

# RESULTS OF THE SURVEY

## II.3. AWARENESS, PREPAREDNESS AND RESPONSE

2025 UNESCO-IOC ICG/PTWS National Report on Capacity Assessment of Tsunami Preparedness

**SURVEY INFORMATION AND QUESTIONS**

Background information on the Tsunami Preparedness Capacity Assessment in the Pacific Ocean is provided in the online survey questionnaire. The survey questionnaire is available in English and Spanish. The survey questionnaire is also provided together with the set of survey questions prepared for this assessment. The list of the survey is also provided in English and Spanish. The questions of the survey are provided both in English and Spanish, responses would be accepted in either language. While the questions of the survey are provided both in English and Spanish, responses would be accepted in either language. While the questions of the survey are provided both in English and Spanish, responses would be accepted in either language.

The Tsunami National Contacts (TNCs) are requested to coordinate the completion of the online survey questionnaire with other national stakeholders involved in end-to-end tsunami early warning and mitigation within their respective countries. Considering the importance of this survey, all Member States are requested to complete the survey questionnaire by 04 March 2025 (UTC).

Part	Topic of the Survey	Stakeholder Inputs
I	<b>Basic Information:</b> TNC/NTWC/PTWP contact details	Tsunami National Contact
II	<b>Risk Assessment &amp; Reduction:</b> Hazard assessment, Risk Assessment, Policies, Plans, Guidelines	Inputs to be obtained from Management Office and agency responsible for Assessment in the Country
III	<b>Detection, Warning and Dissemination</b>	Inputs to be obtained from Tsunami Warning Center and agency responsible for dissemination of tsunami within the country.
IV	<b>Public Awareness, Preparedness &amp; Response:</b> SOPs, Evaluation, Tsunami exercises, Public Awareness	Inputs to be obtained from Management Office responsible for preparedness, at National Contact Point (TRRP), if agencies responsible for other similar activities
V	<b>Tsunami Ready Recognition Programme (TRRP)</b>	Inputs to be obtained from National Contact Point (TRRP), if agencies responsible for other similar activities
VI	<b>Narrative:</b> Important recent developments and summary of future plans.	Tsunami National Contact

Responses to this survey need to be coordinated, compiled, and submitted by each Member State. The survey has six (6) distinct parts, as presented below, and each part requires information from different stakeholders based on their national responsibility in the end-to-end system complete of Alert of Tsunami and System of Mitigation.

**INFORMACIÓN Y PREGUNTAS DE LA ENCUESTA**

Los antecedentes sobre la evaluación de Capacidad de Preparación ante Tsunami en el Océano Pacífico son entregados por la carta circular de la COI 24.113 según lo dispuesto en el Anexo A a la CL-3027. A continuación, se encuentra una descripción general de la encuesta entregada, junto a el conjunto de preguntas preparadas para esta evaluación. Mientras que las preguntas son entregadas tanto en inglés como español, las respuestas serán aceptadas en cualquiera de los dos idiomas. Mientras que las preguntas son entregadas tanto en inglés como español, las respuestas serán aceptadas en cualquiera de los dos idiomas. Mientras que las preguntas son entregadas tanto en inglés como español, las respuestas serán aceptadas en cualquiera de los dos idiomas.

Los Contactos Nacionales de Tsunami (CNT) deberán coordinar la respuesta del cuestionario en línea, bajo consulta de los órganos involucrados en los procesos de alerta temprana y mitigación en su país. Considerando la importancia de esta encuesta, los Estados Miembros deberán completarla hasta el 04 de marzo 2025 (UTC).

Parte	Tema de la encuesta	Aportes de los organismos involucrados
I	<b>Información Básica:</b> Datos de contacto	Contacto Nacional de Tsunami
II	<b>Evaluación y Reducción de Riesgo:</b> Evaluación de la Amenaza, Evaluación del Riesgo, Políticas, Planes, Directrices	Aportes obtenidos desde la Oficina de Manejo de Emergencias y/o cualquier otra agencia responsable de la evaluación de Amenaza/Riesgo en el país.
III	<b>Detección, Aviso y Difusión</b>	Aportes obtenidos desde el Centro Nacional de Tsunami y/o cualquier otra agencia responsable de la generación y difusión de alerta temprana de Tsunami al interior del país.
IV	<b>Respuesta:</b> Procedimientos Operativos Estándar (SOP) por sus siglas en inglés), Evacuación, Ejercicios de Tsunami, Concentración Pública	Aportes de la Oficina de Manejo de Emergencias y/u otras agencias responsables de la concientización del público, preparación y respuesta en el país.
V	<b>Programa de Reconocimiento Tsunami</b>	Aportes obtenidos del Contacto Nacional de Tsunami, Punto Focal Tsunami Ready (PFTR) por sus siglas en inglés) si esta identificado y/u otras agencias responsables del Programa de Reconocimiento Tsunami Ready u otra iniciativa similar en el país.
VI	<b>Desarrollos recientes importantes y resumen de planes futuros.</b>	Contacto Nacional de Tsunami

