

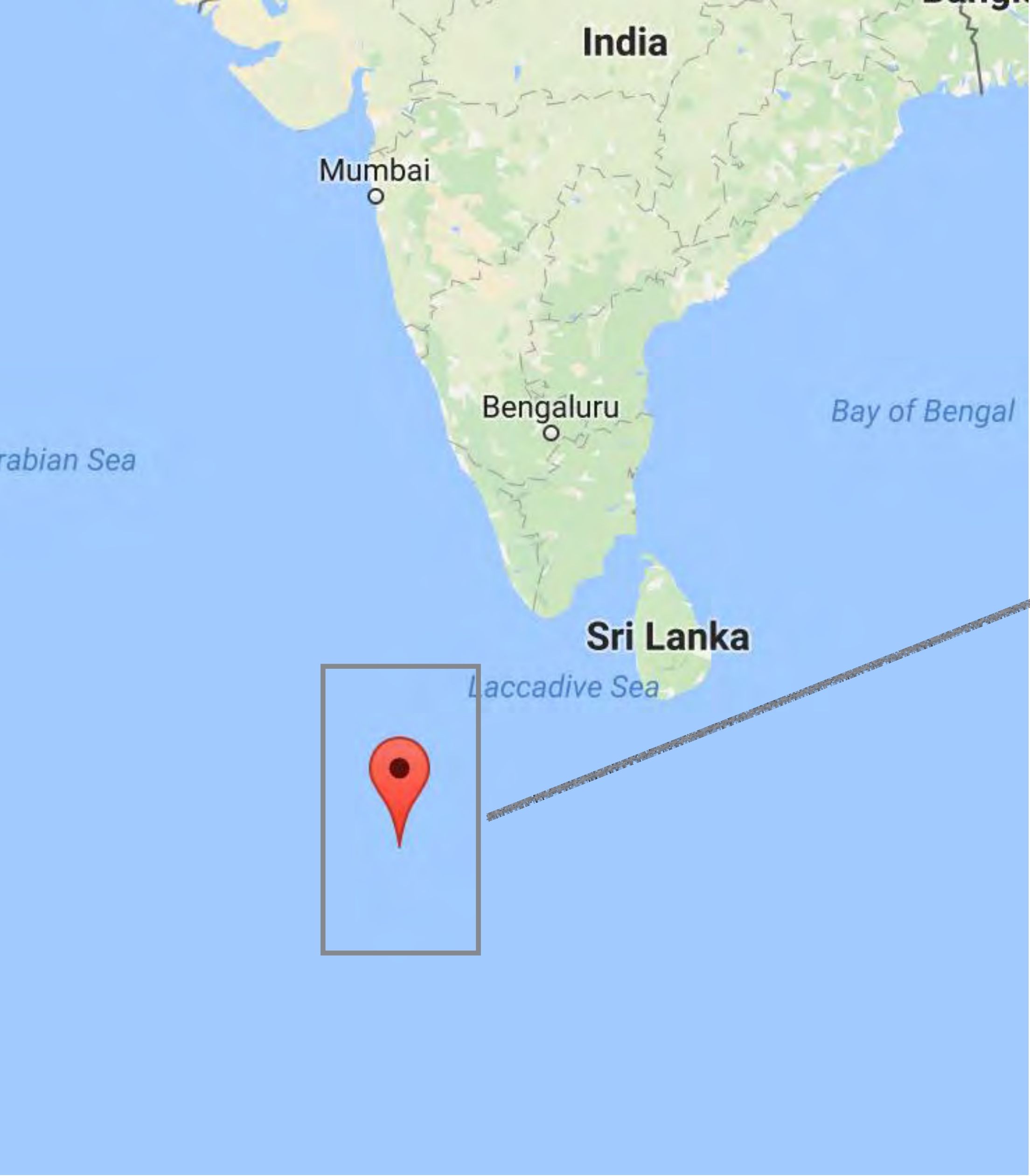


EXISTING INSTITUTIONAL ARRANGEMENTS FOR RAPID DAMAGE ASSESSMENT IN MALDIVES

Contents


- ✓ General description
- ✓ Hazards
- ✓ Disaster management system in the Maldives
- ✓ Rapid Damage Assessment
- ✓ Challenges in disaster management

General Description






Situated south west of Sri Lanka and India in the middle of the Indian Ocean, the Maldives is among the most low-lying, geographically isolated country in the world.



