Out line of the presentation
1-General information about Yemen
2-Natural disaster in Yemen
3-Disaster management in Yemen
4-Coast guard missions
5-Action plan

Aziz Ail Nasser
Director for Floating Unit Red Sea Sector
Yemen Coast Guard
The climate of Yemen varies depending on the height; the country can be divided into three climatic zones:

Yemeni Mountains is moderate in summer but in winter can be very cold. In the capital Sana’a’s average temperature is between 20°C to 30°C. The rains occur twice a year.

Costal Plains is hot and humidity area, average maximum temperatures are 28°C in winter and 37°C in summer. Annual rain average is 130 mm.

Yemeni Highlands is very hot and dry, maximum temperatures is 25°C in December and 37°C in June.
From natural disaster history, Yemen has been struck by many disasters such as:
1-Earthquake
2-Volcano
3-Drought
4-Epidemic
5-flood
6-landslid
<table>
<thead>
<tr>
<th>Type of disaster</th>
<th>date</th>
<th>Disasters casualties</th>
<th>Affected number</th>
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<td>Flood</td>
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<td>52</td>
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<td>30000</td>
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<td>April_2002</td>
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<td>April_2005</td>
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<td>23 October 2008</td>
<td>183</td>
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<td>Epidemic</td>
<td>September_2000</td>
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<td>February_2005</td>
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<td>Earthquake</td>
<td>December 1982</td>
<td>2800</td>
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<td>November_1991</td>
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<td>Volcano</td>
<td>2005</td>
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<td>Drought</td>
<td>1961</td>
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<td>2020000</td>
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<tr>
<td>Land slid</td>
<td>December 2005</td>
<td>65</td>
<td>11</td>
</tr>
</tbody>
</table>
Flood occurred in Hadarmaut 23 Oct 2008
183 killed and 3275 injured

The 2008 flood affected two governorates in Yemen, which received 90 mm of rainfall in 30 hours, almost eighteen times greater than the normal rainfall of 5 mm to 6 mm. The rain fell over a catchment area of 2 million hectares, and the nearly 2 billion cubic meters of water caused severe flash floods in the valley, with water surges exceeding 10 meters in some areas.
Relief in Hadramaut after flood disaster - 23 Oct 2008
• **Location:** Yemen: Dhamar
• **Date and Time:** 12/13/1982 at 12.13 am
• **Depth:** 5 km
• **Latitude:** 14.701
• **Longitude:** 44.379
• **Magnitude:** 6 Richter scale
• More than 2800 killed (More than 41050 injured)
Yemen is located in one of the most active plate boundaries of the World - the triple junction made up by the Gulf of Aden, the Red Sea and the Eastern African Rift System.

1/10/2007 at Jabal Altair Island is a roughly oval volcano island northwest of Bib Almandp was an active passage military base there after 124 year of dormancy for the volcano - 11 soldiers killed.
Losses by Tsunami in Al Mahrah and Socotra
- 7-injured
- 33 Fishing boats destroyed
- Other equipment
- Outboard engines 33 (totally destroyed)
- Vehicles 5 cars
- Other buildings

Tsunami-affected provinces

Country capital
Main populated places on affected coasts
UNEP Field Deployments
Yemen is set to be the first country in the world to run out of water. The capital, Sana’a, has about ten years at current rates before its wells run dry because of water shortages.
**Landslides in Althafer Sana'a**

Location: about 50km (31 miles) west of the capital Sana'a

Date: 1-12-2005 at 12.13 am

65 people are dead: (More than 10 injured)
Legal system

Republic cedar No.(32) Issued at 1997 include the following:

1- Assign The Highest Council Of The Civil Deviance (HCCD)
2- Identify the disaster.
3- Tasks and Missions of the (HCCD).
Yemen Coast Guard (YCG)

Established by Republican Decree No. (1) 2002
Stood up in 2003.
Personnel drawn mainly from the police, but some from the Yemen Navy and civilians with specialist skills.
Divided into HQ and 3 Districts.
Floating units
YCG (Phase 1)
Commenced Feb 08
1. Search & rescue, one of our mission
ACTION PLAN

Project title

*Disaster Risk Reduction Capacity Building in Dhamar city in Yemen*
Dhamar is situated 100 km to the south of Sana'a, north of Ibb, and west of Al-Beidha. The elevation around 2400 meters. The city of Dhamar is situated on the main road, which connects Sana’a with a number of cities and located in the center of the Dhamar basin, is of ancient origin. Dhamar is the only town in northern Yemen, which is not surrounded by a wall or natural defensive formations; on December 13 1982 the city hit by earthquake the magnitude was 6.0 It was the first instrumentally recorded earthquake in the Dhamar region. Over 2,800 people were killed and more than 41050 injured.
• Location: Yemen: Dhamar
• Date and Time: 12/13/1982 12:13 am
• Focal Depth: 5 km
• Latitude: 14.701
• Longitude: 44.379
• Magnitude: 6
• Deaths (Approx. Deaths): 2800 (More than 41050 injured)
2-Justifications

This project will provide pilot model on the development of multi-stakeholders platform on the governmental level. The success of this project will encourage other local administrations (councils) to repeat this model. It is very important to indicate that this project will provide remarkable support to Yemen government in the implementation of Hyogo Framework for Action (2005-2015) it comes under several priorities i.e. enhancing institutional framework of DRR at the local level; raising awareness of public; and reducing the vulnerability of the high risk areas.
3-**General Objectives**

. To raise public awareness of the Local Administration, through introducing the concepts of natural and man-made risk reduction and management.

