



REPUBLIC OF YEMEN



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**

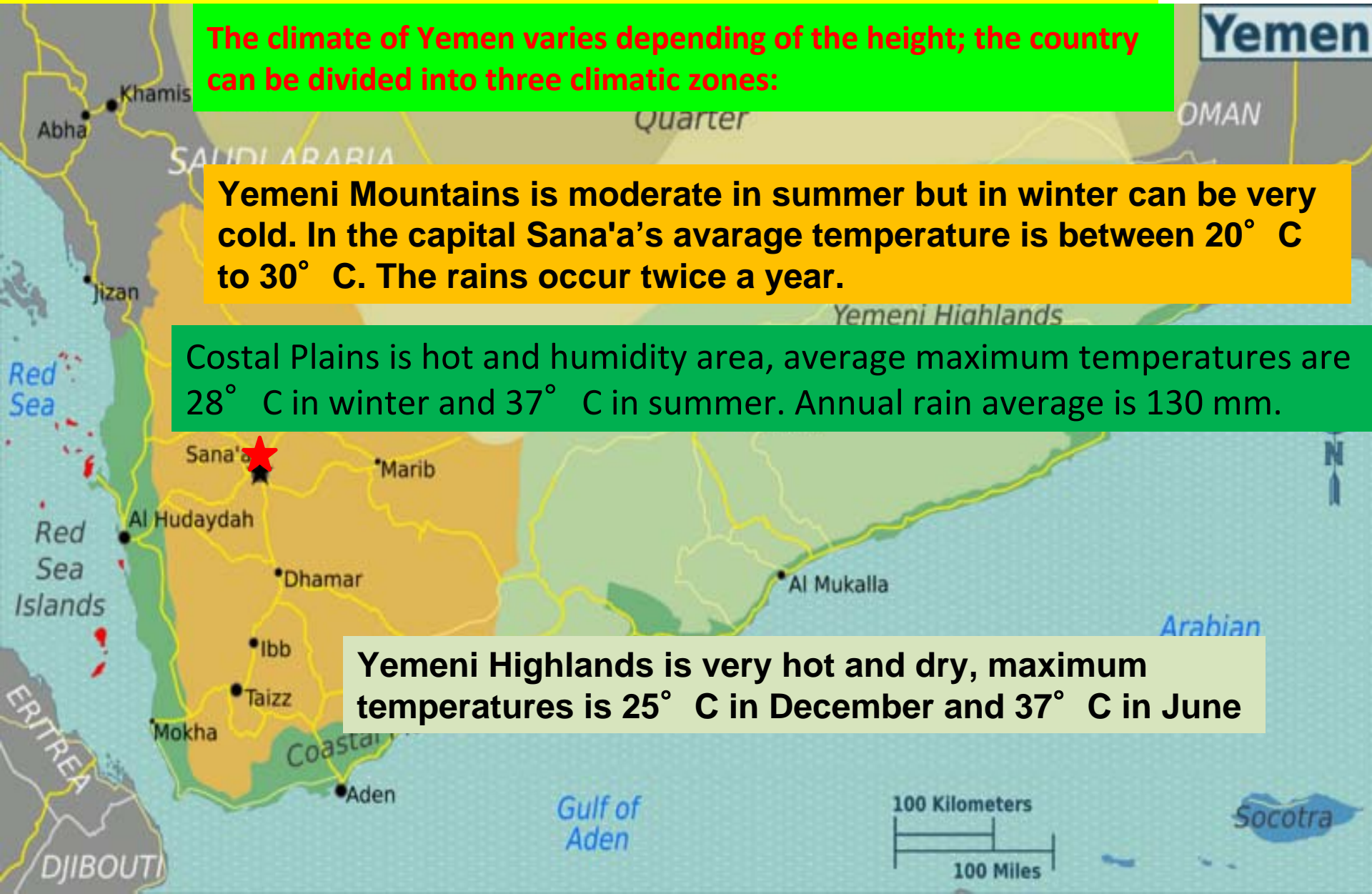
Location: in middle east, bordering by Arabian Sea, Gulf of Aden and Red Sea, between Oman and Saudi Arabia, **Geographic:** 15 00 N, 48 00 E
Capital : Sana'a, **Population** 23 million, **Area:** 527,970 sq km

The climate of Yemen varies depending of 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



To northern Europe,
Americas east coast

To Asia
Pacific

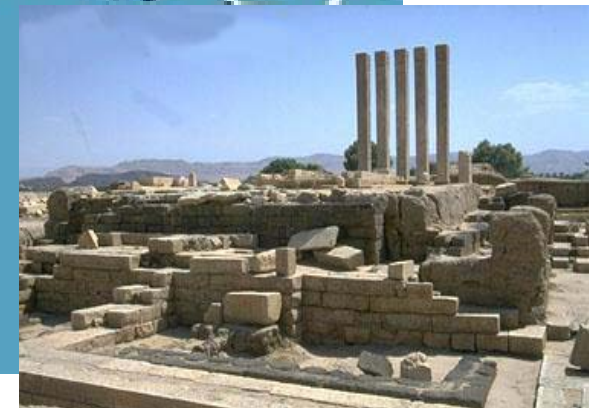
SUEZ
CANAL

SOMALIA

GULF OF
ADEN

From natural disaster history, Yemen has been struck by many disasters such as :