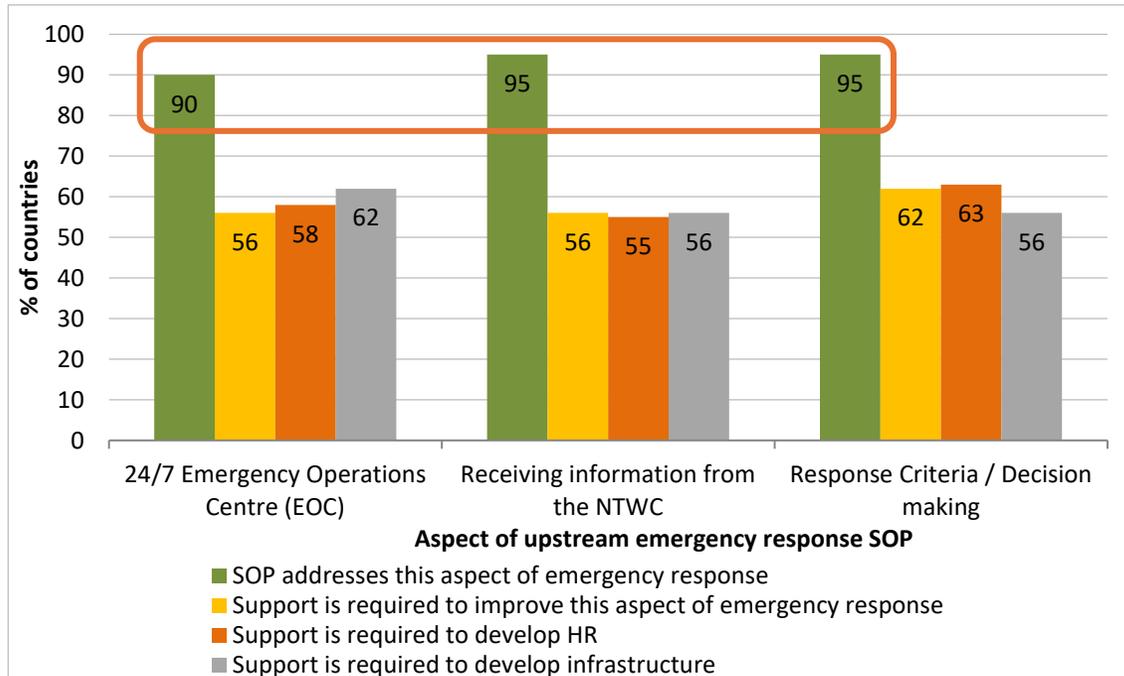
## EMERGENCY RESPONSE DURING UPSTREAM STAGES

Does your SOP address this aspect of tsunami emergency response? Answered: 39 Skipped: 0

Is support required to develop/improve this aspect of tsunami emergency response in your SOP? Answered: 39 Skipped: 0

Is support required to develop Human Resources in this aspect of tsunami emergency response? Answered: 38 Skipped: 1

Is support required to develop infrastructure for this aspect of tsunami emergency response? Answered: 39 Skipped: 0



- Each aspect addressed by  $\geq 90\%$  of the countries
- However, support to develop these aspects still needed by 56–62% of the countries
  - 55–63% in human resources
  - 56–62% in infrastructure

