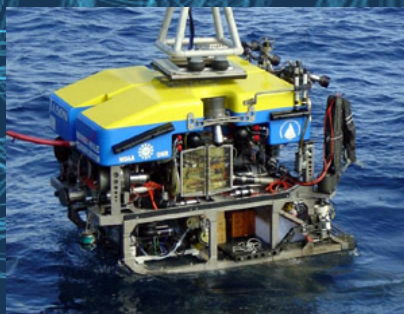


NDSF Operator's Report UNOLS DeSSC Spring Meeting 2020



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People

Rose Wall

Drew Bewley

Stefano Suman

Mario Fernandez

Gary McGrath

Sarah Fuller

Pam Clark

Jenn Carter

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COVID-19 Risk Assessment Methodology

- **Clearly identify the risk to be assessed**
 - Science Cruise, Departing vessel, etc.
- **Form a knowledgeable working group to discuss risks**
 - Ensure good mix of people from various facets of Sci Mission and Vessel Ops
- **Discuss all potential risks and identify resources:**
 - Local, State, Federal, & Country Guidelines
 - Regulatory Guidance: USCG, ABS
 - Port Authorities: Domestic & Foreign
 - Institutional Policies
 - UNOLS COVID-19 Considerations, Updated 15 April 20
 - UNOLS GW Medical Guidance
- **Finalize risks and develop mitigation steps**
- **Present final determination**



Atlantis
Armstrong Pioneer
Armstrong OSNAP



Getting Science Back to Sea

Preparing for Cruises & Questions to Ask
29 MAY 2020

R/V Atlantis Mid-Life Upgrade



Purpose

- Modernize
- Extend service life

Commercial

- Primary funding by ONR
- Managed by WHOI

Scope

- Repower
- New controls/power mgmt
- New bow thruster
- Upgrade key science systems

Timing: May 29, 2020-June 30, 2021

Budget: \$37+ million



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CWATER

Complex for Waterfront Access
to Exploration & Research



Goal: Rebuild WHOI's waterfront research complex

- **New dock and laboratory complex**
- **Accommodate activities requiring direct access to the sea (ships, AUV labs, test wells, small boats, shop, high bays)**
- **Resiliency a key design requirement**
- **Complex to serve WHOI and the greater community**
- **Feasibility study complete: \$75 million (2018) and 7 years**
- **Working Phase II planning, design, engagement and permitting**

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NOAA OEAB

- Blue Economy Subcommittee
- Deep submergence recommendations

ACCELERATING GROWTH OF U.S. BLUE ECONOMY
Initial Recommendations

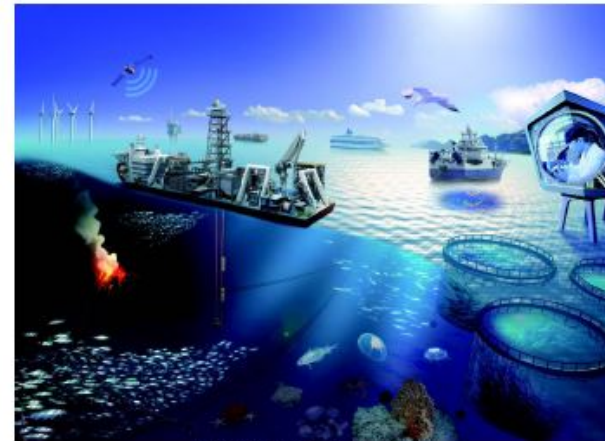


Image Source: The Ocean Economy In 2030, OECD

An Interim Report
Blue Economy Subcommittee
Of
NOAA Ocean Exploration Advisory Board

1 June 2020

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OceanXplorer¹

- Owned by OceanX
- Ex-Volstad Surveyor
- Conversion at Damen Rotterdam
- WHOI technical support
- Science & Media
- BBC and Discovery Channel series
- Red Sea Q4 2020



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