



## Working Group 1 – Assessment Tool for Tsunami Incidents and Exercises at the local level

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## Assessment Tool

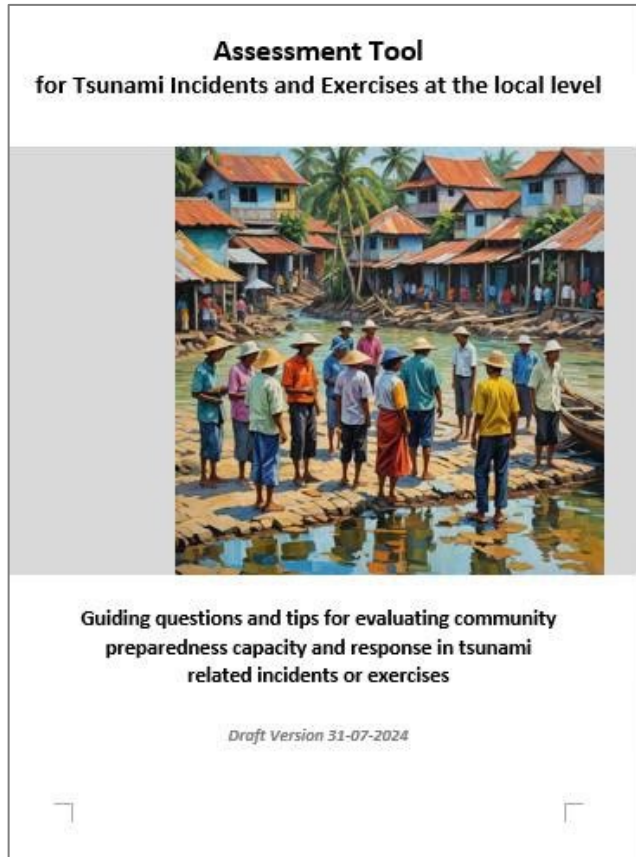
for evaluating community tsunami preparedness  
capacity and response

Rapid and participatory assessments immediately after tsunami related incidents are important for capturing experiences and drawing lessons that can be learnt from the local perspective to improve tsunami preparedness and end-to-end tsunami early warning. It can also be used to learn from community exercises

**#Learning from local experiences**  
after tsunami incidents and exercises



# The bigger picture



- This tool has been developed within the TsunamiRisk project and is derived from the analytical framework used in a meta-study of tsunami events in Indonesia between 2006 and 2021, and designed to guide the evaluation of community preparedness capacity and response in any type of tsunami related incidents or exercises.
- The tool contains a set of guiding questions that can be applied for a range of incidents that have posed a tsunami threat at the community level. This can include incidents where a tsunami was generated, but also incidents where an earthquake was strongly felt or a tsunami warning was issued, but ultimately no tsunami occurred.
- Rapid and participatory assessments immediately after tsunami related incidents are important for capturing experiences and drawing lessons that can be learnt from the local perspective to improve tsunami preparedness and end-to-end tsunami early warning.

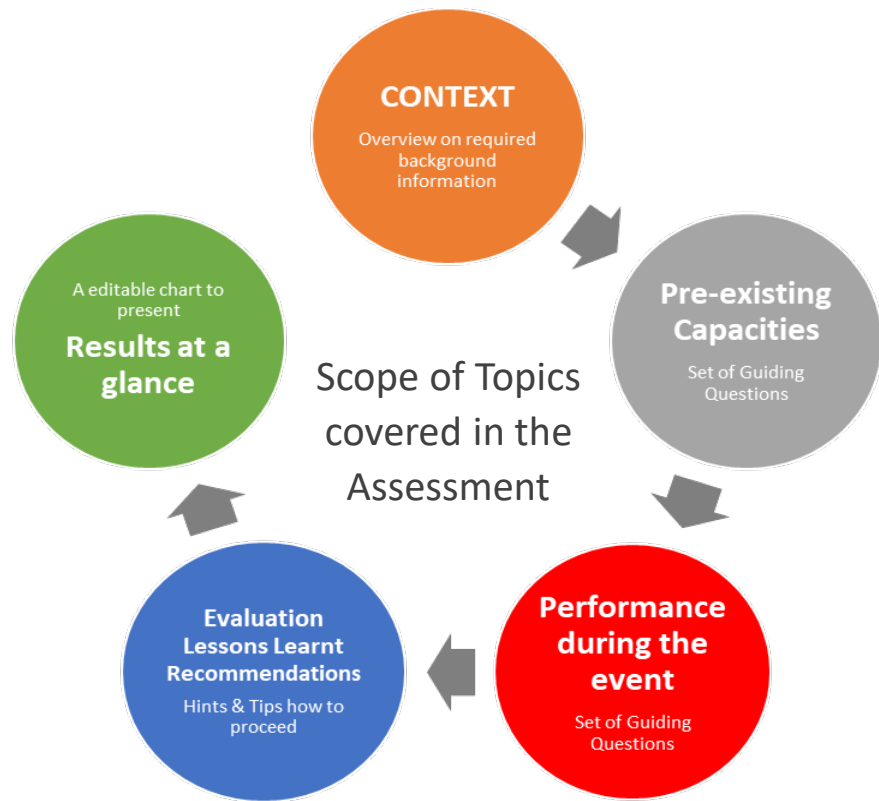
# The bigger picture

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- The tool can be used for a variety of incidents where
  - a tsunami was generated
  - an earthquake was strongly felt in a coastal community
  - a tsunami warning was issued, but ultimately no tsunami occurred
  - It can also be used to learn from community exercises
- The section on **pre-existing capacities** cover all elements included in the set of indicators developed and applied by the **IOC Tsunami Ready Recognition Programme**.
- With its focus on the end-to-end warning chain and community response issues, it may complement the **IOC Post-Tsunami Survey Guidelines**, which look mainly at the impact of the tsunami after a destructive event.



# The bigger picture



- Can be used either in an accompanied assessment process led by external experts or as a self-assessment tool for local stakeholder
- Preferably shortly after an incident or exercise in order to ensure that fresh impressions and detailed information can be captured
- Best in a **participatory manner, involving all main stakeholder**
- **Assessment methods** may include
  - interviews with relevant authorities,
  - focus group discussions with stakeholder groups,
  - field observations,
  - questionnaires to capture community reaction and
  - study of reference documents (hazard, risk and evacuation maps, SOPs, disseminated warning messages) as well as media reports.

Such an assessment always **focus on a specific geographical area that has been affected** or impacted by an incident. This may be a town, a district, a village or more than one of these.

# Links

The tool can be used to assess downstream warning processes in **IOWave exercise** in a systematic way and the findings contribute to the IOWave Survey

**IOWave Survey**  
every 2 years

## Assessment Tool

to be applied after tsunami events or for exercises

**TRRP**  
Tsunami-ready communities

The section of the tool on pre-existing capacities is aligned with **TRRP** indicators and can be used to assess state of community preparedness

**ITST Survey**  
after destructive tsunamis

The tool can be used by **ITS** Teams to assess downstream processes in a structured and systematic way and findings can be integrated into survey report

Results from assessments carried out can inform **CATP** on existing capacities and challenges in the downstream part

**CATP**  
every 6 years

The proposed tool to assess the warning chain in real events and in exercises is not intended to contradict but rather improving and filling gaps of current available tools to assess capacities and also including the IO Wave guidelines/Comms Tests.



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# THANK YOU