



GWFF

GEOSPATIAL WORLD FORUM

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SeaAhead





SeaAhead





Our mission is to catalyze, build,
and invest in the best ocean
startups to generate outsized
venture returns
and measurable impact.



Our Catalyze, Build & Invest strategy is tailored to this sector

Our Innovation Platform supports, de-risks, and accelerates startups, which enables us to aggregate equity positions that generate superior venture returns for our investors.

Our strategies are executed through:

- Partnerships & Contracts
- Accelerator Programs
- Venture Studio
- Venture Capital



CATALYZE

We build relationships that act as a source of revenue and opportunity, strengthening our network and proprietary market intelligence

BUILD

We scale young companies with support from sponsors and partners

INVEST

We leverage our market intel and relationships to earn equity and make direct investments in the best opportunities

We are the connective tissue in an ecosystem designed to create better startups

SeaAhead has built *the* ocean startup ecosystem brand by bringing together corporations, investors, governments, academia and NGOs to support ocean startups and, in turn, become invested in their success. These relationships:

- Supply market intel and deep industry insights
- Expand our pipeline and deal flow
- Enable ecosystem enhanced due-diligence
- Provide guidance and expertise that builds our portfolio companies



THESE ORGANIZATIONS ARE PARTNERS, SPONSORS, MENTORS, EXPERTS AND COLLABORATORS

GOVERNMENT	ACADEMIA / NGO
<p>STRATEGIC CORPORATIONS</p>	<p>INVESTORS</p> <p>SeaAhead Blue Angels</p>



There's momentum in ocean sectors – driven by customer demand, technological advances, and regulation



Large market opportunities have been underserved by venture capital

Maritime Shipping

- **\$109B** market in 2030, 7.5% CAGR
- **\$1T+** needed to hit IMO 2050 decarb goals

Circular Economy

- Biodegradable plastics markets currently ~**\$7.5B**, expected to grow at **31% CAGR** to \$31B by 2030 ([source](#))

Aquaculture

- **\$250B** market in 2018 (FAO)
- CAGR of 3.6% from 2021-2026 ([MarketWatch](#))

Offshore Wind

- 30% annual growth rate between 2010-2018
- Expected 13% CAGR to 2040 resulting in a **\$1T** market ([IEA](#))

Coastal Resilience

- Expected costs of **\$1T/year** by 2050 in coastal areas due to climate change

Blue Carbon

- Evolving opportunity, voluntary carbon markets **\$50B+** by 2050



Transition to Demand-driven Ocean Knowledge Solutions.



MetOcean Data Market Taxonomy

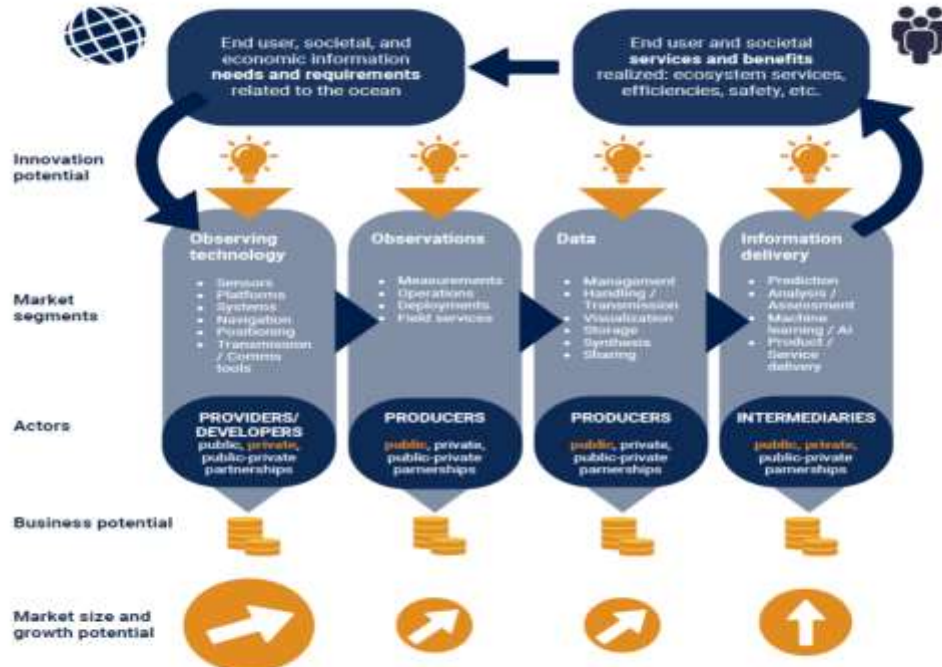


Figure 2: Ocean Information Value Chain and the Ocean Enterprise



Three Promising Sectors.

- ❖ Ocean (and Atmospheric) Modeling
- ❖ Maritime Domain Awareness (MDA)
- ❖ Data Management and Integration



Disclaimer.

- ❖ Sea Ahead holds equity positions in the companies referenced
- ❖ References to these companies in this presentation should not be considered an endorsement, promotion, or specific recommendation



Ocean (and Atmospheric) Modeling



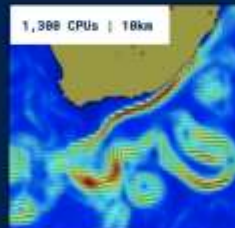


Ocean (and Atmospheric) Modeling

BREAKTHROUGH

A new simulation framework developed at MIT

- Generational leap in performance (x100) over legacy academic codes achieved by new MIT ocean simulation code.
- Ocean simulations can now move beyond the walls of academic research and be made operational and cost-effective for ocean-based industries.