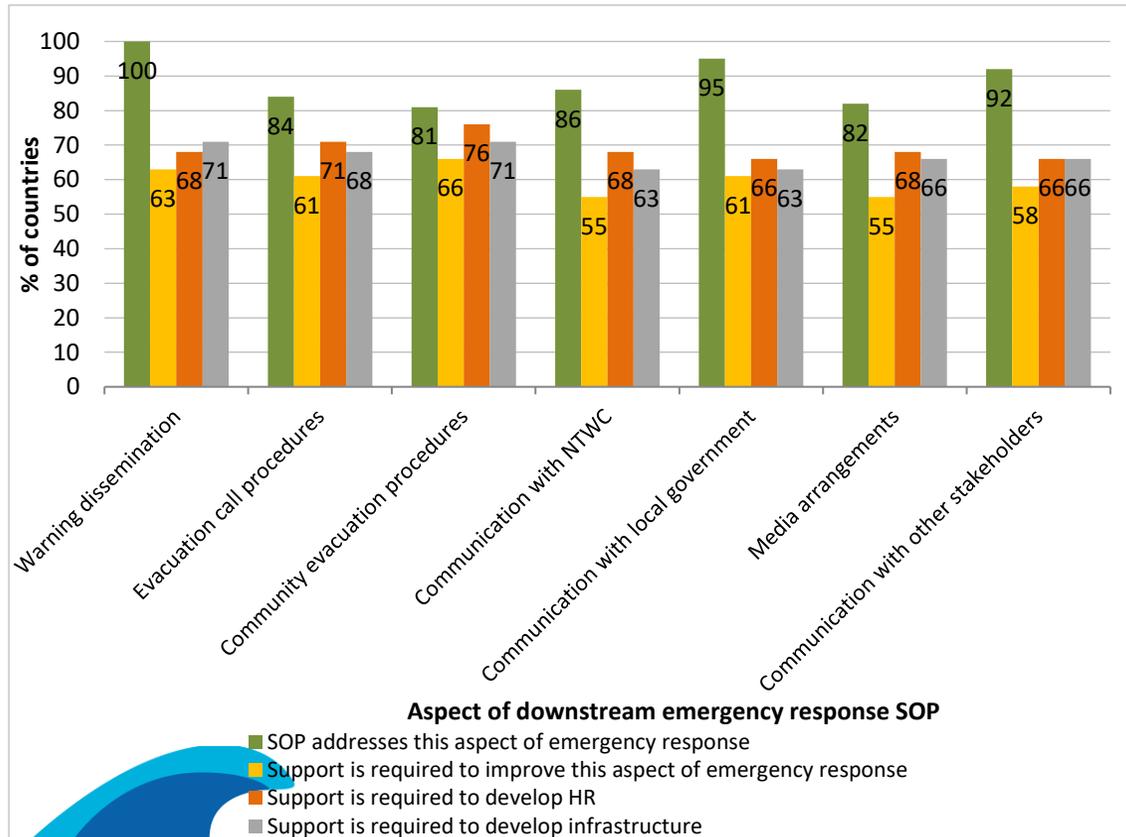
## EMERGENCY RESPONSE DURING DOWNSTREAM STAGES

Does your SOP address this aspect of tsunami emergency response? Answered: 38 Skipped: 1

Is support required to develop/improve this aspect of tsunami emergency response in your SOP? Answered: 38 Skipped: 1

Is support required to develop Human Resources in this aspect of tsunami emergency response? Answered: 38 Skipped: 1

Is support required to develop infrastructure for this aspect of tsunami emergency response? Answered: 38 Skipped: 1



- Each aspect addressed by  $\geq 80\%$  of the countries
- However, support to develop these aspects still needed by 55–66% of the countries
  - 66–71% in human resources
  - 63–71% in infrastructure

## SHARING WITH ITIC AND OTHER COUNTRIES

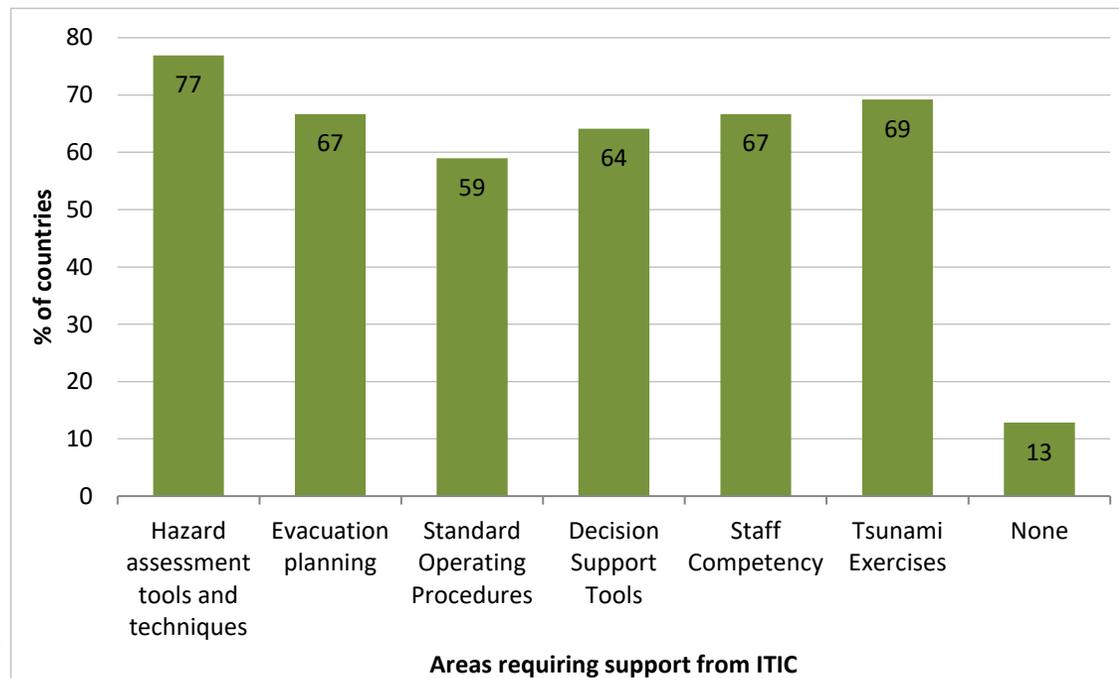
11c) Would your country be willing to share your SOPs with the ITIC and other countries?

Answered: 38 Skipped: 1

- Willingness to share SOPs with ITIC and other countries for 95% of the countries (36)

11d) Indicate any areas in which you require support from the ITIC to develop or conduct capacity development activities.