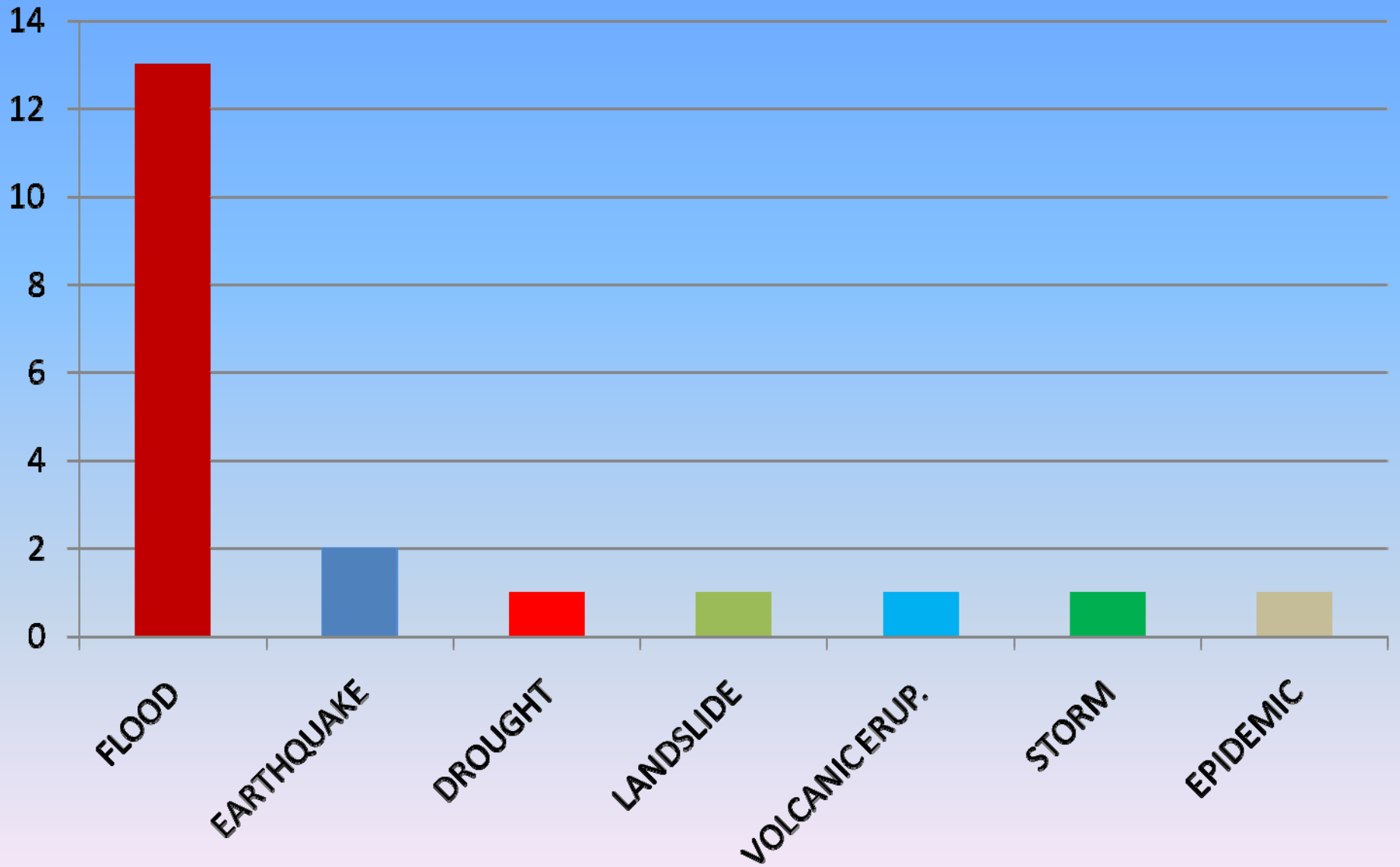
- 1-Earthquake
- 2-Volcano
- 3-Drought
- 4-Epidemic
- 5-flood
- 6-landslid



NAUTURAL DISASTER WHICH Struck YEMEN DURING1973_2008

Type of disaster	date	Disasters casualties	Affected number
Flood	August 1973	60	2862
	August_1975	52	50000
	MARCH_1982	482	350000
	APRIL_1989	38	150000
	December_1991	–	30000
	FEBRUARY_1993	31	21500
	JUNE_1996	338	238310
	August_1999	–	19750
	July_2001	31	–
	April_2002	2	700
	August_2002	28	–
	April_2005	10	715
	23 October 2008	183	3275
Epidemic	September_2000	32	298
	February_2005	–	179
Storms	Jun2001	13	
Earthquake	December_1982	2800	41050
	November_1991	70	4039
Volcano	2005	11	3
Drought	1961		2020000
Land slid	December_2005	65	11

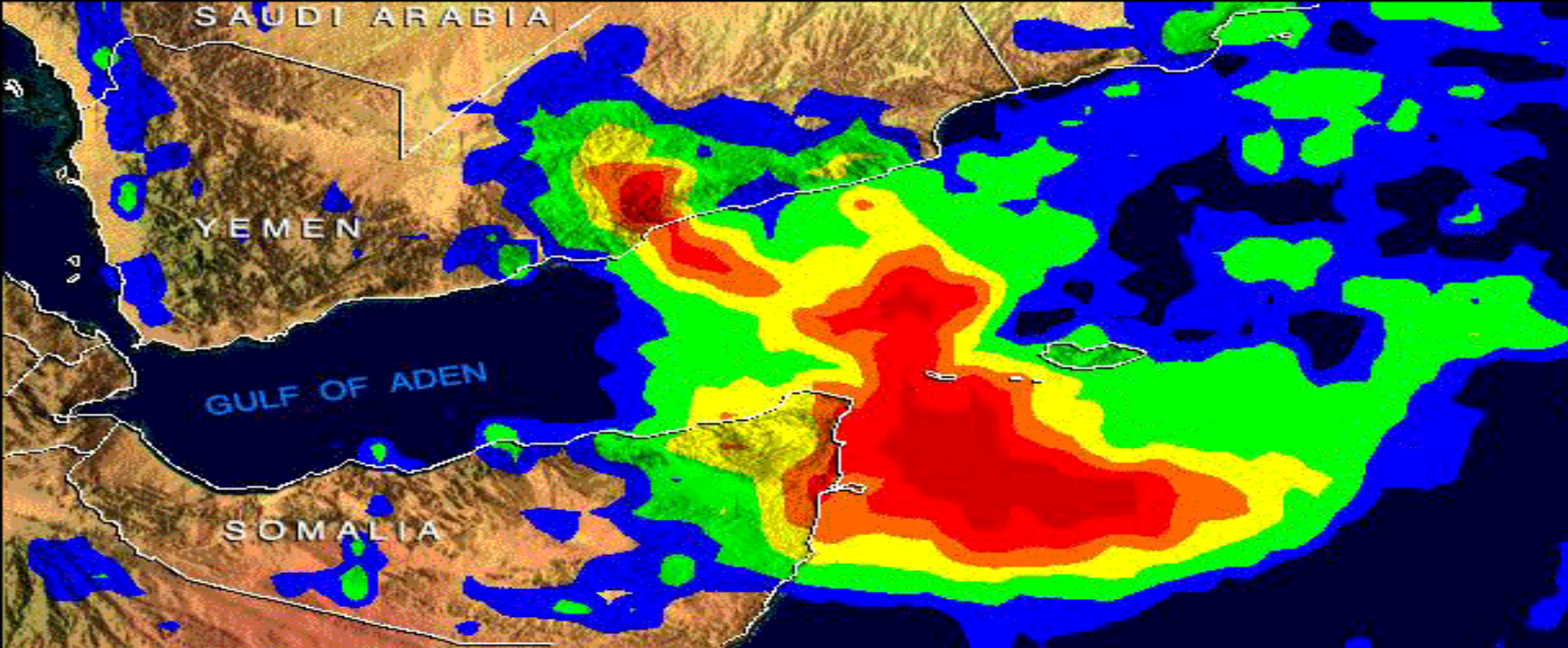
NATURAL DISASTER 1973-2008



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 5mm to 6mm. 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.