UNLOCKING THE VALUE OF THE OCEAN

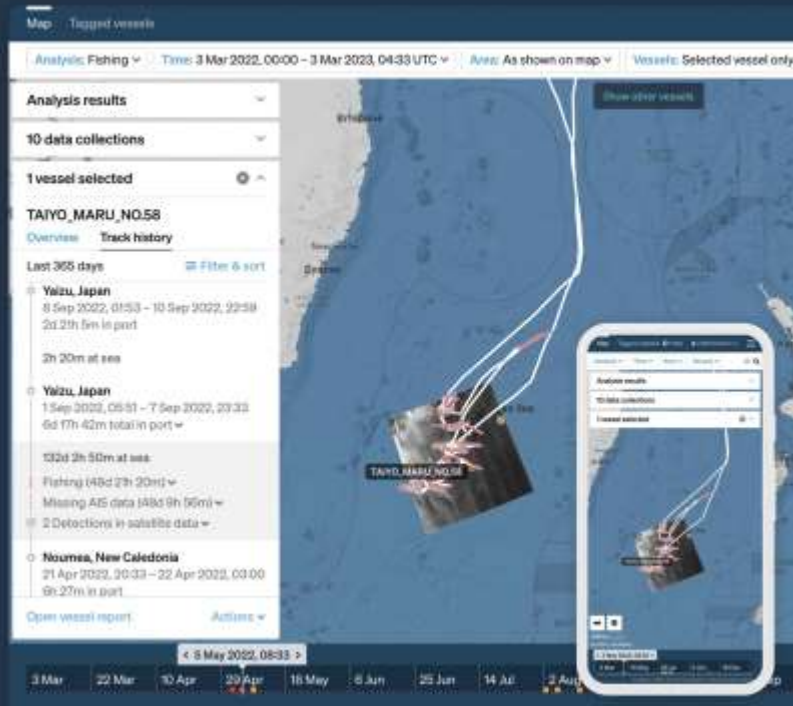
Maritime Domain Awareness (MDA)



JOIN US IN TACKLING A CRITICAL GLOBAL ISSUE

We build powerful and intuitive maritime domain awareness software.

Our customers use it every day to protect the world's oceans and their national waters.



Data Management and Integration



 bluemvmt

**A DATA MANAGEMENT
SOLUTION FOR THE
OCEAN**

 Joe Wheeler
Co-Founder, CEO

bluemvmt.com

Data Management and Integration



PROBLEM

“The cost of ocean data integration in the EU was € 1.5 billion in 2020.”

Ocean data need a sea change to help navigate the warming world
Antle Brett, et. al.

A Data Management Solution for the Ocean

DATA TSUNAMI

The rapid growth in ocean information in the past decade has not been accompanied by a rethink of how data are collected, shared and accessed. Historical data-management methods prevent a comprehensive understanding of the impact of human activities on the ocean.

Number of samples per year (thousands of thousands)

Type of instrument:

- Simple probes and bottles sampled water
- CTD
- Buoy (moored or drifting)
- Attached to a marine animal
- Autonomous vehicle
- Other

More data have been collected since 2000 than over the previous 100 years

1905 1935 1945 1955 1965 1975 1985 1995 2005 2015

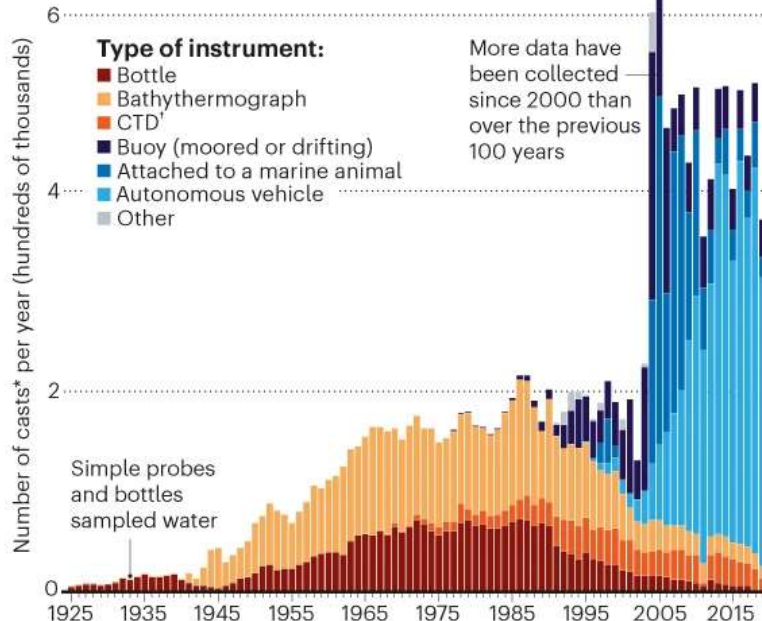
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Data Management and Integration



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Data Management and Integration



SOLUTION



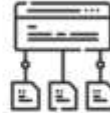
bluemvmt
Platform-as-a-Service

EXTRACT



Extract data from any sensor and automatically output it to any database or file format.

ORCHESTRATE



Orchestration layer allows you to extract, transform and load any dataset effortlessly.

ANALYZE



Secure, scalable environment, eliminating the friction of sharing and analyzing data.

A Data Management Solution for the Ocean

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Data Management and Integration



VALUE PROPOSITION

We unlock data driven decision making that isn't possible today.

A Data Management Solution for the Ocean



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COMMON CHALLENGES TO OCEAN DATA STARTUPS



- Turning their Data Set into a Solution
- “Gearing “their business to the customer adoption curve.
- Particularly with data companies: “Why would I want a computer on my desk?”
- So far – few exits in the space



CALL TO ACTION

- CONTINUE TO EMPHASIZE COOPERATION AND INTEGRATION

Thank you.

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EIR & Venture Partner

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