With a population of 402,071 spread over 186 inhabited islands. Maldives is also among the world's most geographically dispersed countries, which poses a wide range of development constraints

With an average height of 1.5 meters above mean sea level, the Maldives comprises of 1190 islands grouped into 26 geographical atolls that form a chain over 820 kilometers in length, over an area of more than 90,000 square kilometers.





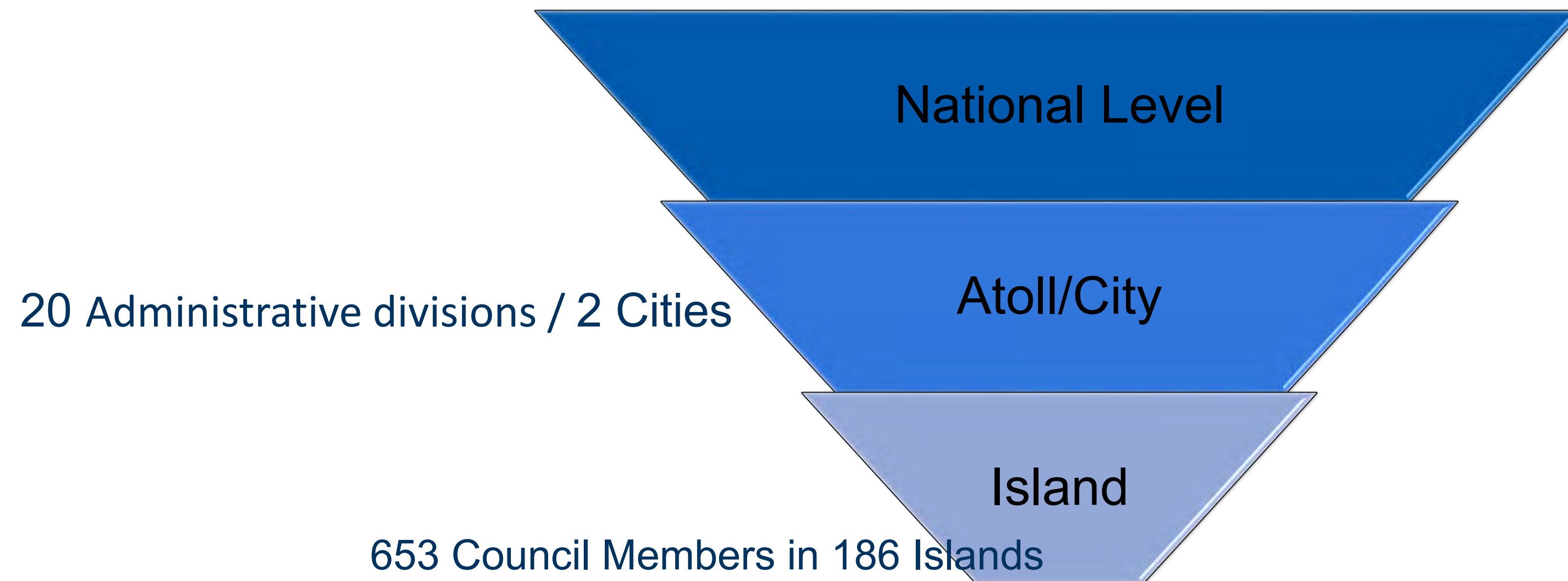
Located on the equator, Maldives experiences monsoonal climate. There are two seasons, *Iruvai Monsoon* (Northeast Monsoon) - the dry season extending from January to March/April and *Hulangu Monsoon* - wet season (Southwest monsoon).

Yearly temperatures: 26.6°C to 31.1°C

(NBS, Pocket Book, 2017)

GOVERNMENT

- Presidential representative democratic republic.
- Unicameral legislature.
- Independence: July 26, 1965 (from the British).
- Current President: Mr. Ibrahim Mohamed Solih(2018).



