

# *South Africa*



**unesco**

Intergovernmental  
Oceanographic  
Commission



Webinar:  
**Lessons Learnt during  
Exercise IOWave 2025**

**16 - 17 December 2025**

***Mr. Mark van Staden***  
*National Disaster Management Centre*  
*Markv@ndmc.gov.za*

# Scenarios Exercised

---



Sunda Trench (25 Sept)



Makran Trench (15 Oct)



Fani Maore Volcano (25 Oct)



Sumatra Trench (05 Nov)



**South African  
Weather Service**



**Council for Geoscience**

# Exercise Participants

---



- **Desktop Exercise**

- *National Disaster Management Centre*
- *Council for Geosciences*
- *South African Weather Services*



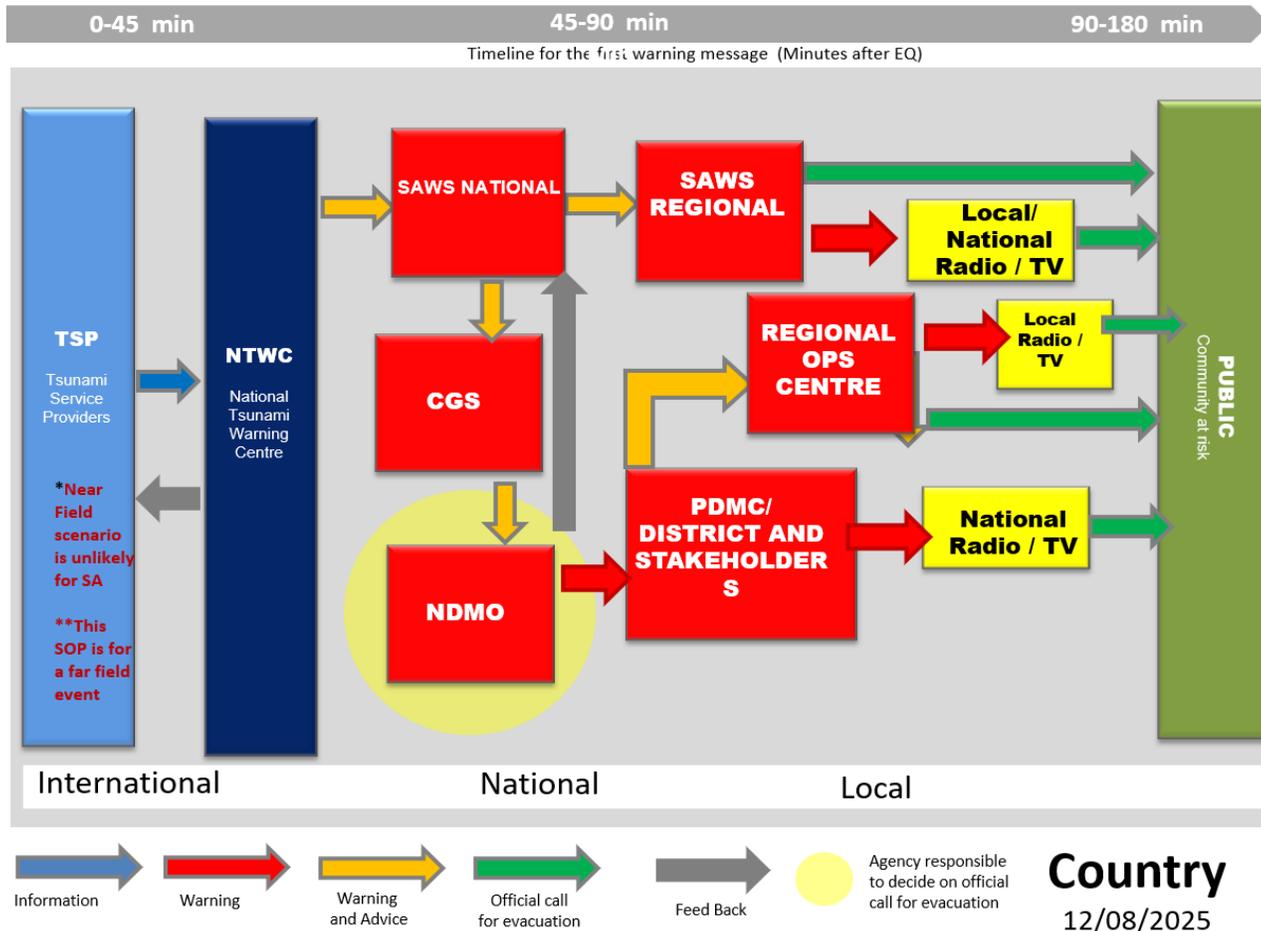
**South African  
Weather Service**



**Council for Geoscience**

# National Tsunami Warning & Mitigation System

## Tsunami Warning Chain: South Africa



1. South Africa's SOP review in 2025 indicated several areas of deficiency or improvement.
2. The current SOP addresses this from the following perspective:
  1. Revised the links to improve the flow of information between entities.
  2. Established the timeline for a far field event.
  3. Defined the different roles for each entity within the warning chain.
  4. Included the local media chain for dissemination.
  5. Defined the type of event and stipulated the timeline according.
  6. Indicated the agency responsible for disseminating the official warning.
  7. Included all provincial and local disaster management centers responsible for response

# National Organisation of Exercise IOWave25

---



## ***How was it prepared?***

*Early briefing sessions between stakeholders to outline expectations, the roles and responsibilities.*

## ***How was it executed?***

*MS Teams of Stakeholders where data and message verifications took place, tools and findings were discussed and evaluated and consensus on warning levels were reached.*

## ***How did you evaluate the exercise?***

*Very Good, the exercise achieved what was set out to achieve – testing the procedures, roles and responsibilities defined in the SOP.*

***Was the exercise used to evaluate Tsunami Ready or similar indicators in your country?***

No

# Lessons Learnt

**What worked well? And what are the areas of improvement?**

*Institutional Arrangements*

*Clarity of Messages*

*Tools Access*

*Flow of Information / Communication Protocols*

*Wider inclusion of local actors*

*Identification and profiling of exposed communities / assets*

	Bulletins	Coastal Zone Threat Map	Threat Table	Maximum Amplitude Map	Tsunami Travel Time (TTT) Map		GTS	Email	SMS
TSP Australia	YES	YES	YES	YES	YES	TSP Australia	yes	yes	yes (but only for one recipient for Scenario 4)
TSP India	YES	YES	YES	YES	YES	TSP India	yes	yes	no
TSP Indonesia	YES	YES	YES	YES	YES	TSP Indonesia	yes	yes	no

**How can more at-risk communities be involved in future exercises?**

*Quantification and Communication of Risk*

*Simulation and Evacuation exercises*

# Images

---



**Please insert 2-3 photos representing the activity of the warning system and community participation in Exercise IOWave25 in your country**

*Please provide a caption to explain each photo*



**THANK YOU**