



WMO

ITU-WMO-UNESCO IOC Joint Task Force (JTF)

Committees

As of 5 January 2023

Executive Committee	
Chair: Bruce Howe , University of Hawaii	Members: J�rome AUCAN , Laboratoire d'Etudes en G�ophysique et Oc�anographie Spatiale (LEGOS) Laurie Doyle , Alcatel-Lucent Steve Lentz , Ocean Specialists, Inc. Steve Dawe , Vodafone John Mariano , David Ross Group; Tara Davenport , National University of Singapore (NUS); Kate Panayotou , GHD
Vice Chair: Nigel Bayliff , SIN Medida Limited	

1. Science and society

<p>Chair: J�rome Aucan, Centre IRD de Noum�ea</p>	<p>Members:</p> <p>Uri ten Brink, U.S. Geological Survey; Rhett Butler, Science advisor and consultant, University of Hawaii Elizabeth Cochran, U.S. Geological Survey, John Collins, Woods Hole Oceanographic Institution; Marie Ebl�, NOAA, Paolo Favali, Research Director, Istituto Nazionale di Geofisica e Vulcanologia (INGV - Italy); Bill Fry, Seismologist, GNS Science, Te Pu Ao Ken Gledhill, GNS Science, Bego�a Perez Gomez, Puertos del Estado (Spain); Bruce Howe, University of Hawaii; Douglas S. Luther, University of Hawai`i at Manoa; Thomas Maik, GFZ German Research Centre For Geosciences Chris Meinig, Director of Engineering, PMEL, National Oceanic and Atmospheric Administration (NOAA); David Meldrum, Research Fellow, Scottish Association for Marine Science (SAMS) and Consultant, Intergovernmental Oceanographic Commission, United Nations Educational, Scientific and Cultural Organization (UNESCO-IOC); Tommy Moore, Pacific Islands Global Ocean Observing System (PI-GOOS) Johan Robertsson, ETH-Zurich, Hanne Sagen, Nansen Environmental and Remote Sensing Center, Tom Sanford, University of Washington; Y. Tony Song, California Institute of Technology Zoltan Szuts, Applied Physics Lab, University of Washington Frederik Tilmann, Deutsches GeoForschungsZentrum, Freie Universit�t Berlin Stefano Tinti, University of Bologna (Italy) Vasily Titov, NOAA Ikuko Wada, International Research Institute of Disaster Science (IRIDES), Tohoku University William S. D. Wilcock, University of Washington John You, University of Sydney</p>
<p>Perform ocean observing system simulations, both for climate change and tsunami warnings.</p>	<p>Estimated effort: 1+ year</p>

2. Engineering

<p>Co-Chairs: Laurie Doyle, Alcatel-Lucent Steve Lentz, Ocean Specialists, Inc.</p>	<p>Members: Chris Meinig, National Oceanic and Atmospheric Administration (NOAA); Peter Phibbs, Mallin Consultants (Vancouver); Jean-François Rolin, European Sea Observatory Network of Excellence (ESONET), Ifremer; Ron Rapp, TE SubCom; David Murphy, Director of Science, Sea-Bird Electronics; Noriyuki Fujiwara, Senior Manager, NEC Corporation (TBC); Masanao Shinohara, Professor, University of Tokyo; Jean Godeluck, Senior Consultant, Aqest; John Flynn, Teledyne; Patrice Le Roux, Alcatel-Lucent; Masuo Suyama, Fujitsu; Yoshiyuki Inoue, Fujitsu; Alain-Paul Leclerc, AXIOM; Jean-Baptiste Thomine, AXIOM; Eric Carbonnelle, AXIOM; Guillen Lopez, Nexans; Katsuyoshi Kawaguchi, JAMSTEC Jamstec and others added as needed</p>
<p>Write up requirements specification for the interface of sensors with cable networks.</p>	<p>Estimated effort: 2-4 months</p>
<p>Build wet demonstrator.</p>	<p>Estimated effort: 1-2 years</p>

3. Business model

<p>Chair: (TBD)</p> <p>Co-chair: Steve Dawe, Vodafone John Mariano, David Ross Group</p>	<p>Members: Dieter Sieber, Consultant; Geoffroy De Dinechin, Vice President Operations, FT Marine, France Telecom (TBC); Paul Holthus, Executive Director, World Ocean Council (WOC); Mark Englund, Managing Director of Business Development, TE SubCom; Motoyoshi Tokioka, NEC Corporation; Will Hahn, Gartner Inc.; and others added as needed Khaled N. Sedrak, NxtVn Group</p>
<p>Write up an overview document to cover the following aspects:</p> <ul style="list-style-type: none">▪ Costs and revenue models; ballpark figures▪ Fixed, variable and operational cost analysis▪ Opportunity cost analysis (new systems vs retired systems; comparison with costs/investments of other systems)▪ Risk analysis (including permit risks)▪ Costs to go from wet demonstrator to commercial product▪ Cost of cable removal▪ Identification of potential stakeholders (including existing observatories)▪ Value proposition to possible stakeholders▪ Time scale.	

4. Legal	
<p>Chair: Tara Davenport, National University of Singapore (NUS)</p>	<p>Members: Douglas R. Burnett, Squire, Sanders & Dempsey (US) LLP and Legal Advisor of ICPC (TBC); Vladimír Jareš, Senior Legal Officer, UN Office of Law and Sea (DOALOS) (TBC); Anastasia Strati, Expert for the Law of the Sea, Ministry of Foreign Affairs of Greece (TBC); Guillaume Le Sourd, Geographic Information Systems Officer, Division for Ocean Affairs and the Law of the Sea, Office of Legal Affairs, UN Office of Law and Sea (DOALOS) (TBC); Tullio Treves, International Tribunal for the Law of the Sea (TBC); Alfred Soons, Netherlands Institute for the Law of the Sea, Utrecht University School of Law (TBC); Tullio Scovazzi, University of Milan (TBC); Irini Papanicopolulu, University of Milan (TBC) and others added as needed</p>
<p>Write up guiding legal principles (including deployment in EEZ and data ownership/management).</p>	

5. Publicity, awareness and marketing	
<p>Chair: Kate Panayotou, GHD</p> <p>Co-chair: (TBD)</p>	<p>Members: John Mariano, David Ross Group; Motoyoshi Tokioka, NEC Corporation; Albert Fischer, UNESCO-IOC; and others added as needed</p>
<p>Develop a concept note/power point presentation/promotional material for different audiences (including generic audience).</p>	
<p>Promote the ITU/WMO/UNESCO-IOC reports.</p>	