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## **3.3 TOWS- WG Report**

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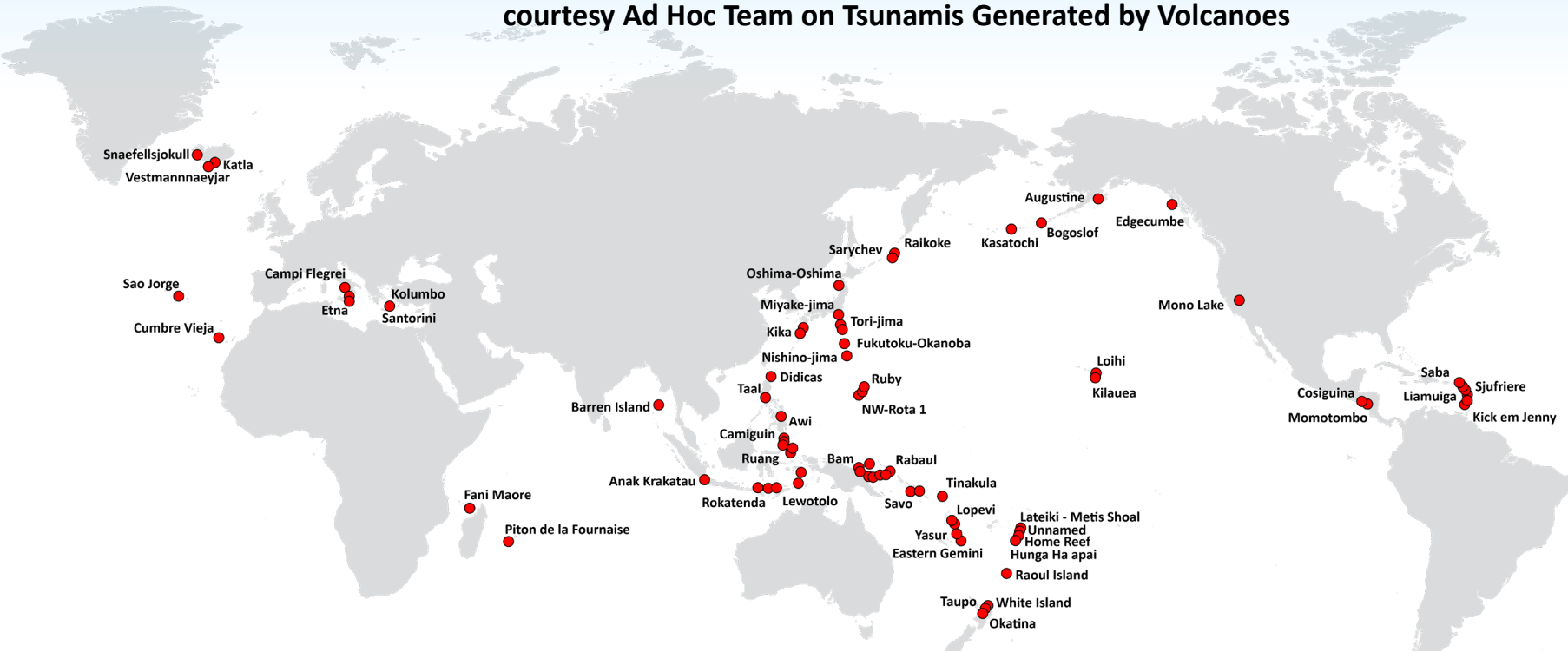
**ACKNOWLEDGMENTS:**

**B. Aliaga**

**Head of the IOC Tsunami Resilience Section**

# TSUNAMIS GENERATED BY VOLCANOES

MAP OF POTENTIALLY TSUNAMIGENIC VOLCANOES  
courtesy Ad Hoc Team on Tsunamis Generated by Volcanoes



## CHALLENGES

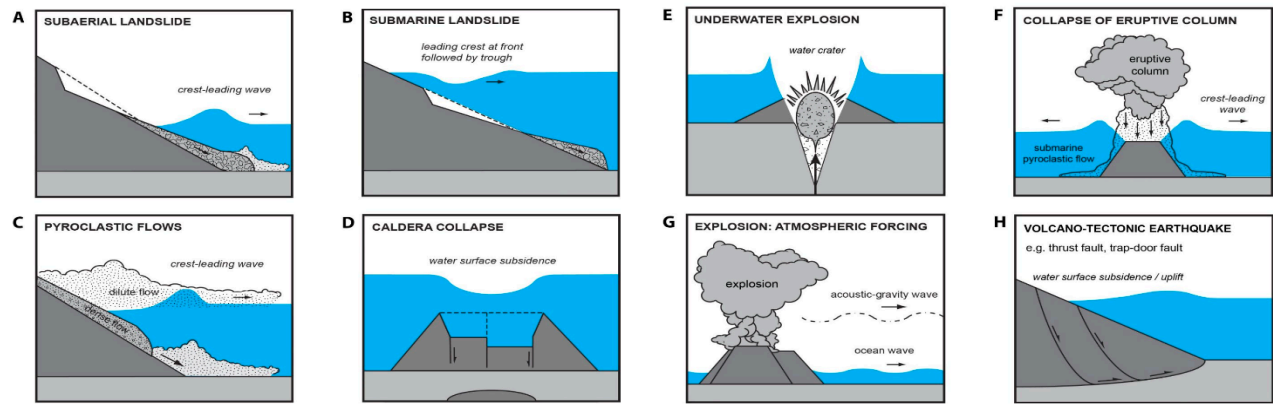
- The source of a tsunami observed during an eruption is often difficult to characterize
- All source mechanisms have different characteristics in terms of location, duration, volume, mass flux, and energy, which have consequences on the wave generated

