TEMPP Discussion Guideline
TEMPP B Discussion: Information for Tsunami Evacuation Plan and
Reviewing Designated Hazard and Inundation Map

Objective:

To help participants understand how to interpret an inundation map, discuss the validity of the data, and develop a hazard map for a tsunami evacuation zone. Participants will identify vulnerable groups and key elements in the community and determine the boundaries of the evacuation zone based on these findings.

1. **Inundation Map Interpretation**
    - **Study the Inundation Map** carefully to understand the tsunami hazard it represents (e.g., wave heights, inundation levels, timeframes).
    - **Clarify how the inundation map was generated** (e.g., models, data sources, assumptions). Discuss its limitations and uncertainties (e.g., accuracy, scope).
    - Discuss **what the inundation map shows**—where tsunami waves are expected to reach, the areas affected by different wave heights, and the expected duration of flooding.
    - Reflect on how **valid** the inundation map is for guiding evacuation decisions. Is it based on the latest data? How certain are the predicted wave heights and timing?
    - What information is crucial for evacuation planning that the inundation map provides?
    - What are the limitations of this map as a basis for evacuation planning?

2. **Delimiting the Evacuation Zone**
    - **Delimit the evacuation zone** on the Base Map using the information from the inundation map.
        - **Evacuation zone boundary:** Consider areas that are at risk of flooding or damage from the tsunami. Determine a safe buffer zone, ensuring it includes areas likely to be

impacted by the tsunami and additional safe areas for evacuation.
- What factors did you consider when deciding where to draw the evacuation zone boundary?
- How do you account for vulnerable groups in your evacuation zone design?
- **Identify vulnerable groups and elements:**
    - Identify areas where **vulnerable groups** are located (e.g., elderly homes, hospitals, schools, people with disabilities).
    - Highlight any other **vulnerable elements** such as critical infrastructure (e.g., hospitals, fire stations) or cultural heritage sites.
- **Document and map these elements** on the Base Map.
- Are there any challenges in selecting safe routes and evacuation zones based on the inundation map and the village's infrastructure?

3. **Identification of Further Vulnerabilities**
    - Reflect on any additional vulnerabilities not captured by the inundation map, such as:
        - **Socio-economic factors** (e.g., informal settlements, accessibility issues for marginalized communities).
        - **Infrastructure vulnerabilities** (e.g., roads prone to landslides, bridges at risk of being destroyed).
        - **Emergency response limitations** (e.g., lack of communication infrastructure or evacuation vehicles).
    - Identify and document any **further aspects** that could impact the evacuation process and the safety of the community.
    - What additional vulnerabilities exist that are not reflected in the inundation map? How do they impact the evacuation plan?
    - How can we address these vulnerabilities in the evacuation strategy?