

BLUE PLANET
Oceans and Society

THE ROLE OF THE OCEANS IN EARTH'S LIFE-SUPPORT SYSTEM



Services and Information for the Blue Economy

 **IOOS** | EYES ON THE OCEAN™





COPERNICUS MARINE ENVIRONMENT MONITORING SERVICE

Providing PRODUCTS and SERVICES for all marine applications



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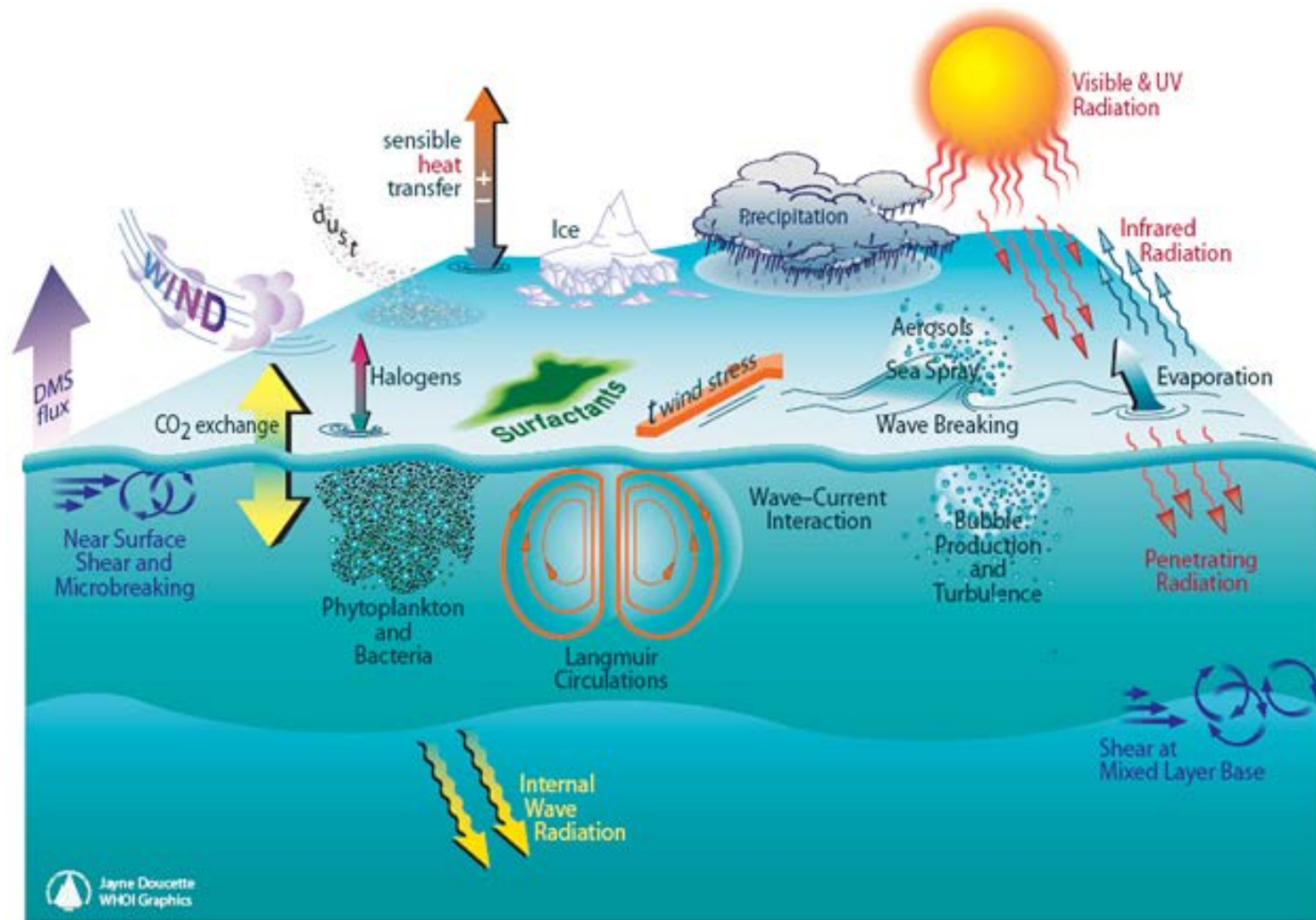


Integrated Marine
Observing System

The delivery chain

- Growing communities of intermediate users who add value to core data and information to support specific societal, economic or safety benefits
- It is these intermediaries who connect understanding of specific end-user needs with the core data and information used to build customised products and services
- Intermediaries can be for profit commercial businesses, not for profit legal entities or agencies of government

Coupling of the ocean and atmosphere



Impact of ocean observations and measurements

- What is the state of the art in making effective use of ocean observations and measurements in the delivery of improved ocean and weather modeling?
- What do we know about the impact of ocean observations and measurements on improved ocean and weather model skill?
- What are the likely benefits that incremental improvements in ocean and weather models might deliver to end-users?

Next steps

- Use the outputs from this session as an input to building strengthened use case for the benefits of ocean observations in ocean and atmospheric prediction systems
- Develop case studies of benefits to specific maritime and terrestrial end users
- Follow thorough with a series of conferences and workshops to develop this theme with the next being the 'Oceans of Knowledge' conference at the Royal Institution in London on November 7th 2017

Session outline and introductions

- The Ocean Economy in 2030
Claire Jolly, OECD
- Ocean Observations and Models and their Impact upon Ocean and Weather services
John Siddorn, UK Met Office
- The Impact of Ocean Observations on Wind and Wave Models for Application in the Offshore Industry
Andrew Cox, Oceanweather Inc
- Coastal Ocean Observations, Risk Modeling and Reinsurance,
Dail Rowe, WeatherPredict Consulting