



unesco

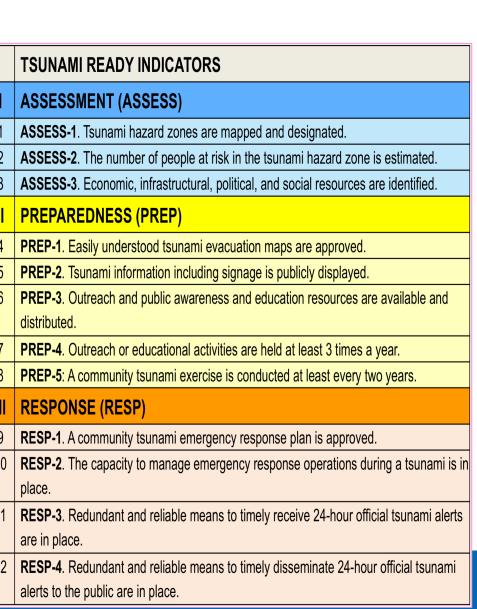
Intergovernmental Oceanographic Commission Response Indicators – How to achieve, challenges and solutions

7.3 Communications – Receive and Disseminate Alerts RESP 3 and 4

Dr. Laura Kong International Tsunami Information Centre (ITIC)

Tsunami Ready Indicators







Intergovernmental Oceanographic Commission





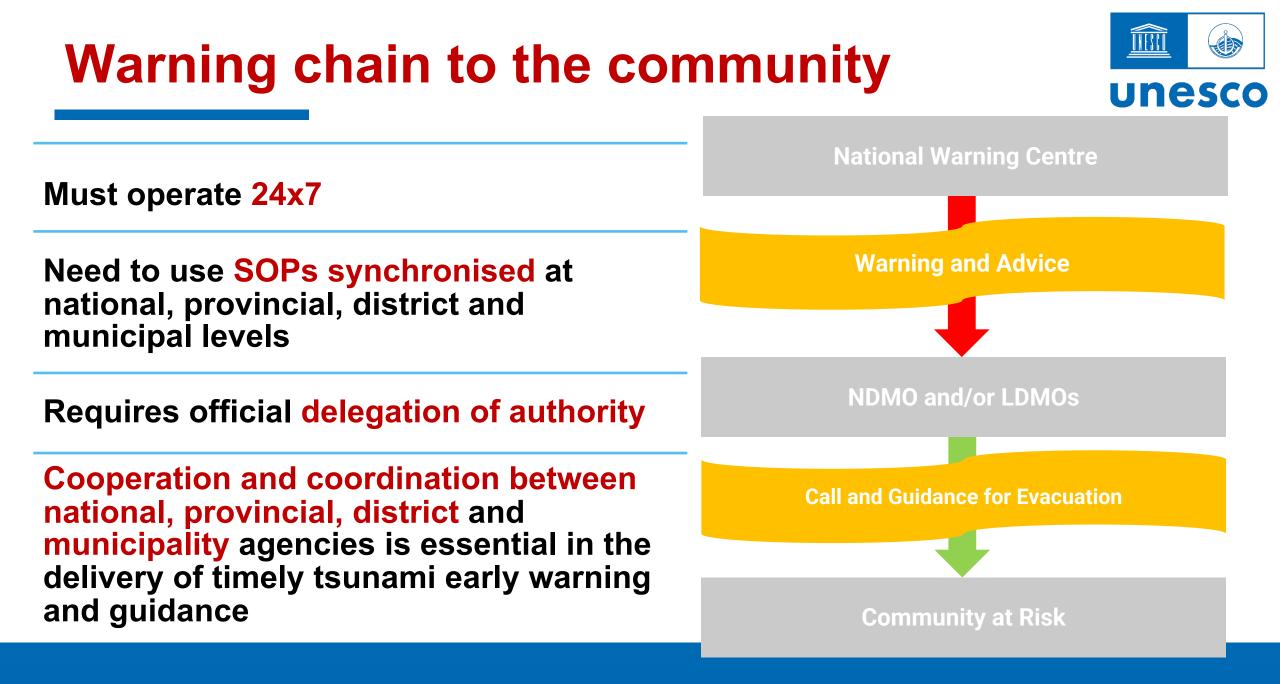
The community must be able to disseminate tsunami alerts to all its members

The means of dissemination will depend on the size of the community and the options that are already available to it, for example if it has a cyclone warning system

Need to consider and plan for disseminating alerts to target groups such as schools, hospitals, business premises and the public at large

There should be arrangements in place to disseminate alerts on a 24x7 basis, particularly in highly vulnerable communities

Issuing alerts to community members in the event of a local tsunami can be very challenging due to the possibility of damage to infrastructure and the short time between tsunami generation and the arrival of the first wave. Recognition of natural warning signs and preparedness to self-evacuate is important in such at-risk communities





1. What is the content of the local warning messages/guidance/advice?



- 2. Who are the target groups?
- 3. Which communication system should be used to reach each of the target groups?
- 4. What kind of agreements need to be established (e.g. with local media)?