- 59% need ITIC support to consolidate and/or update SOPs among other topics

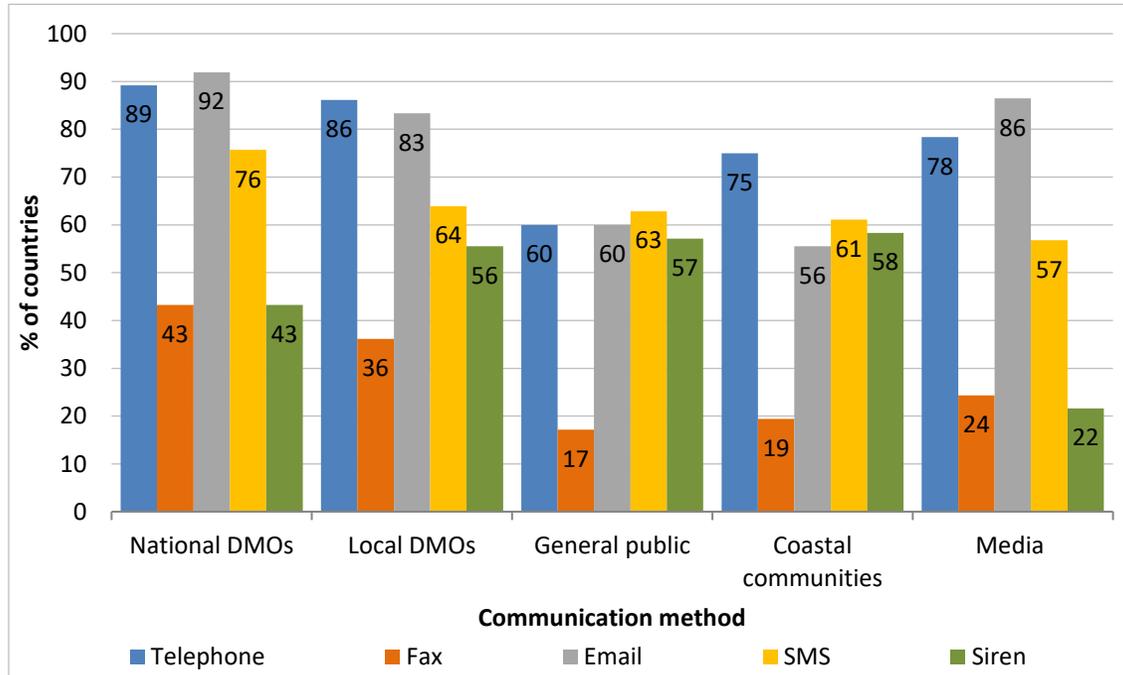


Answered: 39 Skipped: 0

- Other: linkages, development of community SOP / EOP, non-seismic tsunami detection, and tsunami minimum competency requirements and standards
- Proposition by 1 country to help ITIC to translate documents and guidelines into French

## COMMUNICATION METHODS FOR EMERGENCY RESPONSE

10b) For each Disaster Management Office listed below, which communication methods for emergency response are available?



Answered: 37 Skipped: 2

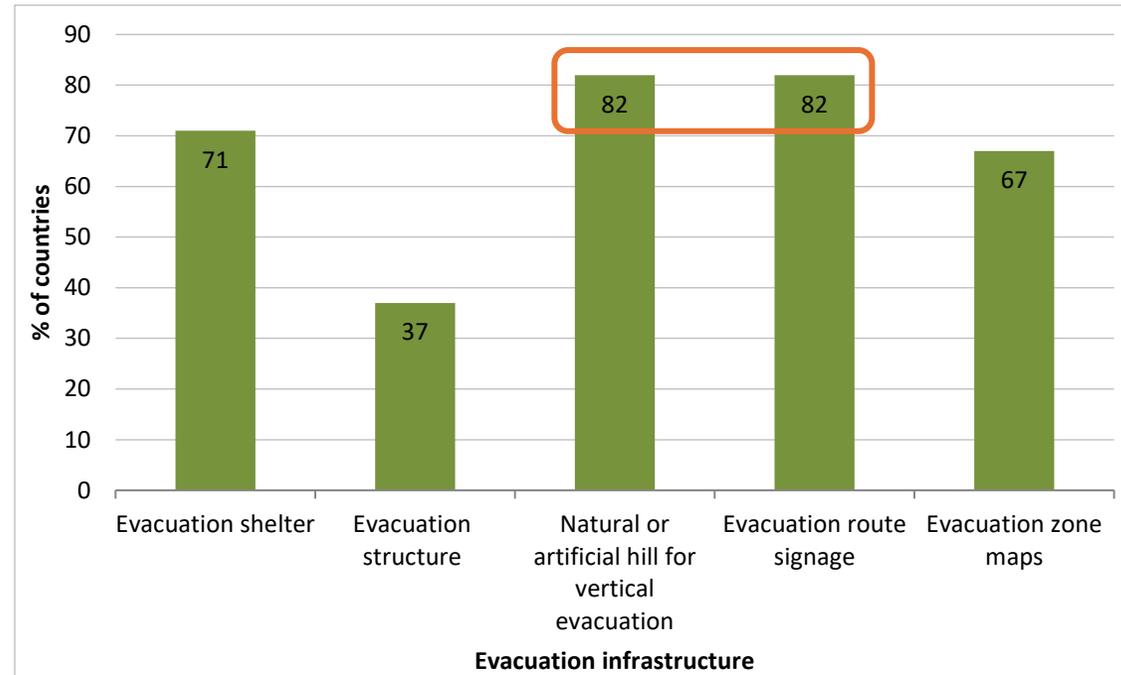
- SMS, telephone and Email most widely used
- Sirens = complementary communication method for coastal communities and general public
- Fax still used but at lower range
- Other: warning tower system, manual warning equipment in villages, computer-computer communication, telegram, satellite phones, Marine VHF radio, radio broadcast, dedicated mobile applications, cell broadcast alert systems, TV broadcast, websites, and social media