October 18-26, 2008
Rainfall Totals

Relief in Hadramaut after flood disaster -23 Oct 2008



TECTONIC PLATE

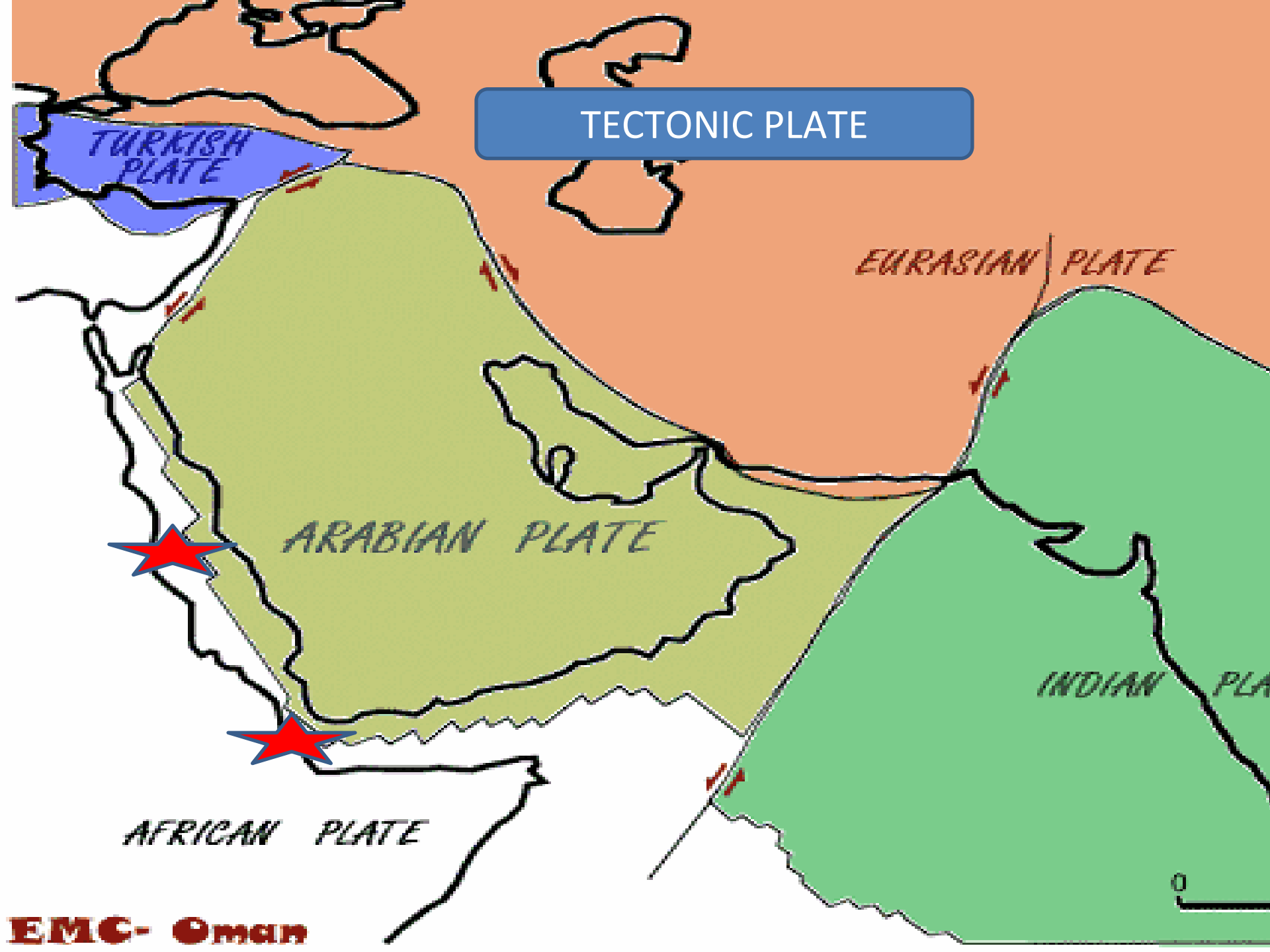
TURKISH PLATE

EURASIAN PLATE

ARABIAN PLATE

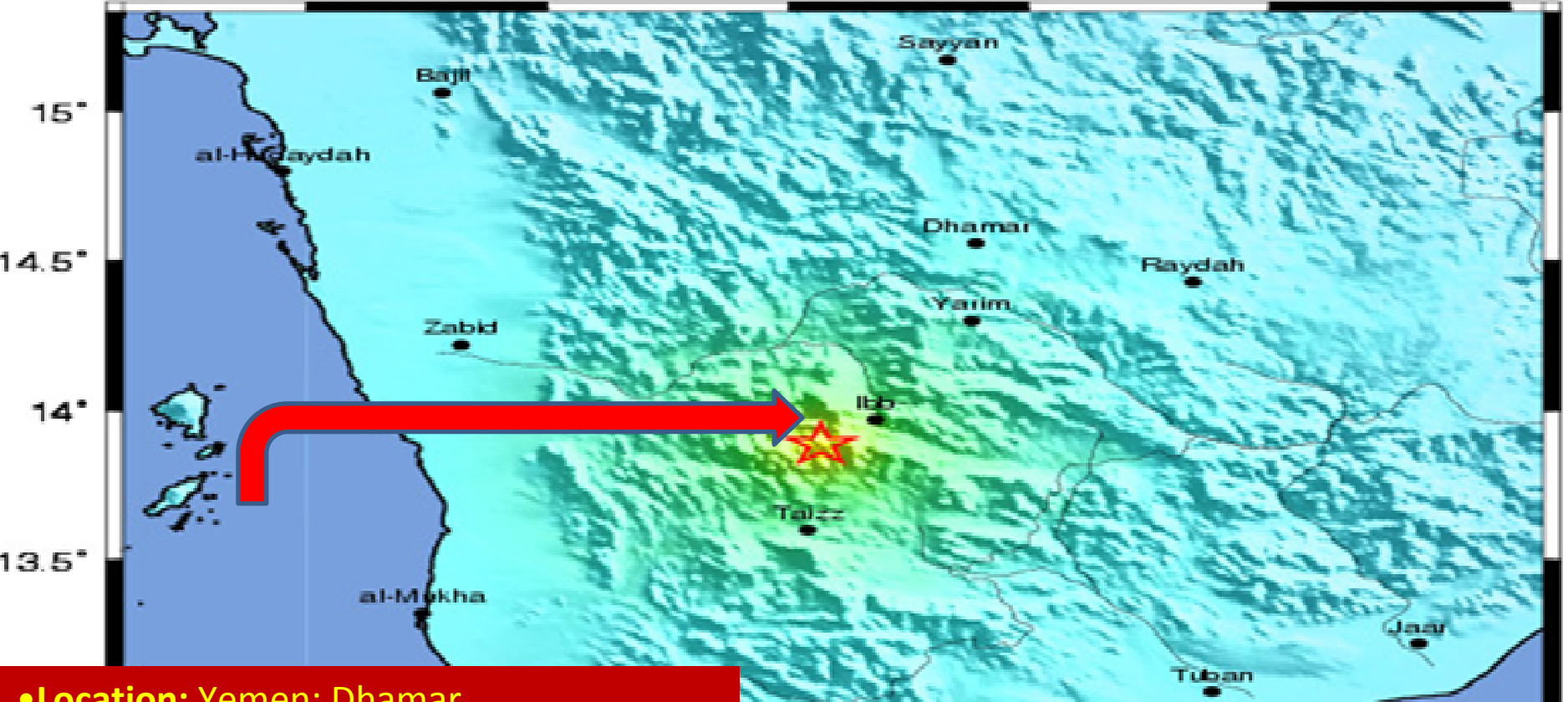
INDIAN PLATE

AFRICAN PLATE



