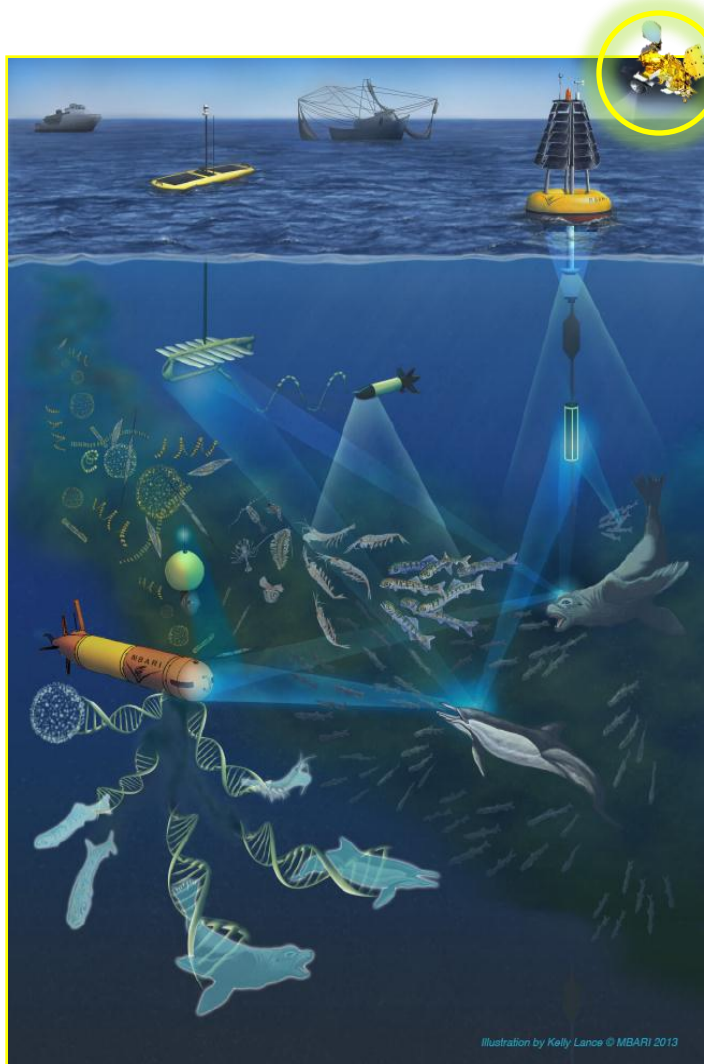


# MBON Overview



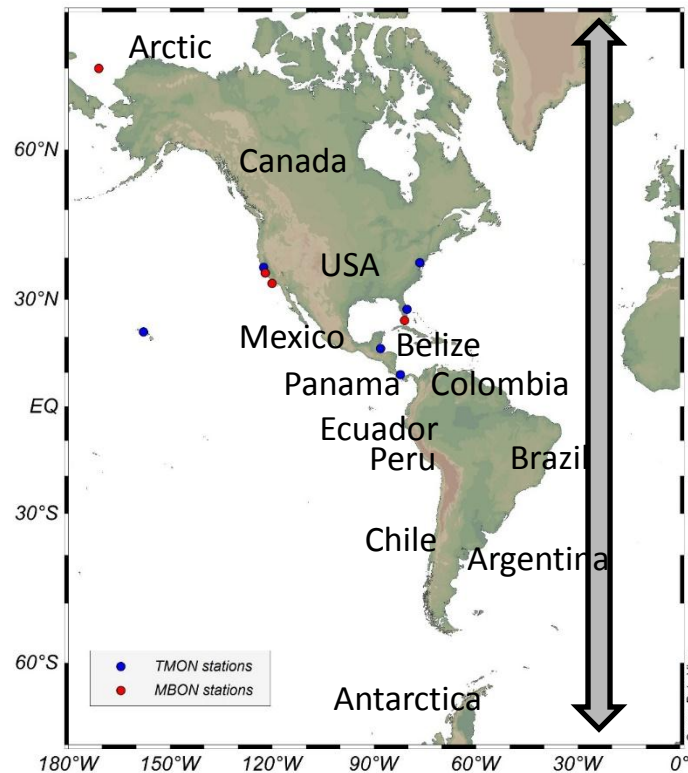
[geobon.org](http://geobon.org)

Rebecca Shuford on behalf of  
Gabrielle Canonico, US IOOS Program



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# MBON Pole to Pole: Starting in the Americas



U.S. MBON Demos (2014-2019)  
GEO Plenary, Mexico (2015)  
Convention of Biological Diversity  
(Montreal, Apr 24, 2016)  
GEO BON Open Science Meeting  
(Leipzig, Jul 4-6, 2016)  
Pole-to-Pole in the Americas  
Workshop (Puerto Morelos,  
Mexico, Sep 26-30, 2016)  
GEO-XIII Plenary (St Petersburg,  
Russia, Nov 9-10, 2016)  
Animal Telemetry Netw. – Mar'17  
AmeriGEOSS –Jul 2017 Costa Rica  
OBIS Workshops  
GEO Plenary-Oct 2017

# Global Collaboration

**GEO BON/MBON – GOOS BioEco – OBIS partnership**  
**Building a globally coherent, consistent and coordinated sustained global ocean observing system to assess the state of the ocean's biological resources and ecosystems**

## Requirements



- Focus on sustained observations
- Bring selected EOVS from pilot to mature
- Link with platforms and observing systems of GOOS and GRAS

## Observations



- R&D focus
- Bring new EOVS from concept to pilot
- Assist with the establishment of national and regional BONs

## Data & Products



- Open data sharing
- Data integration
- Data quality control
- Data harmonization
- Tools for data exploration, visualization and analysis

Products,  
Indicators,  
Assessments



<http://iobis.org/2016/12/15/goosgeobonobis/>



# Tools for SDG 14

## SUSTAINABLE DEVELOPMENT GOAL 14

Conserve and sustainably use the oceans, seas and marine resources for sustainable development



MBON supports:

- Integrating global, multidisciplinary research and observations
- Visualizing data and information to inform management
- Identifying Essential Ocean Variables (EOV) to support understanding of biodiversity and ecosystem change
- Defining relationships among physical, biogeochemical, and biological processes
- Investigating feedbacks between upstream (terrestrial and freshwater) and downstream (marine) elements of biodiversity

## Interactive Tools Video:

<https://www.youtube.com/watch?v=p6LzEKm4DBE>

Voice of Ben Best, Ecoquants

## Links:

MarineBON.org (SDG products link is in upper right corner)

github.com/marinebon (code available here as open source)

Thank you!

Please direct questions to:

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NOAA/U.S. IOOS Program Office

U.S. MBON Manager