# EVACUATION INFRASTRUCTURE

## AVAILABILITY

12a) Does your country have the following evacuation infrastructure?



Answered: 39 Skipped: 0

## INTEGRATION IN EVACUATION PLANS

12b) Is your evacuation infrastructure integrated in the evacuation plan?

Answered: 38 Skipped: 1

- Evacuation structures integrated in plans for 24 countries (63%)

# TSUNAMI EXERCISES (1/2)

## INTEGRATION IN DOCUMENTATIONS AND LEVEL

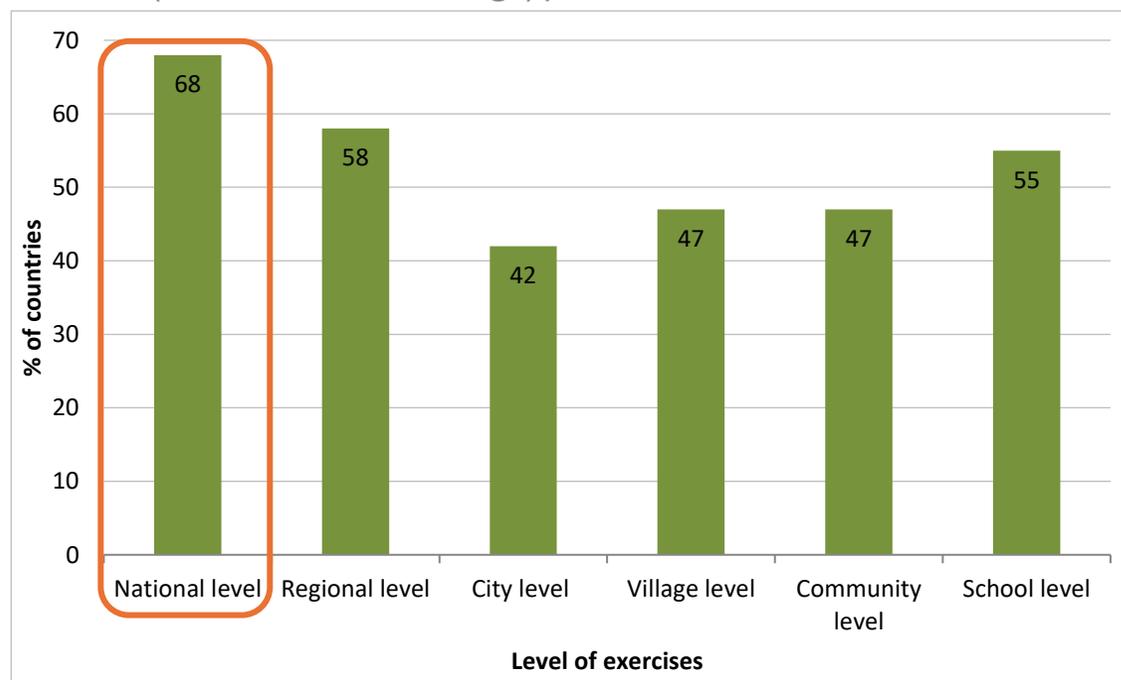
12c) Are tsunami exercises incorporated within national policies and guidelines?

Answered: 39 Skipped: 0

- In national policies – 17 countries (44%)
- In national guidelines – 22 countries (56%)
- Not included – 11 countries (28%)

12d) At what levels were the exercises conducted during the inter-sessional (between ICG meetings) period?

- Exercises conducted at multiple levels for 27 countries (71%)