## WHAT'S NEXT?

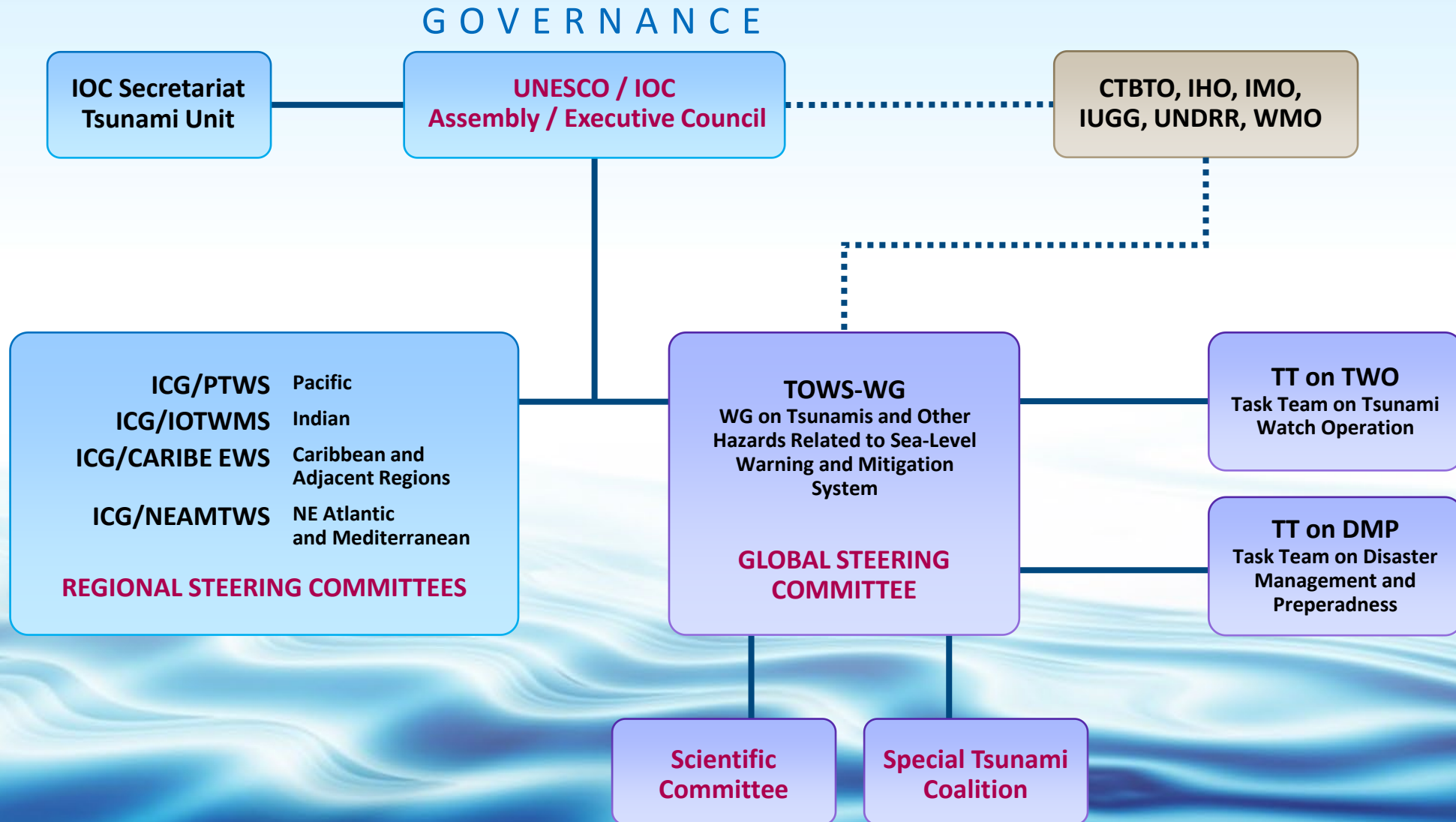
- To make a list of the volcano observatories that monitor and warn of volcanoes that may generate tsunamis
- To send to the volcano observatories a specific questionnaire on the issue
- To develop best practice guidelines of how to warn communities at-risk of the threat from tsunamis generated by volcanic related sources
- To increase public awareness for tsunamis generated by volcanic phenomena and earthquakes

