

## Progress in Preparing a Draft 10-Year Research, Development, and Implementation Plan for Ocean Decade Tsunami Programme (2021-2030)

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In December 2017, the United Nations General Assembly adopted the 'United Nations Decade of Ocean Science for Sustainable Development (2021-2030)' resolution. It aims to significantly advance several research and technology development areas with a view to generating six societal outcomes (Ryabinin *et al.*, 2019) including 'A Safe Ocean'. In June 2021, the Intergovernmental Oceanographic Commission (IOC) General Assembly established the 'Ocean Decade Tsunami Programme' (ODTP). The IOC also established the Scientific Committee (SC) as an advisory. The Working Group on Tsunamis and Other Hazards related to Sea Level Warning and Mitigation Systems (TOWS-WG) will act as the global steering committee of the ODTP. The implementation or coordination of roles for the regional aspects of the programme will be performed by four Intergovernmental Coordination Groups (ICGs). The SC has an advisory role to TOWS-WG for the duration of the ODTP.

Members (two-year terms, renewable) of the SC are nominated by the TOWS-WG and each of the TOWS-WG Task Teams. It currently consists of 11 members (including the Chairperson S. K. TUMMALA) from 10 countries. The initial task of SC is to develop the Draft 10-Year Research, Development, and Implementation Plan for ODTP (Draft 10-Year Plan) for endorsement by the TOWS-WG.

The committee has been preparing for the draft implementation plan by holding meetings in February and June 2022. It has extracted key issues on each area as follows: tsunami risk knowledge; monitoring, detection, and analysis and forecasting of tsunamis; warning dissemination and communication, preparedness, and response capabilities. The Draft 10-Year Plan will be promoting to advancing the monitoring, detection, analysis, and prediction of tsunamis, including those generated by non-seismic sources. The plan will include focus areas related to tsunami warning capabilities, such as the ITU/WMO/UNESCO-IOC Joint Task Force SMART Subsea Cables effort and collaboration with the Nippon Foundation-GEBCO Seabed 2030 project. The Draft 10-Year Plan will improve the societal outcome (A Safe Ocean) of the Ocean Decade with the aim of making 100% of the communities at risk of tsunami prepared for and resilient to tsunamis by 2030 through the implementation of the UNESCO/IOC Tsunami Ready Programme and other initiatives.

Once the first draft is compiled, it will be made available to the member states of the IOC, scientific communities, and other stakeholders for comments. A final draft will be compiled by the committee on the basis of the collected opinions. Thereafter, the approval procedure will commence in IOC.

## References

Ryabinin, V., *et al.* (2019): The UN Decade of Ocean Science for Sustainable Development. *Front. Mar. Sci.* 6:470. doi:10.3389/fmars.2019.00470