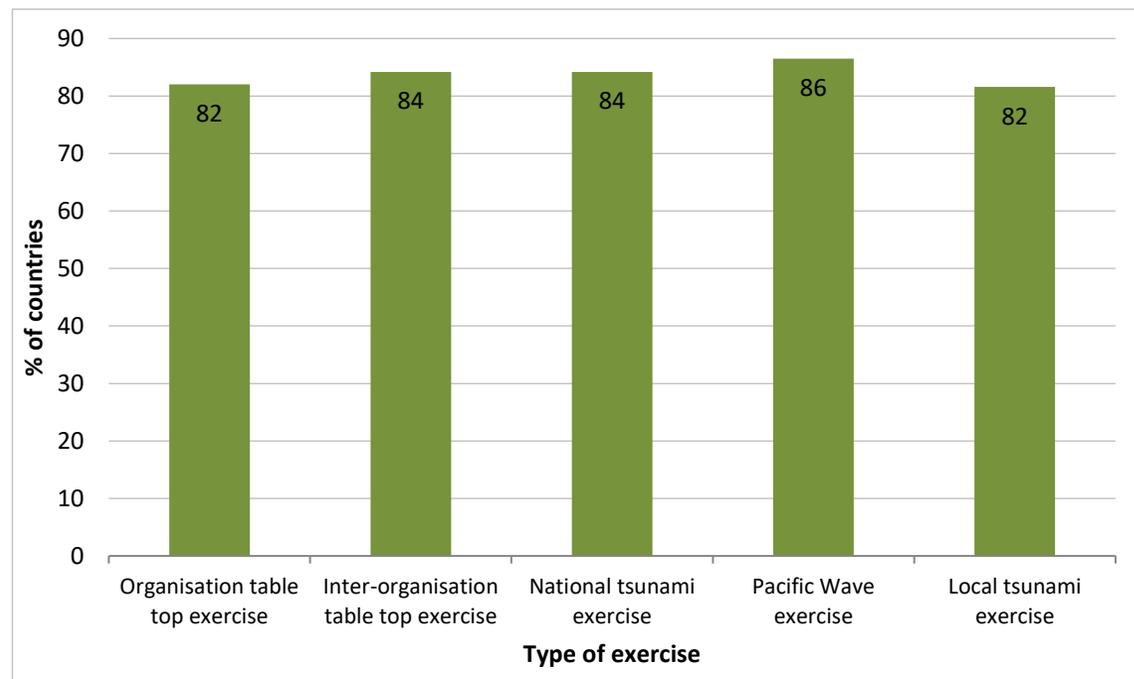
Answered: 38 Skipped: 1



# TSUNAMI EXERCISES (2/2)

## TYPES OF EXERCISES

12e) What kind of tsunami exercises activities have been undertaken in your country and how many times during the inter-sessional period?



Answered: 39 Skipped: 0

- At least two kinds of exercises undertaken by 35 countries (90%)
- No participation to any of the exercises by 1 country
- Annual frequency most common

13a) What kind of activities have been tested during your country tsunami exercise, and how many times during the inter-sessional period?

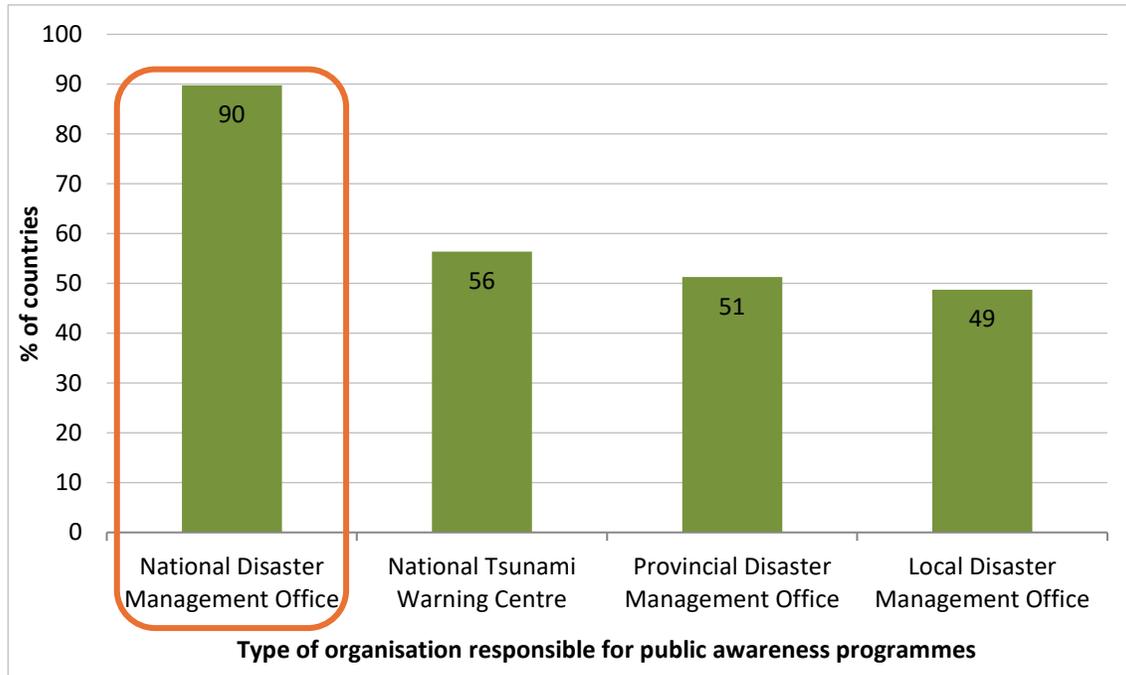
Answered: 39 Skipped: 0

- SOPs tested mostly annually by 87% of the countries
- Warning products dissemination tested mostly annually by 82% of the countries
- Backup operating procedures tested by 45% of the countries

# PUBLIC AWARENESS (1/4)

## ORGANISATION RESPONSIBLE

13b) Who is responsible for tsunami public awareness programmes in your country?



