



## TPOS 2020 Second Meeting of the Resource Forum: May 2017 Honolulu Declaration

The Resources Forum recognized and reaffirmed the importance of the tropical Pacific observing system in underpinning climate, weather, ocean and ecosystem research and services, and its key role in GOOS, GCOS, WIGOS and JCOMM. The Forum recognized many important agency contributions over recent decades including, specifically, the NOAA and JAMSTEC contributions to the tropical moored buoy network.

The Resources Forum endorsed the Recommendations from the First Report of TPOS 2020. The Forum thanked Lead Authors and others who contributed to the Report and to its publication. The Forum specifically wished to thank the experts and stakeholders who contributed reviews of the first and second drafts of the Report.

The Resources Forum noted that the recommendations related to satellite and other global broadscale observation networks were well aligned with existing strategy for the observing system. The Forum also noted several recommendations that called for specific strategies to respond to the assessed requirements. These included:

- Enhanced scatterometer and other remote and in situ measurements of surface wind
- Increased observations in the equatorial region and upper ocean, including for ocean currents
- Doubled broadscale subsurface sampling in the tropics, principally through Argo,
- A reconfigured tropical moored buoy array, with more focus on key regimes and more capable surface and subsurface measurement systems
- Support for existing biogeochemical observations and strong encouragement to seek their further enhancement, including through research studies
- Enhanced modelling and data assimilation, to better assess the impact of observations, and to better exploit the rich capability of diverse sampling platforms
- Studies and new technology development to enhance the effectiveness, efficiency and sustainability of the TPOS

Each of the 14 participating organizations expressed strong support for the TPOS 2020 plans and identified short-term and potential long-term contributions and interests. The TPOS 2020 First Report describes specific short- and near-term actions that will benefit the strategic goals of the TPOS, the global ocean observing community and decision makers who rely on knowledge of the tropical Pacific for livelihoods, public safety, and commerce. The Forum enthusiastically supported pilot studies that will guide and enable the sustained network design. The Forum agreed to establish a task team to guide implementation of the recommendations and actions, and to support a workshop to begin the task of implementing TPOS changes in the western Pacific.