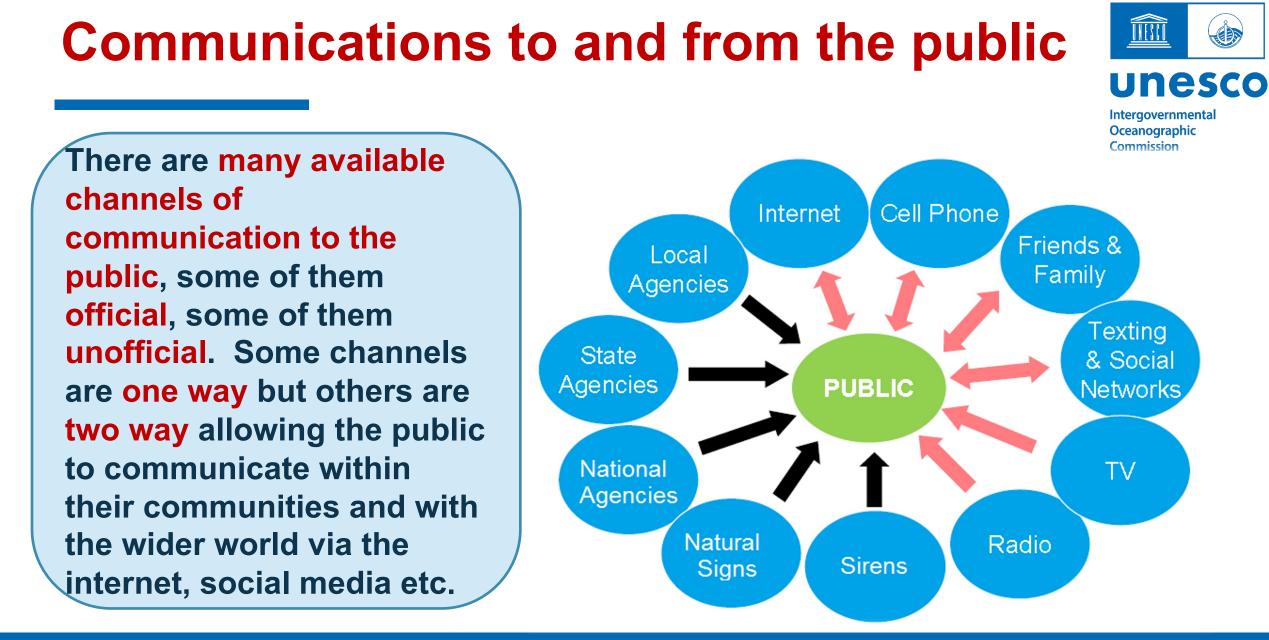
Target groups and how to reach them



Commission

- >The general public: traditional devices, loudspeakers (on mosques, churches etc), sirens, social media
- Local media: arrangements need to be in place to ensure the media understand their role and are able to disseminate correct information timely and accurately. Automatic fax, email direct communication be phone
- Local institutions and decision makers: establish links to all existing important local communication networks, VHF communication should be used wherever possible

Warning dissemination by the operators should be documented in clear step by step SOPs!



Alerts must be able to be disseminated from the 24-hour warning point and/or EOC through at least three methods



Commission

For the purposes of this indicator, the 24 hour warning point and/or the EOC (if activated) must be able to disseminate tsunami alerts through at least three of the following methods:

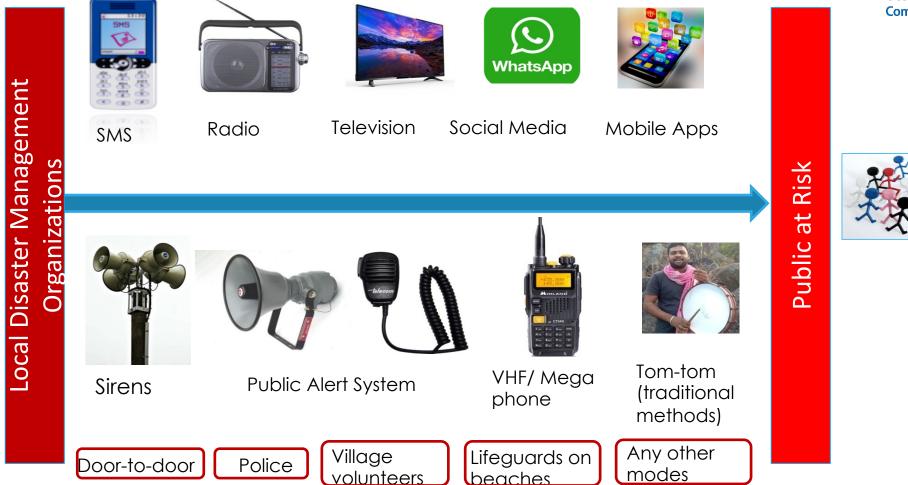
- Country Emergency Alert System (EAS) message initiation and broadcast
- Broadcast/Cable television audio/video overrides
- Local flood warning systems ideally with no single point of failure
- Plan for siren/megaphone notification on emergency vehicles
- Outdoor warning sirens
- Other local alert broadcast system

- Local pager/texting system
- Amateur radio operator network
- Telephone mass notification system
- Call out tree
- Coordinated jurisdiction-wide radio network
- Social media usage (Twitter, Facebook, WhatsApp, etc.)
- Lifeguards on beaches and on patrol

Redundant and reliable means to disseminate the tsunami alerts to the public unesco



Intergovernmental Oceanographic Commission



Summary of RESP-4



- The community must be able to disseminate tsunami alerts to all its members and sectors. The means of transmission will depend on the size of the community and the options already available to it
- Getting tsunami alerts to the community requires cooperation and coordination between national, provincial, district and municipality agencies and the synchronisation of SOPs at each level of the warning chain
- The target groups to reach are the general public, local media and local institutions and decision makers
- There are many media channels through which alerts can be disseminated and a minimum of three are required to achieve this indicator. Examples are sirens, local texting system, social media, television/radio interrupts, telephone mass notification system, amateur radio networks, and local traditional methods such as tomtom drums



THANK YOU Vinaka Vaka Levu

For more information: web: tsunamiready.org e-mail: itic@unesco.org

Dr. Laura Kong International Tsunami Information Centre (ITIC)