### TSUNAMIS GENERATION MECHANISMS BY VOLCANO ACTIVITY AND INSTABILITY

updated from Paris et al., 2014



# UN OCEAN DECADE TSUNAMI PROGRAMME



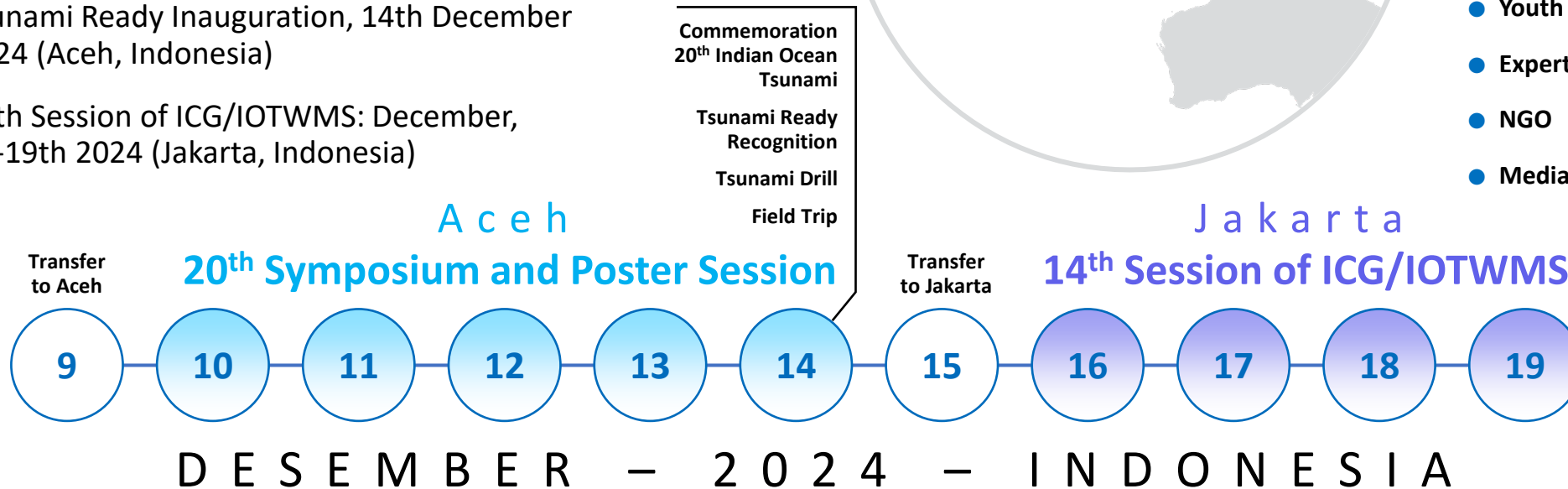
# SYMPOSIUM TO COMMEMORATE THE 20th ANNIVERSARY OF THE 2004 INDIAN OCEAN TSUNAMI

- Symposium and Poster Session: 10-14th December 2024 (Aceh, Indonesia)
- The Commemoration day of the 20th Anniversary of the 2004 Indian Ocean Tsunami, 14th December 2024 (Aceh, Indonesia)
- Tsunami Drill and Field Trip to Tsunami Aceh Museum, and Tsunami Ready Community Village in Aceh, 14th December 2024 (Aceh, Indonesia)
- Tsunami Ready Inauguration, 14th December 2024 (Aceh, Indonesia)
- 14th Session of ICG/IOTWMS: December, 16-19th 2024 (Jakarta, Indonesia)



## INVITED PARTICIPANTS OF THE SYMPOSIUM

- Countries with lives lost and/or being severely impacted by the 2004 Indian Ocean Tsunami
- Member States of ICG and potentially global
- Youth Organization
- Expert/University
- NGO
- Media





# KEY RECOMMENDATIONS (1/2)

THE TOWS-WG RECOMMENDED THE IOC ASSEMBLY AT ITS SESSION IN 2023:

**to decide**

**that warning systems for tsunamis generated by volcanoes should be considered and coordinated as part of the UNESCO/IOC Global tsunami and other Ocean-related Hazards Warning and Mitigation System (GOHWMS), and also when possible be part of a MHEWS**

**to endorse**

**the 10-Year Research, Development and Implementation Plan of the Ocean Decade Tsunami Programme as presented in document IOC- 32/3.4.1.2.Doc(1)**

**to encourage**

**Member States to provide voluntary financial contributions to the IOC special account and in-kind contributions to support the Ocean Decade Tsunami Programme and UNESCO/IOC Tsunami Ready Recognition Programme**

## KEY RECOMMENDATIONS (2/2)

THE GROUP RECOMMENDED THE IOC ASSEMBLY AT ITS SESSION IN 2023  
TO INSTRUCT THE REGIONAL ICGS (AMONG OTHERS):

to encourage

sea level data is sampled at one second intervals and with the highest available accuracy and transmitted in real-time as a matter of priority

add

the task to the Terms of Reference of the ICGs and TICs to facilitate the implementation and functioning of the UNESCO/IOC Tsunami Ready Recognition Programme

add

the role of ICGs as regional Steering Committees for the ODTP in their Terms of Reference

THANK YOU FOR ATTENTION!  
QUESTIONS? COMMENTS?