USGS ShakeMap : YEMEN

Fri Nov 22, 1991 00:40:23 GMT M 4.7 N13.89 E44.07 Depth: 10.0km ID:199111220040



- **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)**



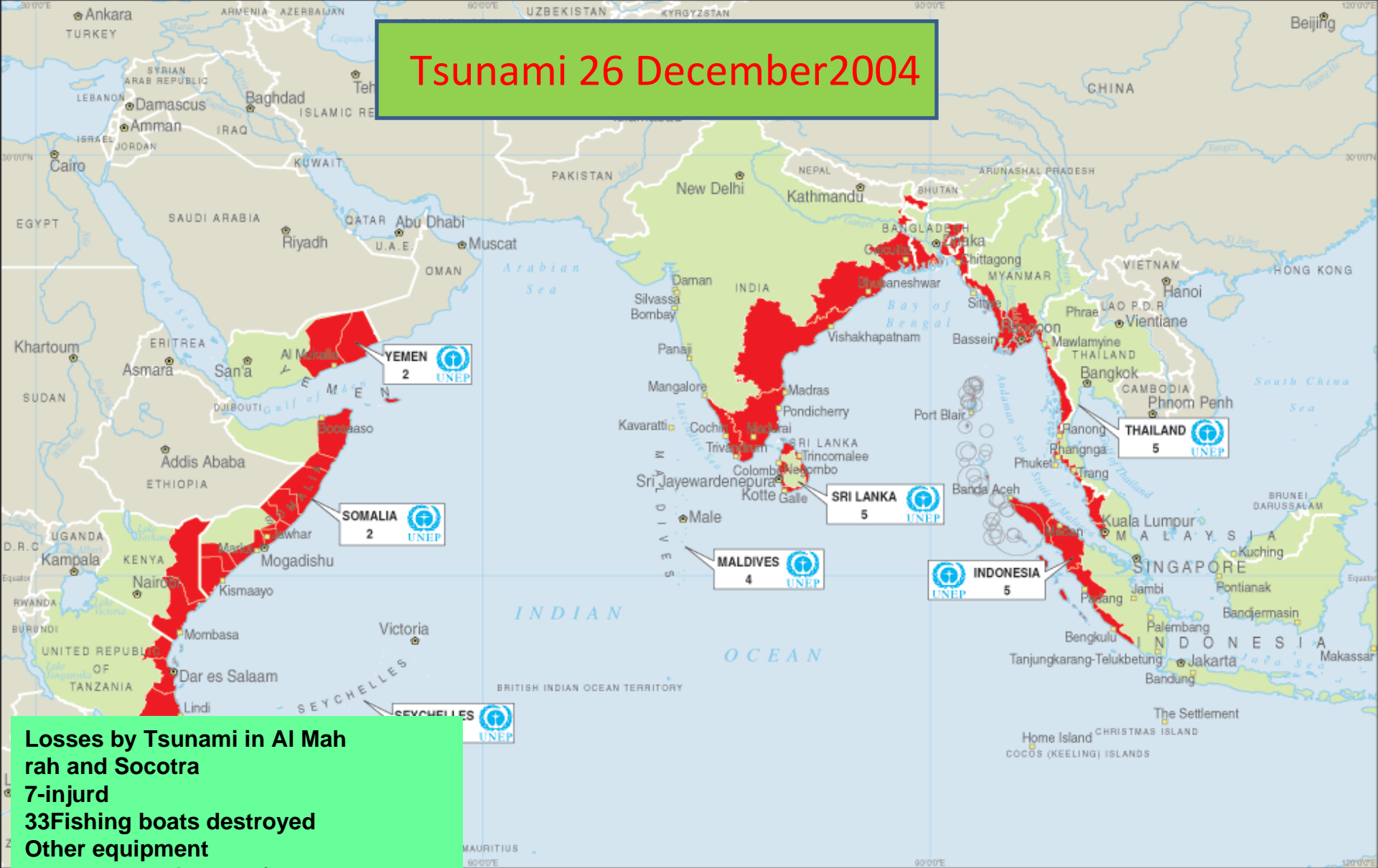
Volcano in Yemen






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.

