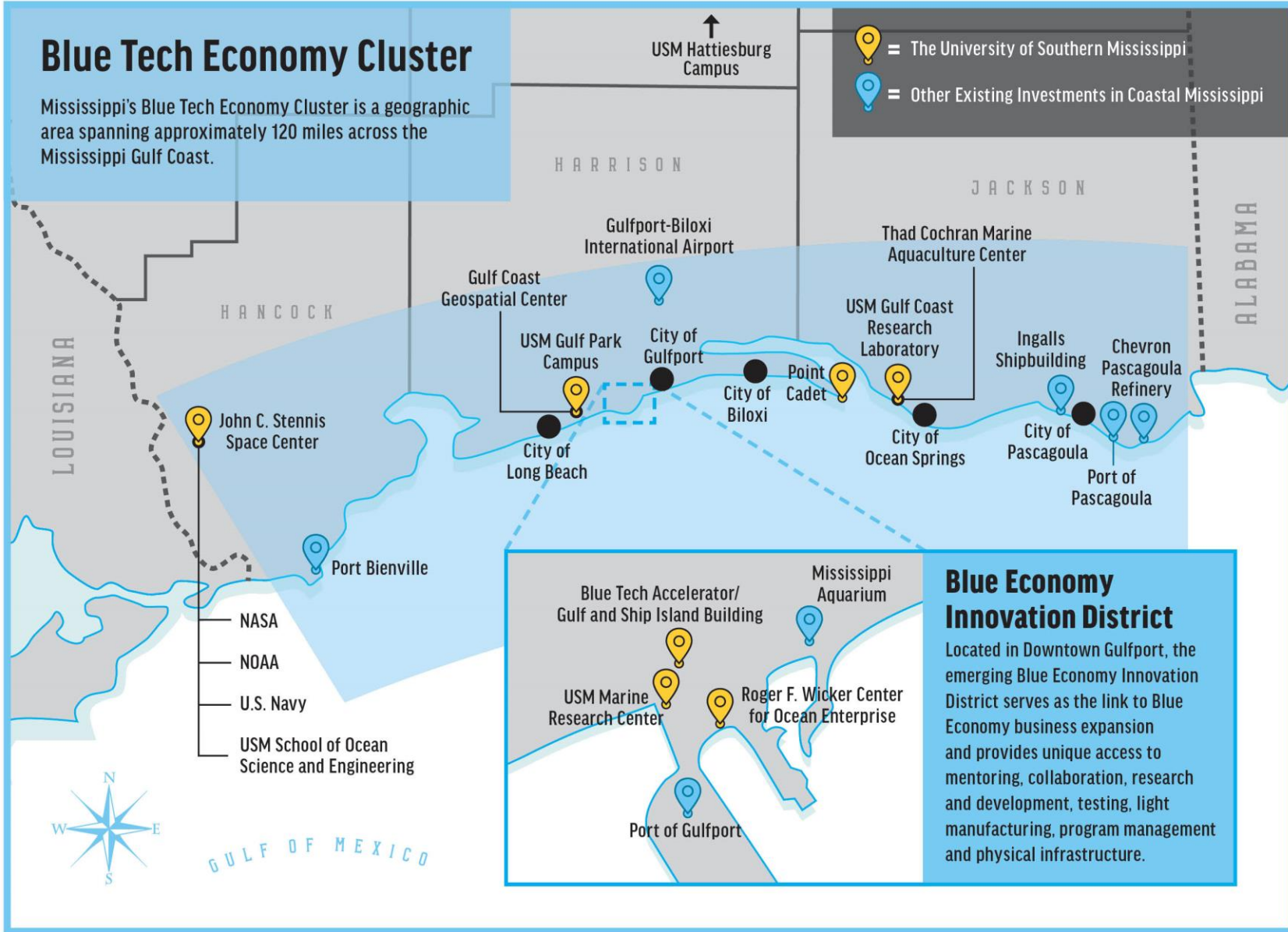


Summer Field Program

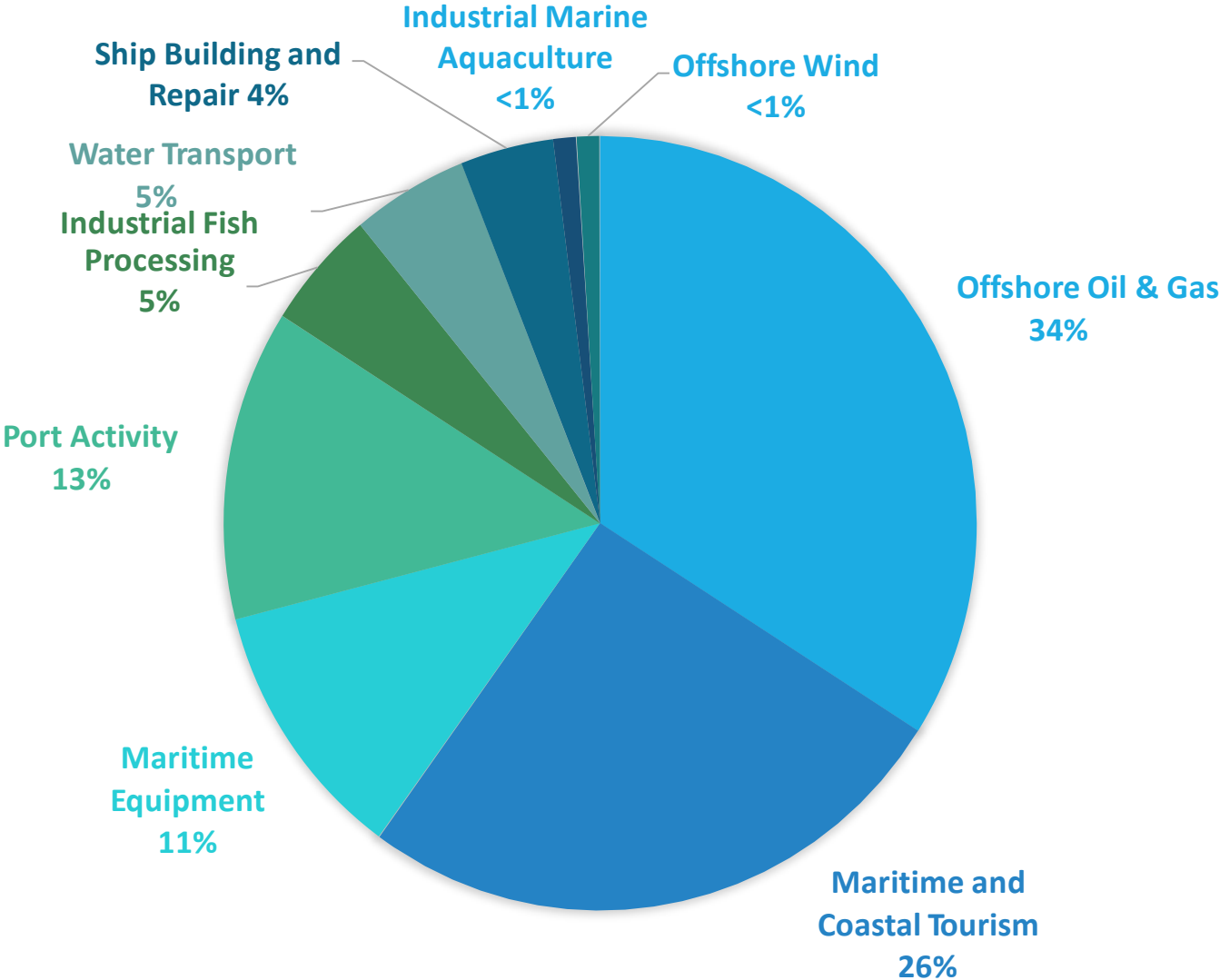
at the
GULF COAST RESEARCH LABORATORY

Blue Tech Economy Cluster

Mississippi's Blue Tech Economy Cluster is a geographic area spanning