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Intergovernmental
Oceanographic
Commission

Group Work 3

Background information and task

Session 3.3

*North-West Indian Ocean Regional Workshops on
Tsunami Inundation Mapping and Evacuation Planning
Muscat, 21-25 April 2024*

Task for Group Work 2

1. Identify possible **evacuation routes** and draw them on the map
2. Discuss what **type of signage** is required and whether there are design standards in your country that can be used
3. Decide which instructions you want to provide as **public evacuation procedures**
4. Decide which **content** should be displayed in the **public evacuation map**
5. Be ready to **present your draft evacuation map** (not more than 10 minutes presentation time!)

Task 3

Decide which instructions you want to provide as public evacuation procedures

- Use the Checklist 2 as reference
- Formulate them as far as possible (and time permits) in the Checklist form
- These procedures are to be shown on the map

Checklist 2 Public Procedures		
Aspects	To include? Yes/No	Your proposed text
Information how to protect during an earthquake		
Raising awareness on a resulting tsunami threat after experiencing an earthquake		
Encouraging for self-evacuation		

Tsunami Evacuation Procedure

- If you feel an earthquake - protect yourself**
 - Don't panic!
 - Drop, cover and hold!
- After an earthquake, be aware that a tsunami may follow**
 - Move away from the beach immediately as a precaution measure!
 - Look for more information through TV and Radio!
- After a strong and prolonged earthquake, evacuate immediately!**
 - Don't wait for an official warning, leave the **RED ZONE** immediately if possible or look for shelter in higher buildings
 - If you are around Pratama Street, look for shelter in one of the hotels with higher floors
 - As a visitor in a hotel, please follow the instructions of hotel staff
- The sound of the siren is the official call for evacuation**
 - If the siren sounds, follow the evacuation procedure as indicated above (No. 3)!

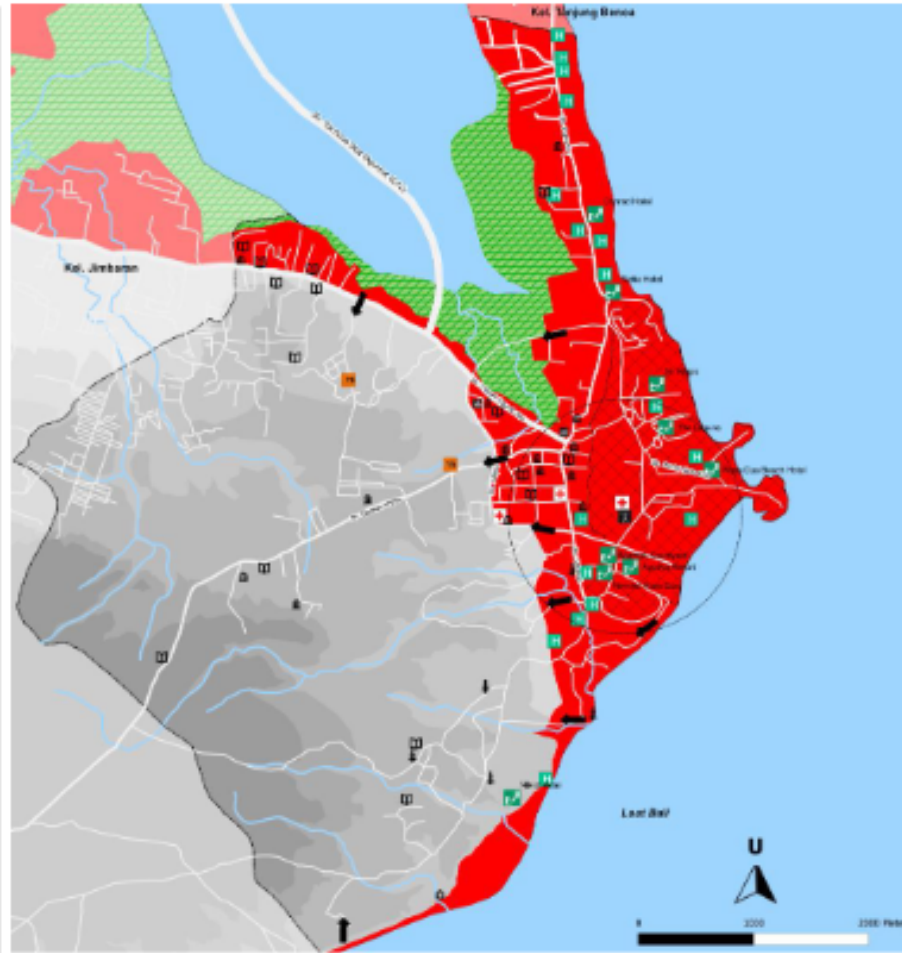
Be aware that the siren may not be heard in all areas.

After the first tsunami wave, more waves are likely to come!