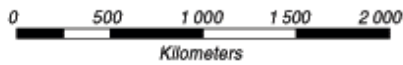
1/10/2007 at Jabal Altair Island
roughly oval volcano island
northwest of Bib Almandp wa
passage military base there
after 124 year of dormancy for
the volcano - 11 soldiers killed

Tsunami 26 December 2004



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

-  Country capital
-  Main populated places on affected coasts
-  UNEP Field Deployments



Data Sources: NIMA VMap Level 0, UN Cartographic Section
 Cartography: UNEP/DEWA/GRID-Europe, February 2005
 The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the United Nations.
 Dotted lines represent approximately the Lines of Control in Jammu and Kashmir, Aksai China and Arunachal Pradesh agreed upon by India.

Drought in Yemen



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)

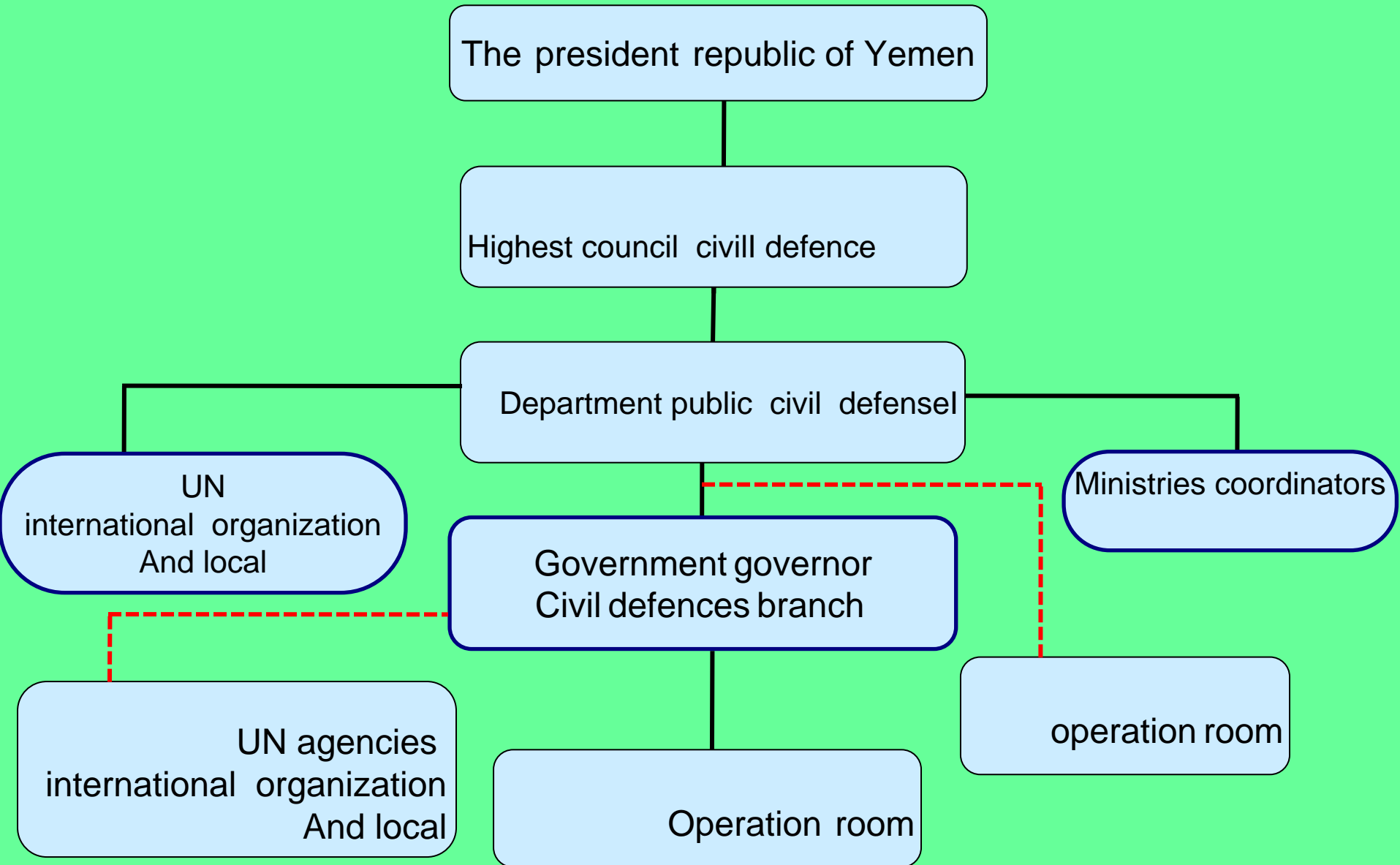


Legal system

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

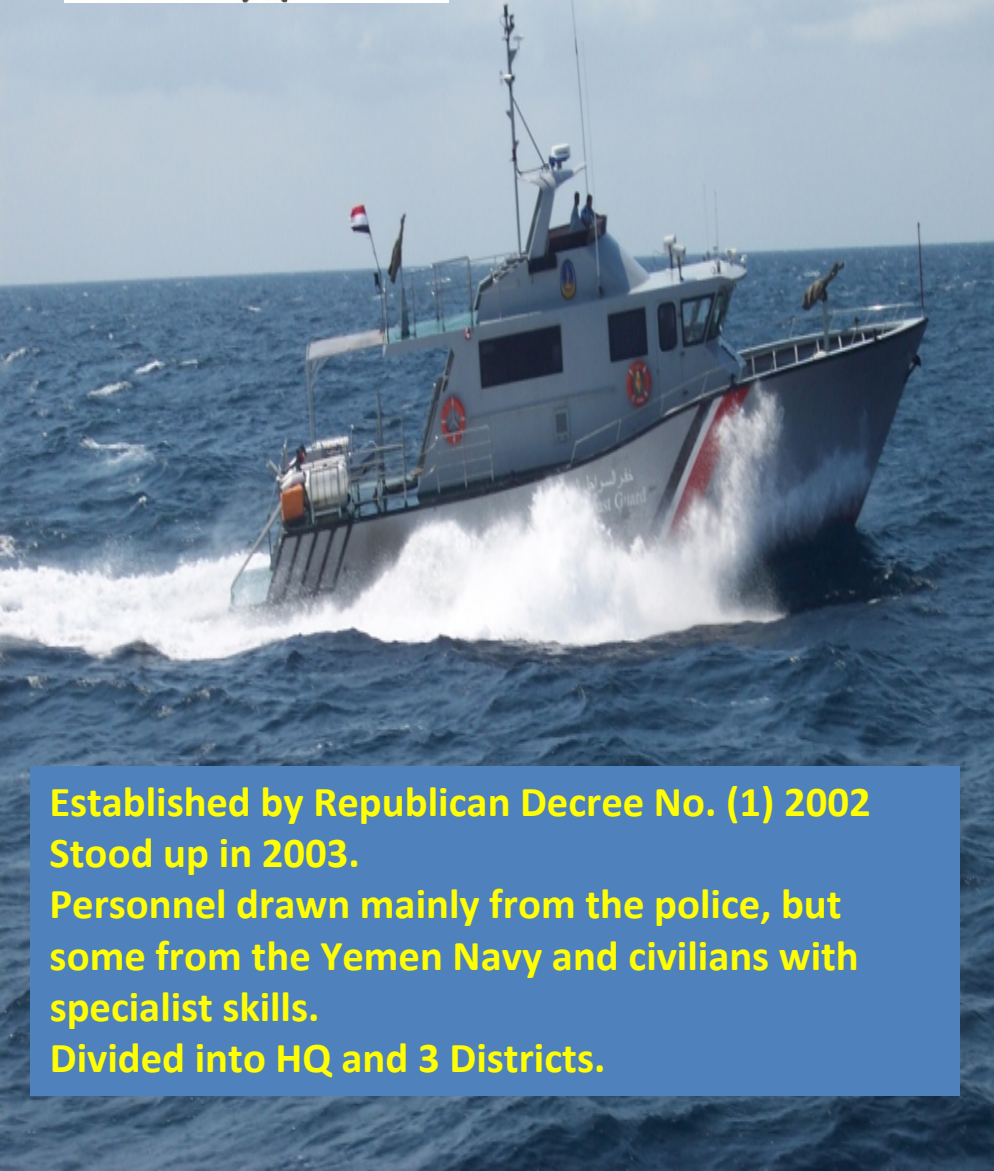
- 1- Assign The Highest Council Of The Civil Deviance (HCCD)
- 2- Identify the disaster .
- 3- Tasks and Missions of the (HCCD).

