

**OCEAN  
OBS'19**



**AN OCEAN OF OPPORTUNITY**



# GLOBAL PARTICIPATION AND PERSPECTIVE

September 16-20, 2019  
Hawaii Convention Center

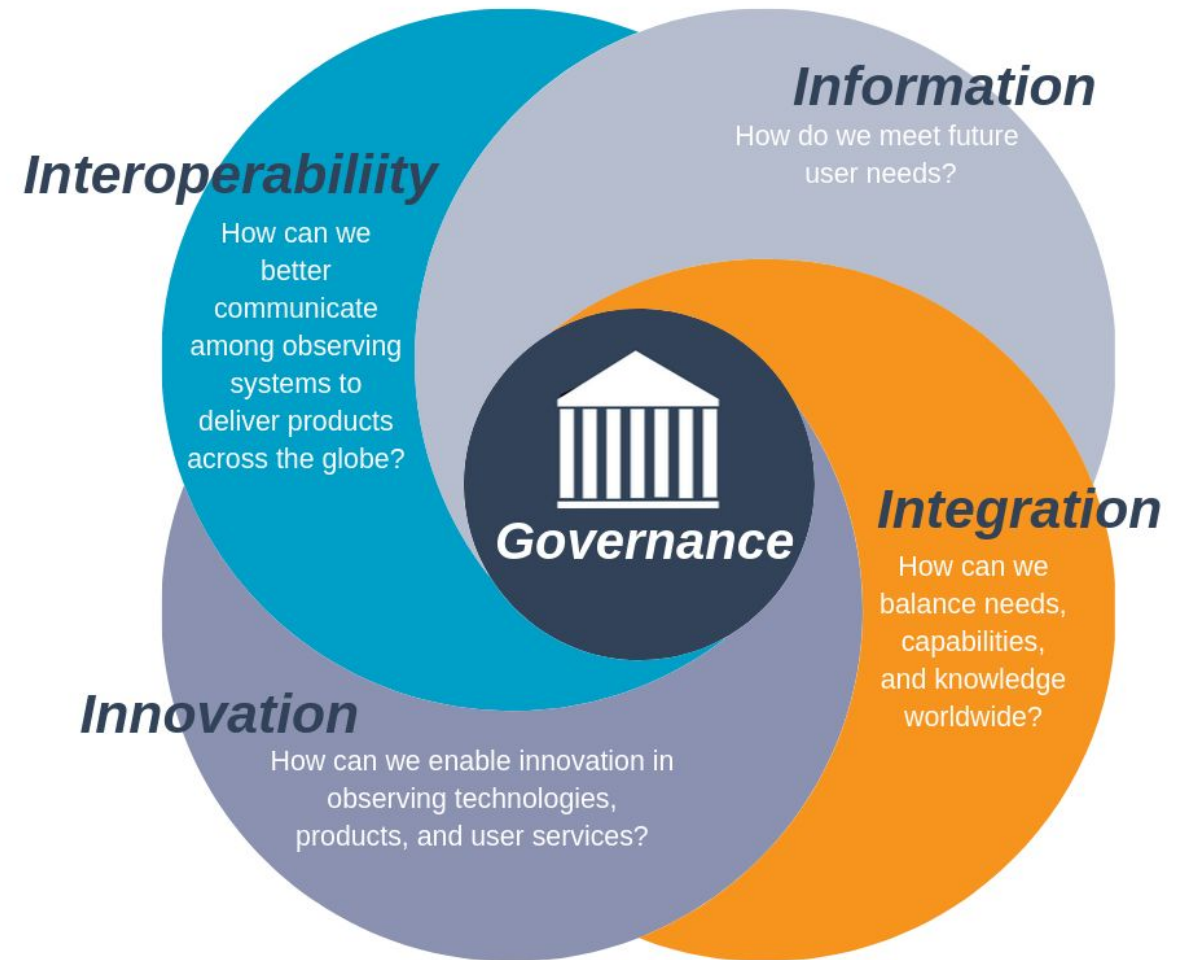
**1566** Attendees

**74** Countries

**140** Community White Papers

**550+** Posters

**57** Exhibitors





# PLANNING AND COMMUNITY INPUT

## *Community White Papers*

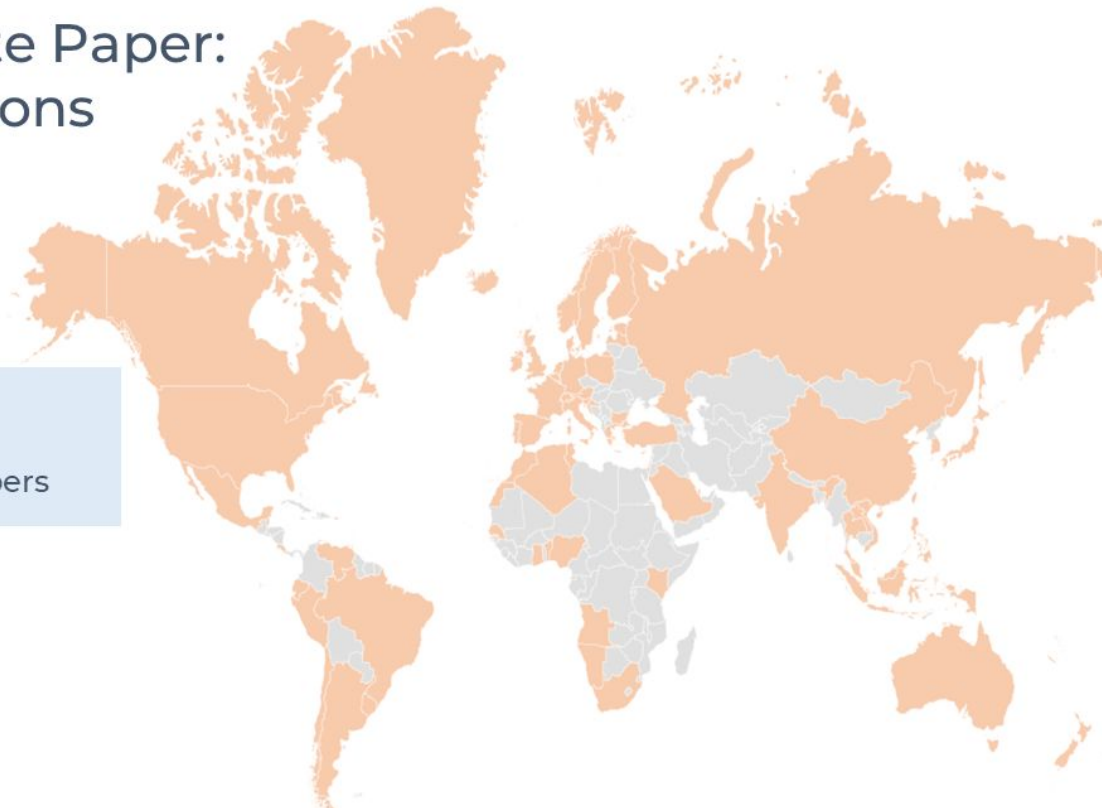
CWPs are the collective perspectives of the ocean observing community and reflect: (1) priorities for the next decade, (2) opportunities for strengthening end-user engagement, (3) concepts for better integration, and (4) prospects for improving societal themes.

**437** *Abstracts*

**131** *Published Articles in  
Frontiers in Marine Science*

### Community White Paper: Global Contributions

- More than 2500 Authors
- 79 Countries
- 140 Community White Papers



Contributing Country  
Non-Contributing Country



# PLANNING AND COMMUNITY INPUT

## *Recommendations*



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 EOVS...).
- 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

[www.oceanobs19.net](http://www.oceanobs19.net)

- 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



# OCEAN OBS RESEARCH COORDINATION NETWORK (RCN) ANNUAL MEETING: Defining Essential, Executable Ocean Observing

*February 16, 2020 | 08:30am-05:30pm| Hilton San Diego Bayfront*

## GOALS:

- Synthesize community efforts and recommendations
- Identify short term priorities areas and achievable tasks (6-12 months)
- Phased implementation

## DRAFT BREAKOUT SESSIONS:

- Impacts and Applications
- Integrated Ocean Observing/Systems
- Governance & Engagement
- Technology
- Data Management and Products
- Interoperability

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*



**2021  
2030** United Nations Decade  
of Ocean Science  
for Sustainable Development

**OBSERVATIONS – DATA – KNOWLEDGE – ACTION**



THANK YOU!

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