Hazards

Likely Hazards In The Maldives:

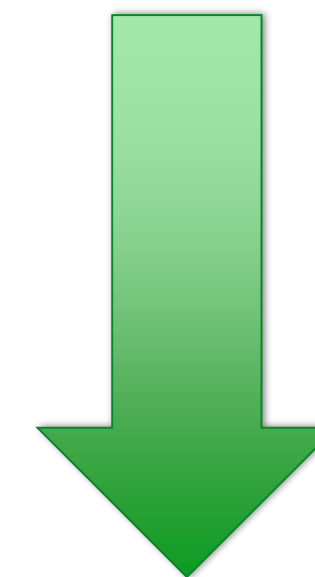
Natural Hazards

- Tsunami
- Flood
- Tropical Storms
- Cyclones
- Sea Surge
- Coastal Erosion
- Drought /Water Shortage
- Earthquake

Man-Made Hazards

- Fire
- Internal Conflicts
- Maritime Incidents
- Epidemics
- Economic and Financial Crisis
- Airport Emergencies

Low
Frequency



High Impact

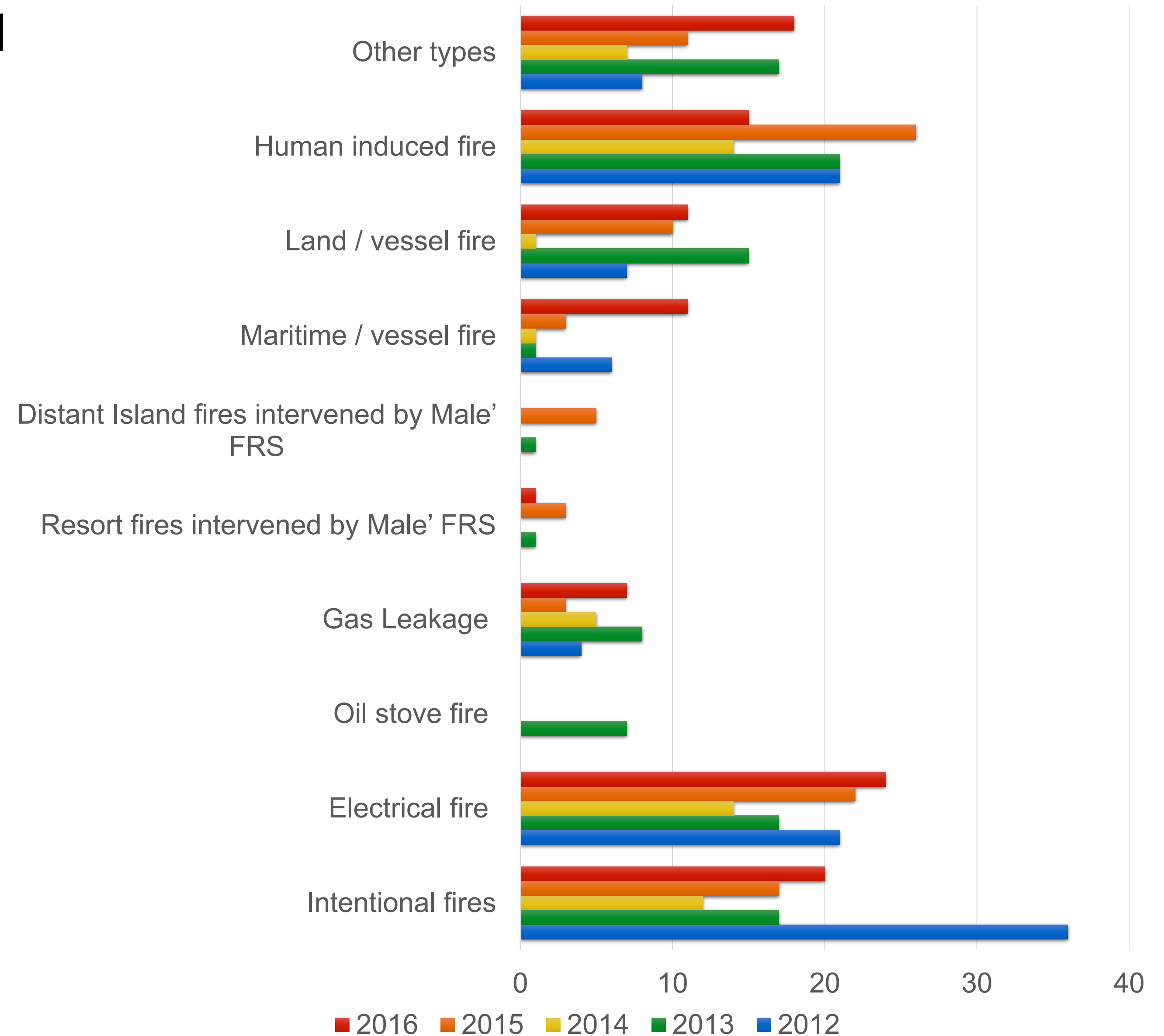


Fire Incidents

- Urban / Residential fires remains a critical concern as the rate has increased over the previous years.
- Frequency – Very High.



