AN OCEAN OF OPPORTUNITY
GLOBAL PARTICIPATION AND PERSPECTIVE

September 16-20, 2019
Hawaii Convention Center

1566 Attendees
74 Countries
140 Community White Papers
550+ Posters
57 Exhibitors

Interoperability
How can we better communicate among observing systems to deliver products across the globe?

Governance
How can we balance needs, capabilities, and knowledge worldwide?

Integration
How can we enable innovation in observing technologies, products, and user services?

Innovation
How can we meet future user needs?
CWPs are the collective perspectives of the ocean observing community and reflect: (1) priorities for the next decade, (2) opportunities for strengthening end-user engagement, (3) concepts for better integration, and (4) prospects for improving societal themes.

**437 Abstracts**

**131 Published Articles in Frontiers in Marine Science**
High-level recommendations from CWP authors and Breakout/Special Sessions leaders were collected to guide the development of the Living Action Plan.

Recommendations are available online on the OceanObs19 website.
OceanObs’19 – what we heard

- **Planning for impact**: codesign of the observing system, end-to-end, with stakeholders and users
- **Core system integration**: Democratization of data, best practice, integration of biological and ecological observations, and a growing emphasis on the coast
- **Embracing innovation** in technology and governance, and looking to the #OceanDecade as a vehicle for transformation
- **Governance** breakout: formation of a working group to make recommendations
PRIORITIES FOR THE NEXT DECADE

- Stakeholder connection: end-to-end; includes industry, users (public, decision makers…). Data/product development, economic importance (sustainability).
  - Co-design obs. systems with modelling communities and stakeholders.
  - Expand observing capacity to link physics, biogeochemistry, and biological observations to measurement of societal/human impact.
  - Partner with indigenous communities in the expansion of global observing systems.
- Integrated system of open ocean-coastal observations, augmenting biological/biogeochemical observations (implementing EOV’s…).
- The data issue…
PRIORITIES FOR THE NEXT DECADE

- Communication = increased partnerships and communication with public, stakeholders, and policy makers.
- Embrace Innovation: integrate high-tech innovations in observing sensors, platforms, data managements, and visualization (where it makes sense…)
- The role of the UN Decade of Ocean Science for Sustainable Development in moving forward national interests relevant to OceanObs19.
CURRENT ACTIVITIES

- Living Action Plan Online
- Community Working Groups ongoing
- Follow-on Meetings, Town Halls, and Activities:
  - NAS Sustaining Ocean Observations, Phase 2 (Fall 2020)
  - UN Decade of Ocean Science for Sustainable Development
    - Ongoing regional workshops (Halifax, Tromsø, Copenhagen, Caribbean/Central America)
  - Ocean Obs RCN Annual Meeting Feb. 16, 2020
  - Ocean Sciences Meeting – OceanObs ‘spinoffs’ Town Halls

www.oceanobs19.net
The OceanObs RCN is an NSF-sponsored forum on all aspects of ocean observing. Discussions identify advances and challenges in ocean observing and may identify new technologies and promote their cost-effective development, identify policy priorities, and highlight capacity building requirements for the next decade.
PATH TO OCEANOBS’29

Potential OceanObs Mid-Way
South Africa

OceanObs’29
China

OBSERVATIONS – DATA – KNOWLEDGE – ACTION
THANK YOU!