Answered: 39 Skipped: 0

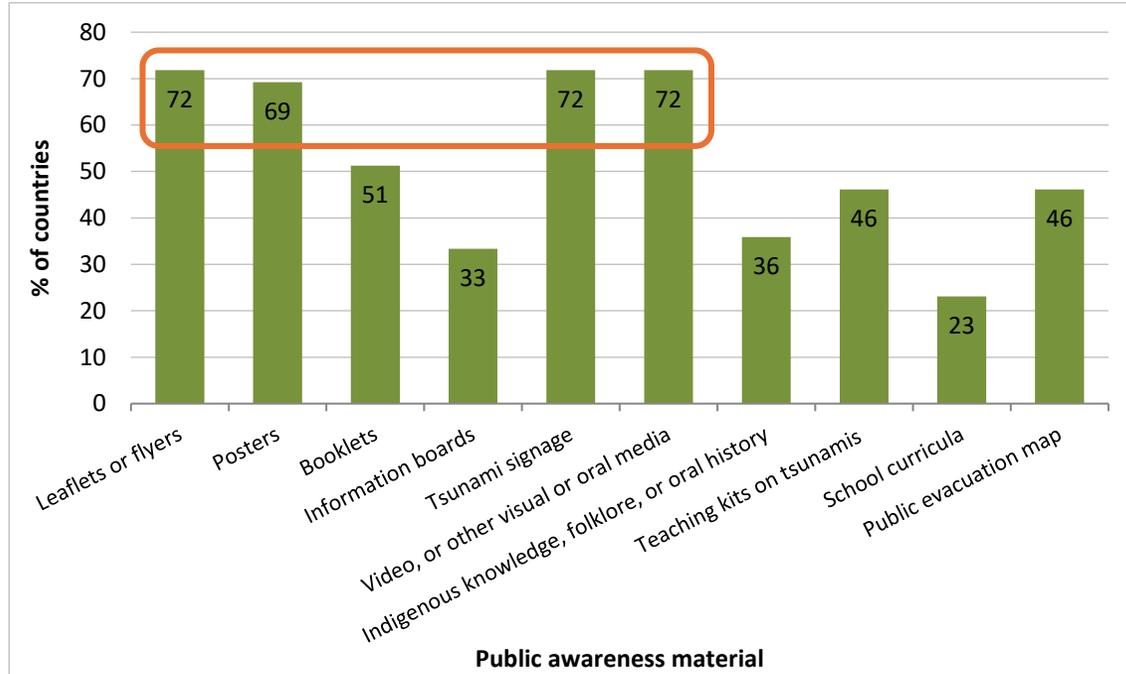
- NDMOs for 90% of the countries
- Shared responsibility between multiple organisations for 72% of the countries
- Other:
  - international organisations (e.g. IOM, UNDP)
  - non-governmental organisations (e.g. Red Cross)
  - community of practice and civil society
  - an advisory group involving all players of the end-to-end tsunami warning chain (coordination of national efforts)



# PUBLIC AWARENESS (2/4)

## TYPES OF MATERIALS

13c) What tsunami related education and awareness materials do you have?



Answered: 39 Skipped: 0

- Use of at least 2 communication tools by all countries (100%)
- Other: webpages, social media toolkits, tsunami tank exhibits, comics, online tsunami education resource

13d) Would your country be willing to share these education and awareness materials with the International Tsunami Information Centre (ITIC) and other countries?

Answered: 39 Skipped: 0

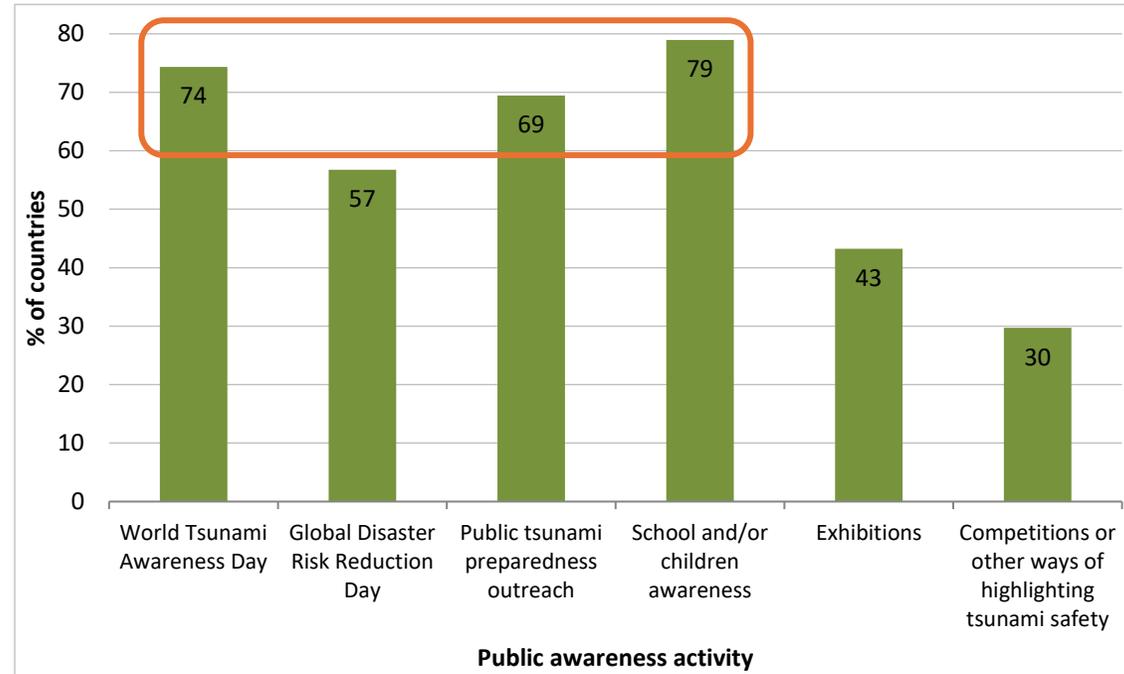
- Willingness of sharing their materials with ITIC and other countries by 36 countries (92%)