Organisational Chart





Yemen Coast Guard (YCG)



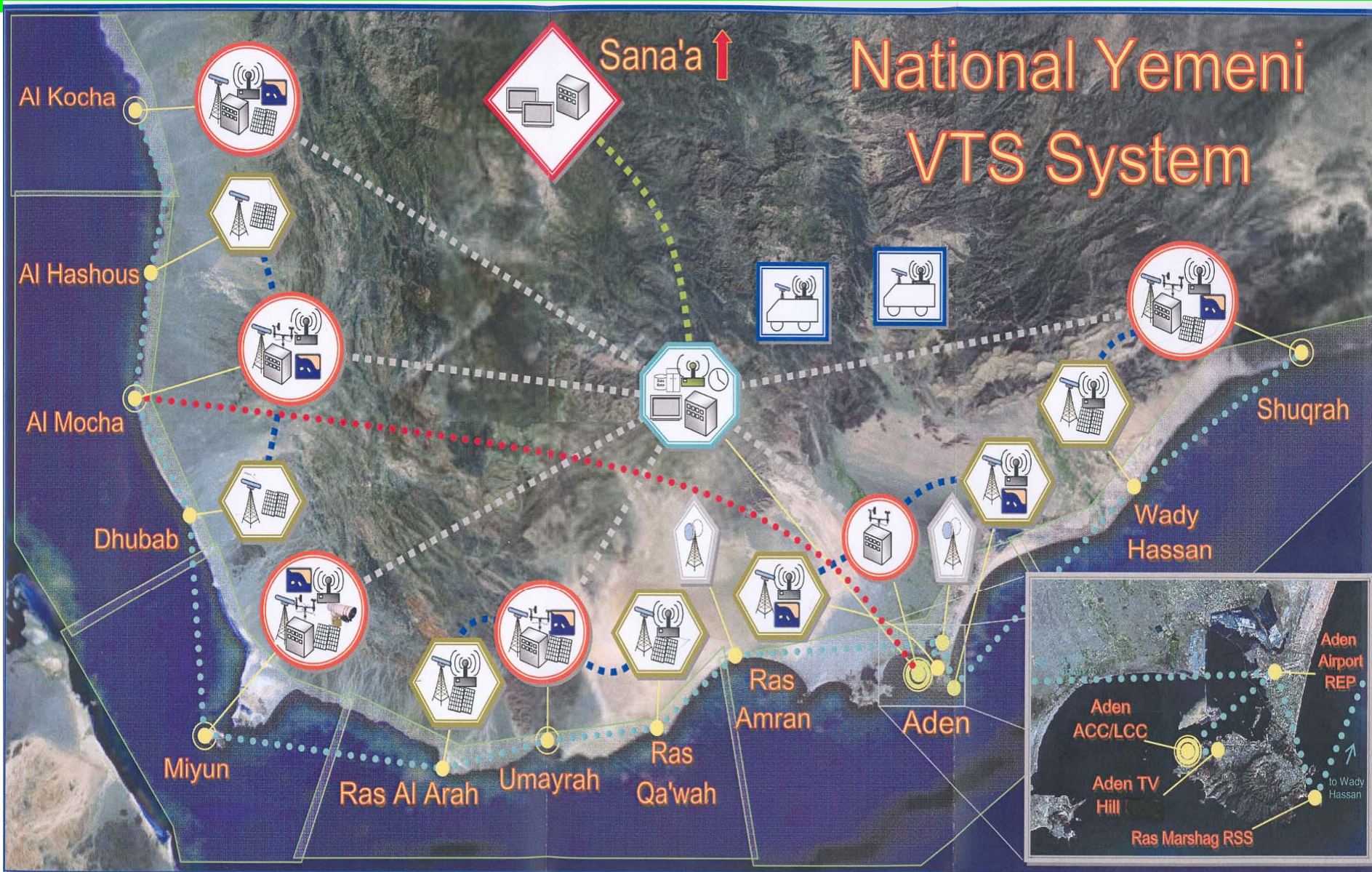
**Established by Republican Decree No. (1) 2002
Stood up in 2003.
Personnel drawn mainly from the police, but
some from the Yemen Navy and civilians with
specialist skills.
Divided into HQ and 3 Districts.**