. To enhance the institutional multi-stake-holders structure of the disaster risk reduction and management through building the capacity local administration of Dhamar governorate and guide them to establishment of local platform
Specific objectives
.To raise the public awareness through introducing the concepts of DRR to the communities leaders, local governmental staff, students and public.
.To enhance the institutional framework and build the capacity of local governmental staff on DRR management of Dhamar local administration.
.To develop a framework of local Disaster Risk management plan.
.To promote sustainable disaster reduction management practices.
4-Project activities

a. For Raising public awareness

- Conduct 2 workshops about the concepts of Disaster Risk reduction targeted the local council staff, local governmental offices staff and NGOs.
- Produce and publish several publications such as leaflets, brochures and other educational material about Disaster Risk management’s concepts, the roles of partners.
- Organize an awareness campaigns on DRR in the city of Dhamar and two other selected areas targeted students and publics using the schools and mosques.
b. For enhancing the institutional framework and build the capacity of local governmental on DRR management. Of Dhamar local administration
• Conduct workshops to establish the local disaster reduction management Platform.
In these workshops the platform will be declared and prepared its organizational framework.
C. For development of a framework of local Disaster Risk management plan
- Carry out risk assessment on Dhamar city and 3 selected districts of Dhamar governorate.
- Conduct training workshops on disaster risk management and planning for the members of local council (administration) of Dhamar governorate and the local council of the 3 selected districts.
- Develop a draft framework of disaster reduction management plan through conducting meeting for the local platform members.
d. For promote sustainable disaster reduction management practices.
  .Support establishment of 3 Nongovernmental organizations in Dhamar City and the 2 selected districts.
  .Conduct training of trainer’s course on Disasters reduction and management community based participation.
5-Output of the Project
• Draft disaster reduction and management framework plan for Dhamar governorate.
• Local Disaster reduction platform as multi-stakeholders mechanism.
• Distribution of Disaster Reduction and management concepts Publications among the target audience.
• Reports on the main risks and hazards on Dhamar Governorate.
6-Implementing Agencies :( Partners)

Ministry of Water & Environment
Coast guard .
Civil Defense .
National Seismic and Volcanic Monitoring Center.
Sea Sciences Center .
Dhamar University .
Schools Managers in Dhamar .
Dhamar Media.
Local government
<table>
<thead>
<tr>
<th>No</th>
<th>particulars</th>
<th>USD</th>
<th>Duration-participants number-fees</th>
</tr>
</thead>
</table>
| 1- | **transportations**              | 3,000 | 1-52-days -for staff -**10** person  
2-10-days for training team, **15**-person |
| 2- | **Stationeries**—CD, projector-handbook leaflets about earthquake | 10,000 | 1-5000CD about earthquake  
2-projector-2  
3-leaflet 5000 about earthquake  
4-notebook-pens-files-etc |
| 3- | **Lunch**—for participant       | 2,000 | 1-staff-**10** person duration 52 day  
2-training team **15** person -10days |
| 4- | **Another**                      | 6,000 | 1-Fees for staff-**10** person for 52 days-$24 per day  
2-training team **15** person -duration 10 days  
20$per day  
3-communication-500$ |
<p>|    | <strong>total</strong>                        | 21,000 |                                                                                                    |</p>
<table>
<thead>
<tr>
<th>Activities</th>
<th>UNIT OF TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Discussion with partner unit</td>
<td>Month 1</td>
</tr>
<tr>
<td></td>
<td>Month 2</td>
</tr>
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<td></td>
<td>Month 3</td>
</tr>
<tr>
<td>2. Discussion with local government in dhamar city</td>
<td>Month 4</td>
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<td></td>
<td>Month 5</td>
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<td></td>
<td>Month 6</td>
</tr>
<tr>
<td>3. Prepare the materials which are used for raising awareness</td>
<td>Month 4</td>
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<td>Month 5</td>
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<td></td>
<td>Month 6</td>
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<tr>
<td>4. Discussion with school Manager and some local community Boss about time and place of training</td>
<td>Month 4</td>
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<td></td>
<td>Month 5</td>
</tr>
<tr>
<td></td>
<td>Month 6</td>
</tr>
<tr>
<td>5. Start working all activates of the action plan</td>
<td>Month 4</td>
</tr>
<tr>
<td></td>
<td>Month 5</td>
</tr>
<tr>
<td></td>
<td>Month 6</td>
</tr>
<tr>
<td>Activity</td>
<td>The First Week</td>
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<tr>
<td>Make campaigns and lecture and distribute the leaflet</td>
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<tr>
<td>Drill the community at fire fighting, first aid, search and rescue</td>
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<tr>
<td>Make meeting-workshop to start organizing community disaster management team</td>
<td></td>
</tr>
<tr>
<td>Drill at town watching</td>
<td></td>
</tr>
<tr>
<td>Make final meeting for participants</td>
<td></td>
</tr>
</tbody>
</table>
Thank you very much for your kind attention.