**Tsunami Generated by Volcanoes**

Actions taken by the Working Group on Tsunamis and Other Hazards Related to Sea-Level Warning and Mitigation Systems (TOWS-WG-XV) at its Fifteenth Meeting (Online, 24–25 February 2022)

**BACKGROUND:**

The TOWS-WG Team on Atypical Tsunami Sources (ATS) submitted its final draft report to the 15th Session of the TOWS-WG for publication as an IOC Technical Manual. The report identified seven types of tsunami sources related to volcanoes and efforts by some ICGs in the area of volcano generated tsunamis. There are at least 100 volcanoes with the potential to generate tsunamis. The recent Hunga-Tonga Hunga Ha‘apai (HTHH) volcanic eruption and tsunami event highlighted urgency to undertake further work. More work should be undertaken to provide guidelines utilizing current best practices to help national monitoring agencies and NTWCs develop Standard Operating Procedures (SOPs) to monitor and warn for non-seismic tsunamis.

**TOWS-WG-XV, ANNEX II****: DECISIONS AND RECOMMENDATIONS**

**The Group decided** to establish an Ad Hoc Team on Tsunamis Generated by Volcanoes chaired by Dr Francois Schindele with ToR:

1. Confirm the list of tsunami sources related to volcanoes and volcanic eruptions,
2. Complete the list of potential threat volcanoes,
3. Identify methodologies to monitor and detect volcanic sources of tsunami,
4. Review relationship required between TSPs/NTWCs and Volcanic Ash Advisory Centres (VAACs) and other relevant agencies to monitor and warn for volcano generated tsunamis,
5. Develop guidelines on SOPs to monitor, detect and warn for any the induced tsunami waves.

*The Ad Hoc Team is organizing its activities through email exchange and virtual meetings. The Team will submit a written report to the TOWS-WG Task Team on Tsunami Watch Operations for its next session (February 2023). UNESCO and IOC considers that the monitoring and forecast of tsunamis generated by sources other than earthquakes should be a priority of the UN Decade 2021 - 2030. The report of the Ad Hoc Team will be an IOC contribution to the UN Decade.*

**MEMBERS:**

Dr François Schindelé , Chair, (International Tsunami expert , past Head of CPPT ( French Polynesia), CENALT (France))

Dr Laura Kong (Director International Tsunami Information Center - USA)

Dr Raphaël Paris (Volcanologist, University of Clermont Ferrand - France)

Dr Maurizio Ripepe (Seismologist, University of Florence - Italy) – Stromboli EWS

Dr Vasily Titov (Tsunami Modeler, NOAA-PMEL – USA)

**MEETINGS TO DATE (6 September 2022)**

Meeting 1: 6 April 2022

Meeting 2: 15 June 2022

Meeting 3: 7 September 2022