approximately 120 miles across the Mississippi Gulf Coast.



Ocean economy growing 2x rate of global GDP rate – \$1.5 Trillion in 2030



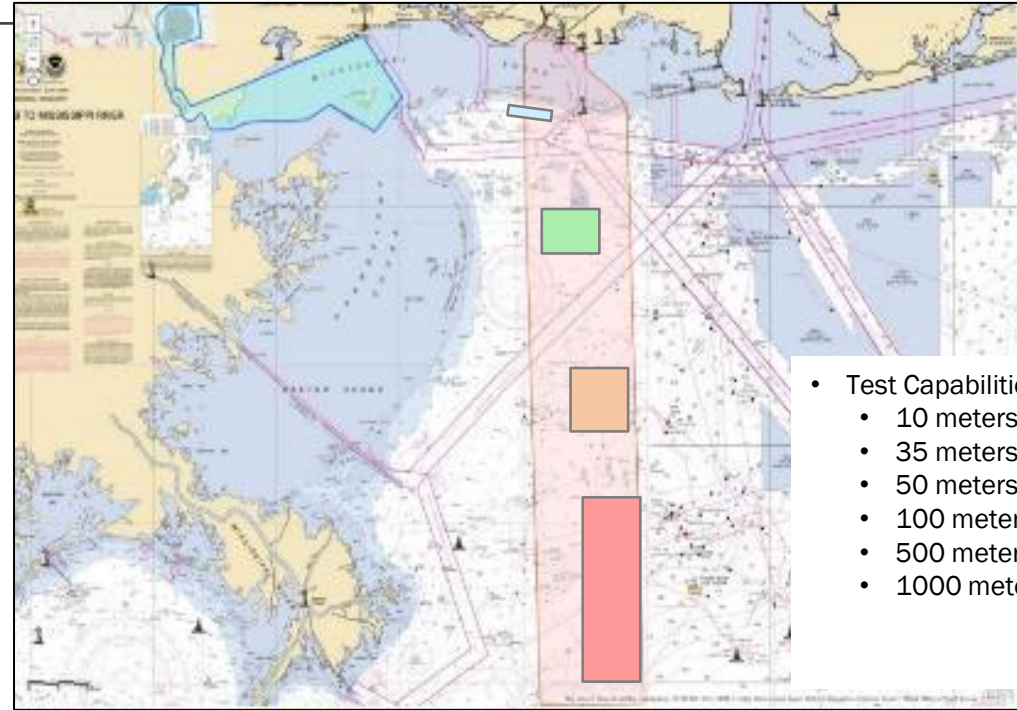
Source: OECD: The Ocean Economy in 2030 using 2010 baseline