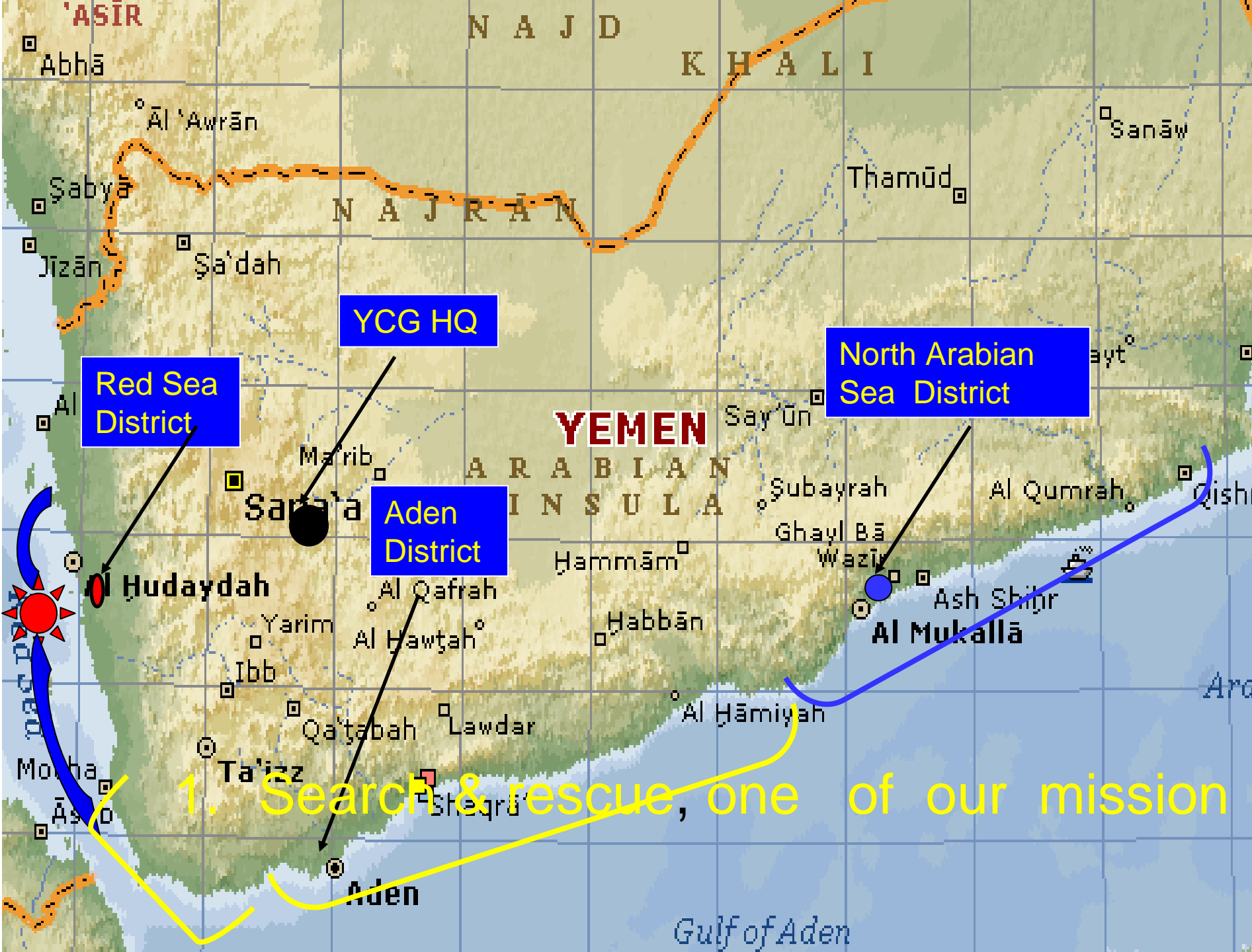


Floating units



YCG (Phase 1) Commenced Feb 08





Red Sea District

YCG HQ

North Arabian Sea District

Aden District

1. Search & rescue, one of our mission

ACTION PLAN

Project title

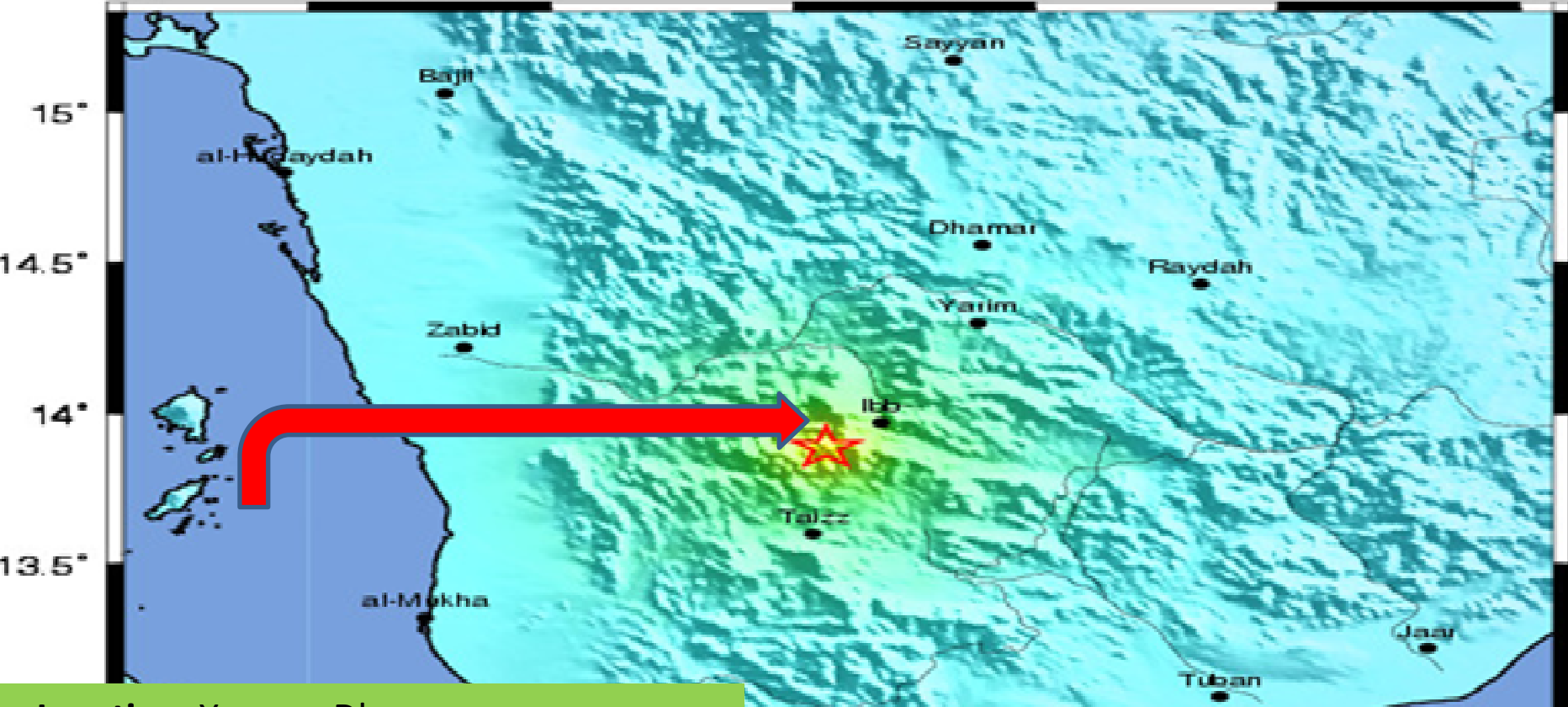
*Disaster Risk Reduction Capacity
Building in Dhamar city in Yemen*