# PUBLIC AWARENESS (3/4)

## ACTIVITIES UNDERTAKEN

13e) Do you undertake the following tsunami awareness activities?



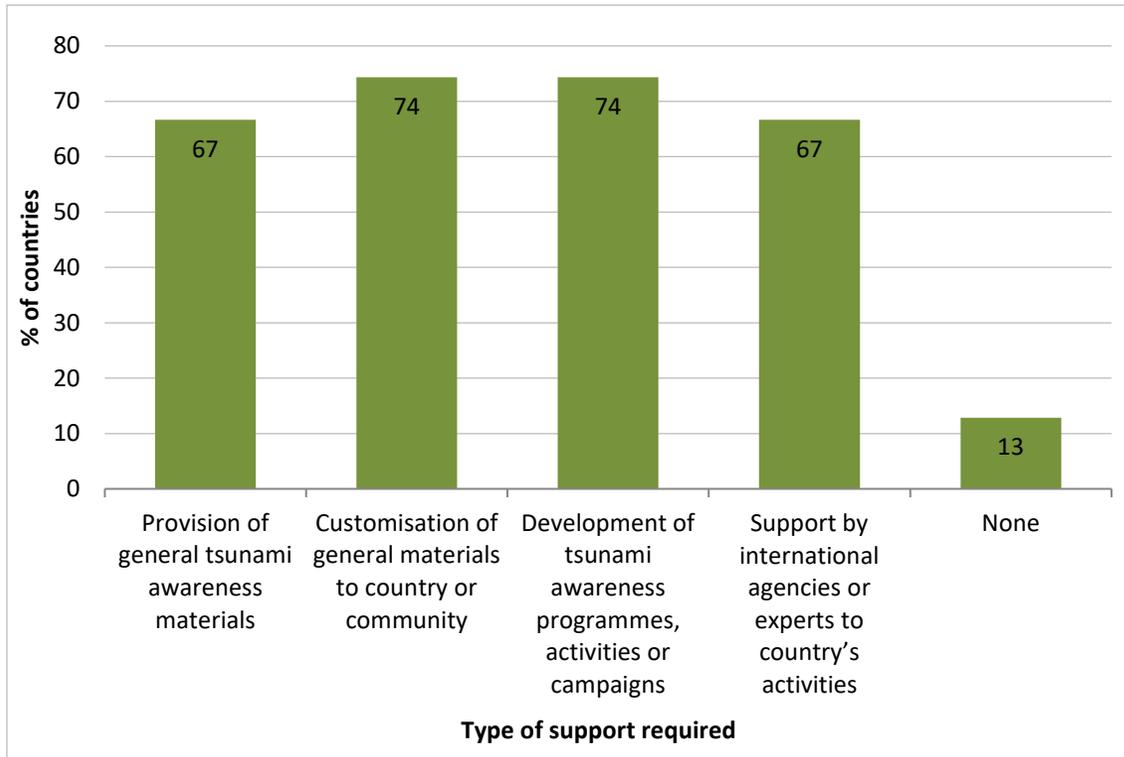
Answered: 39 Skipped: 0

- 3 countries (8%) conducted none of these activities



## SUPPORT FROM ITIC AND OTHER COUNTRIES

13f) Use the boxes below to indicate any areas in which you require support from the ITIC to develop or enhance public awareness in your country.



Answered: 39 Skipped: 0

- 5 countries declared not requiring any support (13%)
- Other: educational tsunami exercises, production of French materials, as well as a local language version, TRRP implementation guidelines for communities.

13g) Can your country offer support to other Member States to develop or enhance public awareness in their country?

Answered: 38 Skipped: 1

- Proposition of support by 53% of the countries, especially:
  - to provide consultation, human resources and technical assistance
  - to share relevant materials and resources
  - to improve monitoring and information dissemination
  - to conduct or support training activities, online talks, experience sharing, and lessons learned