2018 Strategic Plan Prepared by Ocean Task Force

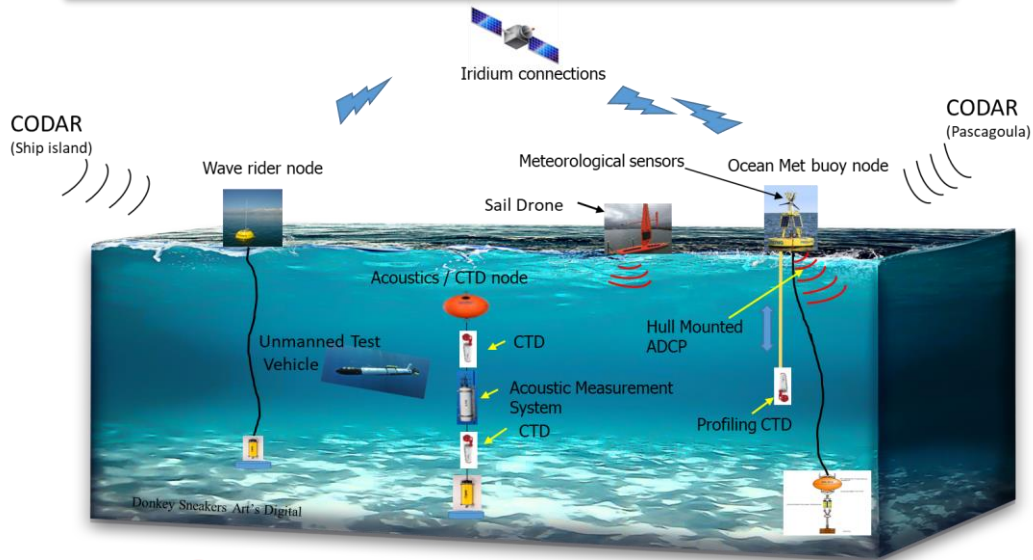


- To establish:
 - UMS operational test area in Gulf of Mexico
 - UMS warehouse and depot facilities
 - Innovation and commercialization center
 - Engineering and development center
 - Marketing and branding launch
 - Policy expertise in existing laws and regulations
- To support business development
- To provide high-performance and cloud computing facilities
- To create a talent pipeline for success and retention of Mississippi students

CubeNET—Evaluation and Test Area



Gulf of Mexico Hydrographic Survey Areas by Depth



- Test Capabilities:
 - 10 meters
 - 35 meters
 - 50 meters
 - 100 meters
 - 500 meters
 - 1000 meters

Launch Regional Brand

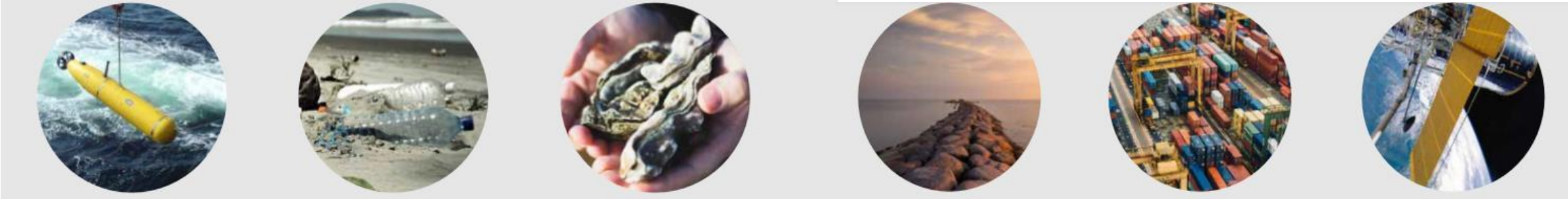


About Innovate Collaborate Accelerate
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Big Ideas Out of the Blue

Convergence Opportunities



Unmanned
Maritime
Systems

Ocean
friendly
plastics,
nitrates..

Precision
Aquaculture

Ocean
and
Coastal
Data
Analytics

Digital
and Clean
Ports &
Shipping

Sea-
Space
Systems

Focus on growth sectors that can cross silos

Recent Infrastructure and Investments



Innovation Co-Working Space in Historic Gulf & Ship Island Building

- Floor 1 – **Gulf Blue Navigator** Program
- Floor 2 – Leasable space
- Floor 3 – NOAA teams



Gulf Blue Navigator Program: A Nexus to Capture STEM Based Bluetech Venture Innovation



Access to labs,
marine
facilities &
makerspace



Funding
(equity/grants)



Access to
potential
customers



Access to
corporate
partners



Coworking



Academic
Institutions



Professional
mentoring
(legal,
accounting)