1-BACK GROUND

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.

USGS ShakeMap : YEMEN

Fri Nov 22, 1991 00:40:23 GMT M 4.7 N13.89 E44.07 Depth: 10.0km ID:199111220040



- **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.

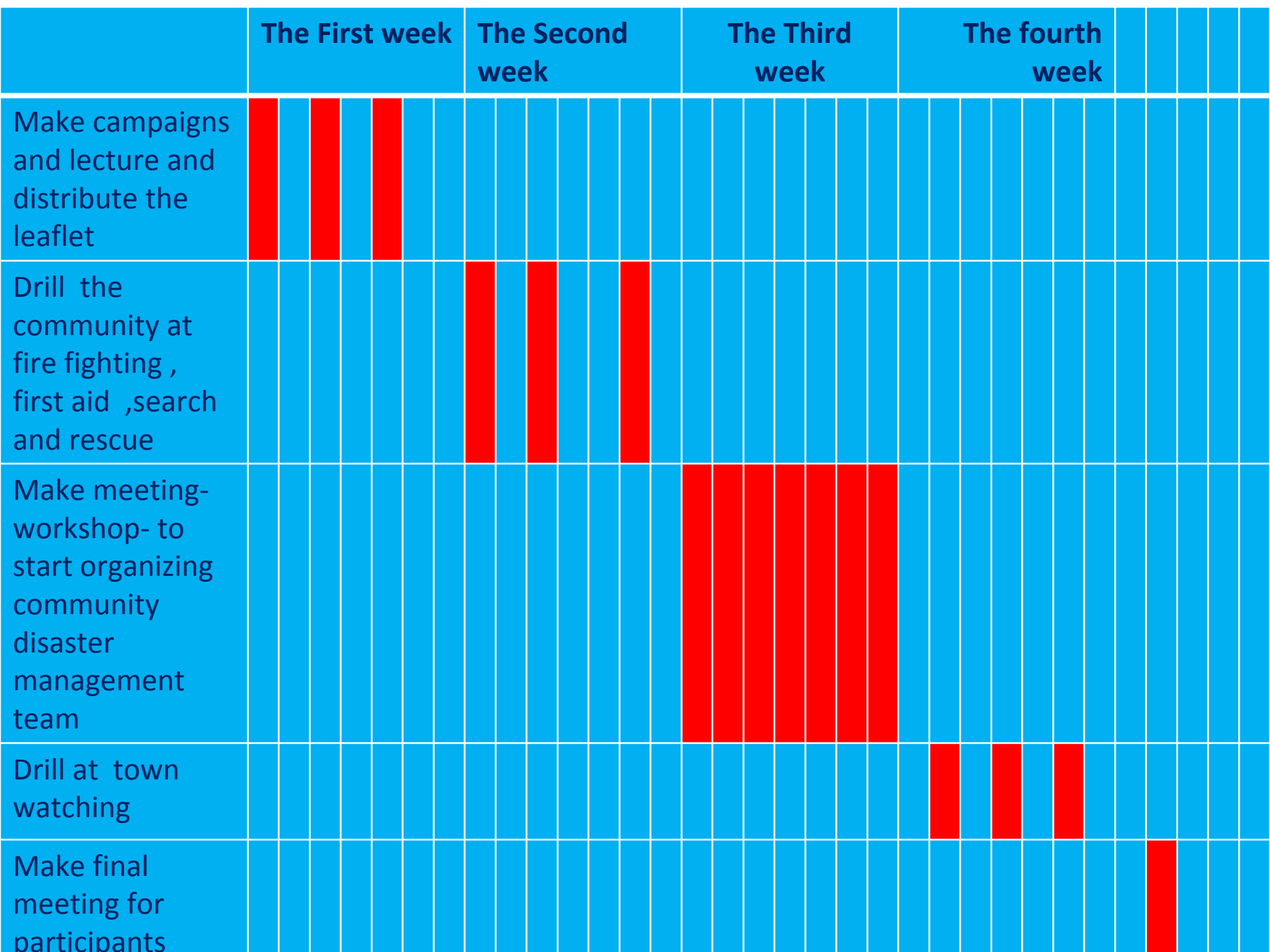
Local government

7-Estimated Budget

No	<i>particulars</i>	USD	<u>Duration-participants number-fees</u>
1-	<u>transportations</u>	3,000	1-52-days -for staff - 10person 2-10-dayes for training team, 15-person
2-	<u>Stationeries</u> —CD, projector-handbook leaflets about earthquake	10,000	1-5000CDabout earthquake 2-projector-2 3-leaflet 5000about earthquake 4- notebook-pens -files-etc
3-	<u>Lunch</u> - for participant	2,000	1-staff- 10 person duration 52 day 2-training team 15 person -10days
4-	<u>Another</u>	6,000	1-Fees for staff- 10 person for52 days-\$24 per day 2-training team 15 person -duration10days-20\$per day 3-communication-500\$
	<u>total</u>	21,000	

8-Work plan schedule

Activities	UNIT OF TIME					
	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
1 Discussion with partner unit	■ ■ ■ ■					
2 Discussion with local government in dhamar city		■ ■ ■ ■				
3 Prepare the materials which are used for raising awareness			■ ■ ■ ■			
4 Discussion with school Manager and some local community Boss about time and place of training				■ ■ ■ ■		
5 Start working all activates of the action plan					■ ■ ■ ■	





Thank you very much
for
Your kind Attention