Wait for an official "All Clear" message before leaving shelter

*Please note that BTDC has its own procedure

Tsunami Evacuation Map for Benoa Peta Evakuasi Tsunami di Kelurahan Benoa



Legend/Legend		
■ Tsunami Red Zone Zona Bahaya Tsunami	Sire Sirene	Community Hall Balai Banjar
■ BTDC Area Kawasan BTDC	Public Vertical Evacuation Building Bangunan Evakuasi Vertikal Umum	Hotel Tempat Parkir
Safe Zone/Daerah Aman	First Aid 2 Floors (or more) Kantor Balai Kota (Kantor)	Traditional Market Pasar
Height of 25 m Ketinggian 25 m	Assembly Point Tempat Berhimpun	Street Network Jaringan Jalan
Height of 50 m Ketinggian 50 m	Hospital RS Puskesmas	River/Sea Sungai/Laut
Height of 70 m Ketinggian 70 m	School Sekolah	Administrative Border Batas Administrasi
Height of 100 m Ketinggian 100 m	Village Office Kantor Kelurahan	Mangrove Hutan Bakau
Height of >100 m Ketinggian >100 m		

Dukung oleh / Supported by

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Untuk Informasi / Informasi lebih lanjut:
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Prosedur Evakuasi Tsunami

- Jika merasakan gempa bumi - lindungi diri anda**
 - Jangan panik
 - Merunduk, berlindung dan berpegangan
- Setelah gempa bumi, sadari bahwa tsunami mungkin terjadi**
 - Secepat mungkin tinggalkan daerah pantai sebagai langkah pencegahan awal
 - Cari informasi lebih lanjut melalui TV dan Radio
- Setelah gempa bumi yang kuat dan lama, Segera Evakuasi!**
 - Jangan menunggu peringatan resmi, segera tinggalkan **ZONA MERAH** jika memungkinkan atau mencari tempat berlindung yang lebih tinggi
 - Jika anda berada di sekitar Jln. Pratama, segera berlindung di bangunan bertingkat 3/lebih
 - Jika anda pengunjung, ikuti arahan dari karyawan hotel
- Bunyi sirene adalah panggilan resmi evakuasi**
 - Jika sirene berbunyi, ikuti prosedur evakuasi seperti diatas (No. 3)!

Sadari bahwa mungkin bunyi sirene tidak terdengar di semua area.

Setelah gelombang pertama datang, gelombang yang lain mungkin akan menyusul.

Tunggu pemberitahuan resmi "Tsunami telah berakhir" sebelum meninggalkan tempat perlindungan

*Catatan: Ada prosedur khusus di area BTDC

Task 4

Decide which content should be displayed in the public evacuation map

- Use the Example Map as reference.
- Visualize the selected contents with placeholders (sticky notes) on the card and describe them briefly

Tsunami Evacuation Sign

Title

Location

Short bilingual instructions

Explanation of colors & zones

Evacuation zone in yellow

Evacuation route arrows in black

Named assembly points

Sponsoring agencies

Second pane if necessary

Optional 2nd zone in orange

Geographic features

Date

Map Content:

TSUNAMI EVACUATION MAP
CANNON BEACH AND ARCH CAPE AREAS, OREGON

YOU FEEL AN EARTHQUAKE: Stop, cover, and hold. Do not immediately intend to higher ground. Do not wait for an official warning.

Usted siente el temblor: Párese al suelo, cúbrase, y espere un aviso de inmediato a un lugar más alto que el nivel del mar. Espere por un aviso oficial.

ASSEMBLY AREA

OUTSIDE HAZARDOUS AREA: Evacuate to this area for all tsunami warnings or if you feel an earthquake.

ZONA DE PELIGRO EXTERIOR: Evacue a esta zona para todas las advertencias del tsunami o si usted siente un temblor.

LOCAL CASCADIA EARTHQUAKE AND TSUNAMI: Evacuation zone for a local tsunami from an earthquake at the Oregon coast.

MAREMOTO LOCAL: Evacuación de Zona de evacuación para un tsunami local temblor cerca de la costa de Oregon.

DISTANT TSUNAMI: Evacuation zone for a distant tsunami from an earthquake far away from the Oregon coast.

MAREMOTO DISTANTE: Zona de evacuación para un tsunami distante de un temblor lejos de la costa de Oregon.

MAP SYMBOLS / SÍMBOLOS DEL MAPA

- Evacuation route / Ruta de evacuación
- Assembly area / Área reunión
- Tsunami warning siren / Sirena de aviso de tsunami
- School / Escuela
- City Hall / Municipalidad
- Bridge / Puente
- Fire Department / Bomberos
- Police / Policía

ARCH CAPE AREA

PACIFIC OCEAN

SCALE / ESCALA

NOTICE: The tsunami evacuation route map was developed by OCEMOR for the purpose of providing the user with the means to guide the public in the event of a tsunami evacuation. The map is intended for informational purposes only and should not be used for other purposes. The map is not a guarantee of safety. The evacuation routes were developed by local emergency officials and reviewed by the Oregon Department of Emergency Management. MAP REVISION 6.20.09

How to proceed for Group Work

- Available **time**: until lunch time at 13:00 am (total 155 minutes) including coffee break (flexible)
- As there are several tasks to be completed, make sure you have **good time management**. It is a good idea to set a time budget for each task and to move on even if you have not completed a task. You can always finish it later. We recommend that you do not spend more than 45 minutes on each task (Tasks 1, 3, 4) and not more than 15 minutes on Task 2.
- As usual, select a **moderator** from your group. The moderator will guide the group work making sure that tasks will be accomplished and timing is met.



THANK YOU