Status of Fire Incidents
2012 - 2016



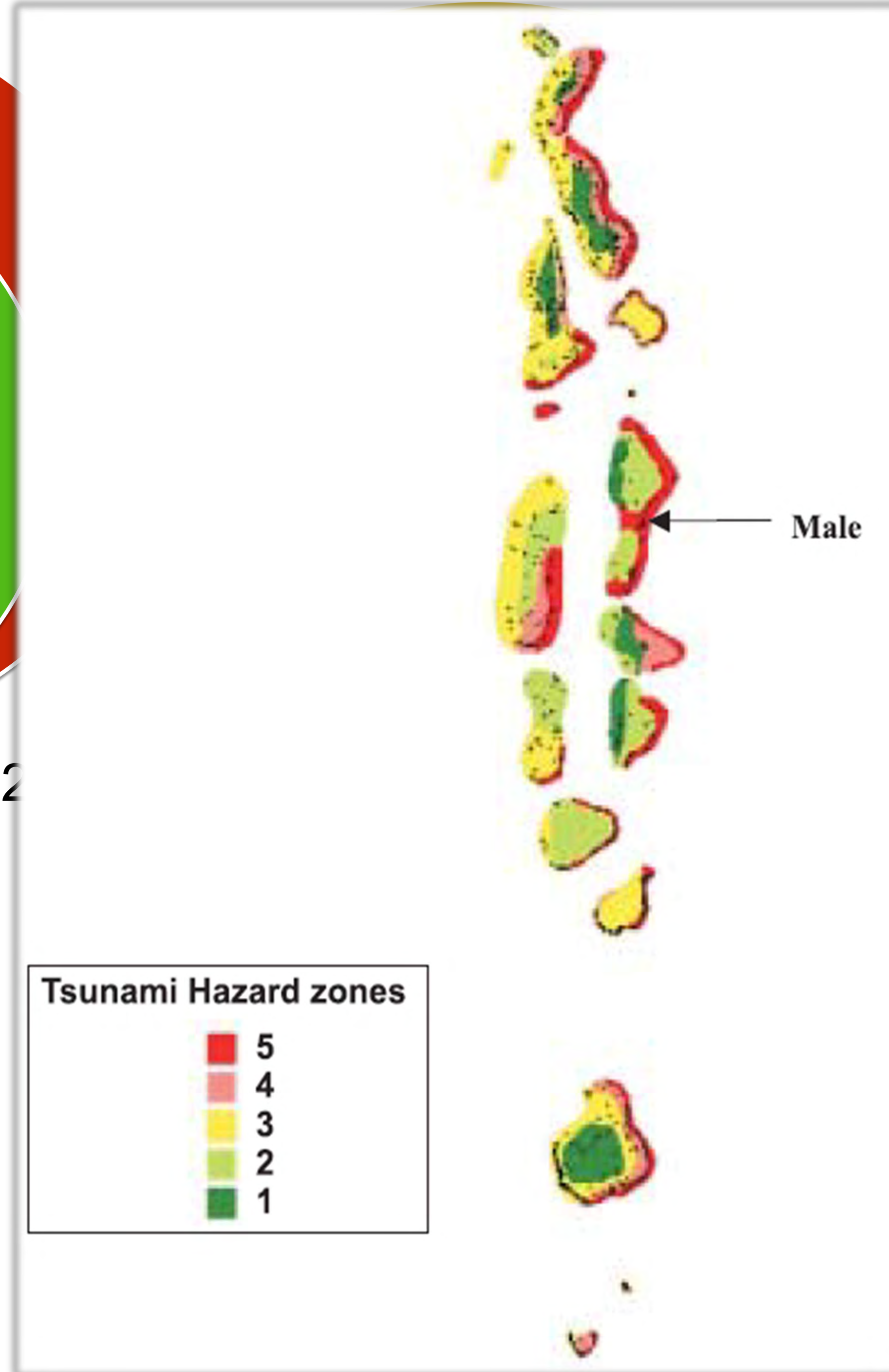
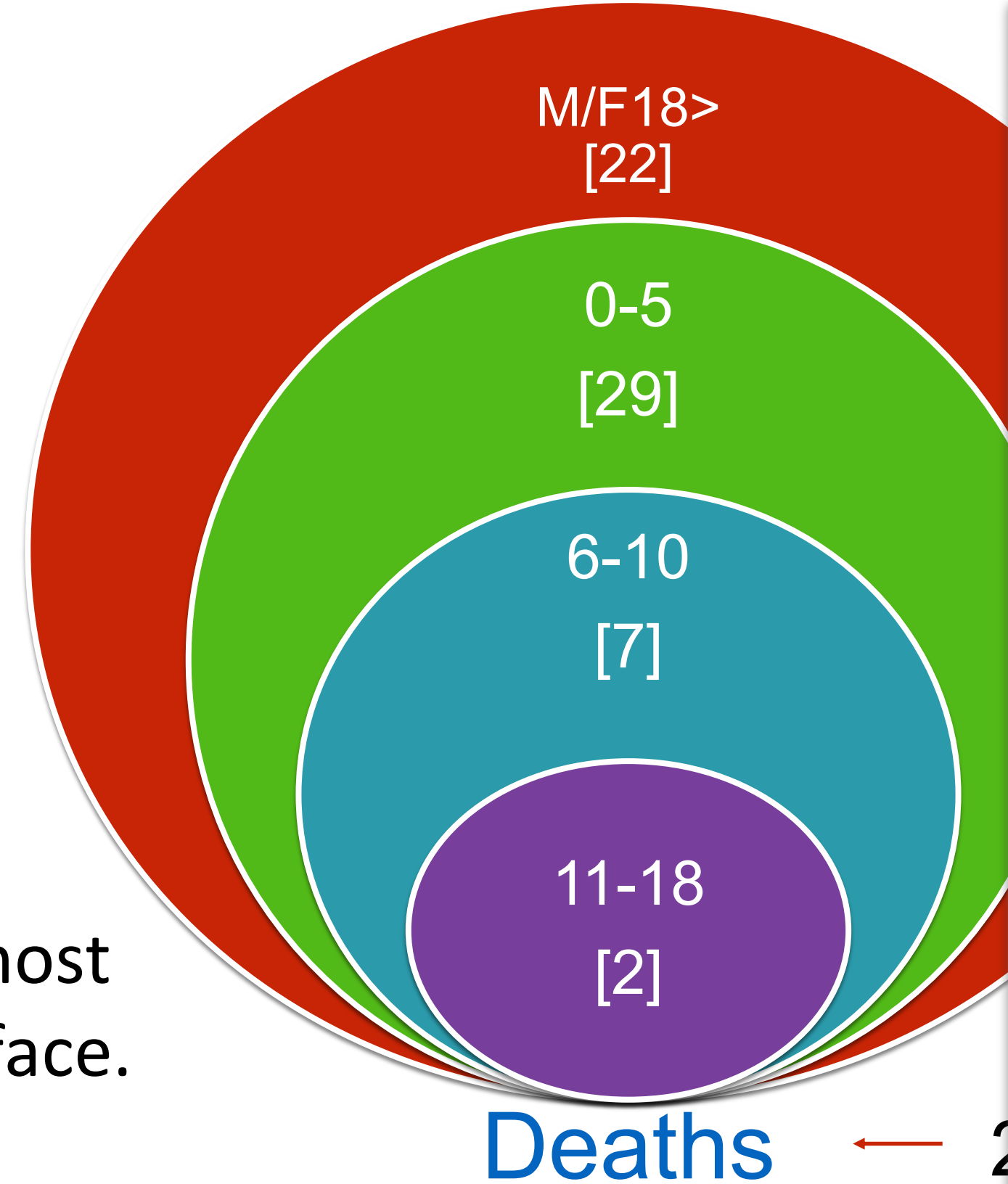
Flooding

- Maldives is more prone to coastal flooding than heavy rainfall flooding.
- Flooding causes many adverse effects to number of sectors.



Tsunami

- First time large number of IDPs.
- Low elevation makes a tsunami the most dangerous hazard the country could face.
- Huge impact on the economy. - 65% GDP loss



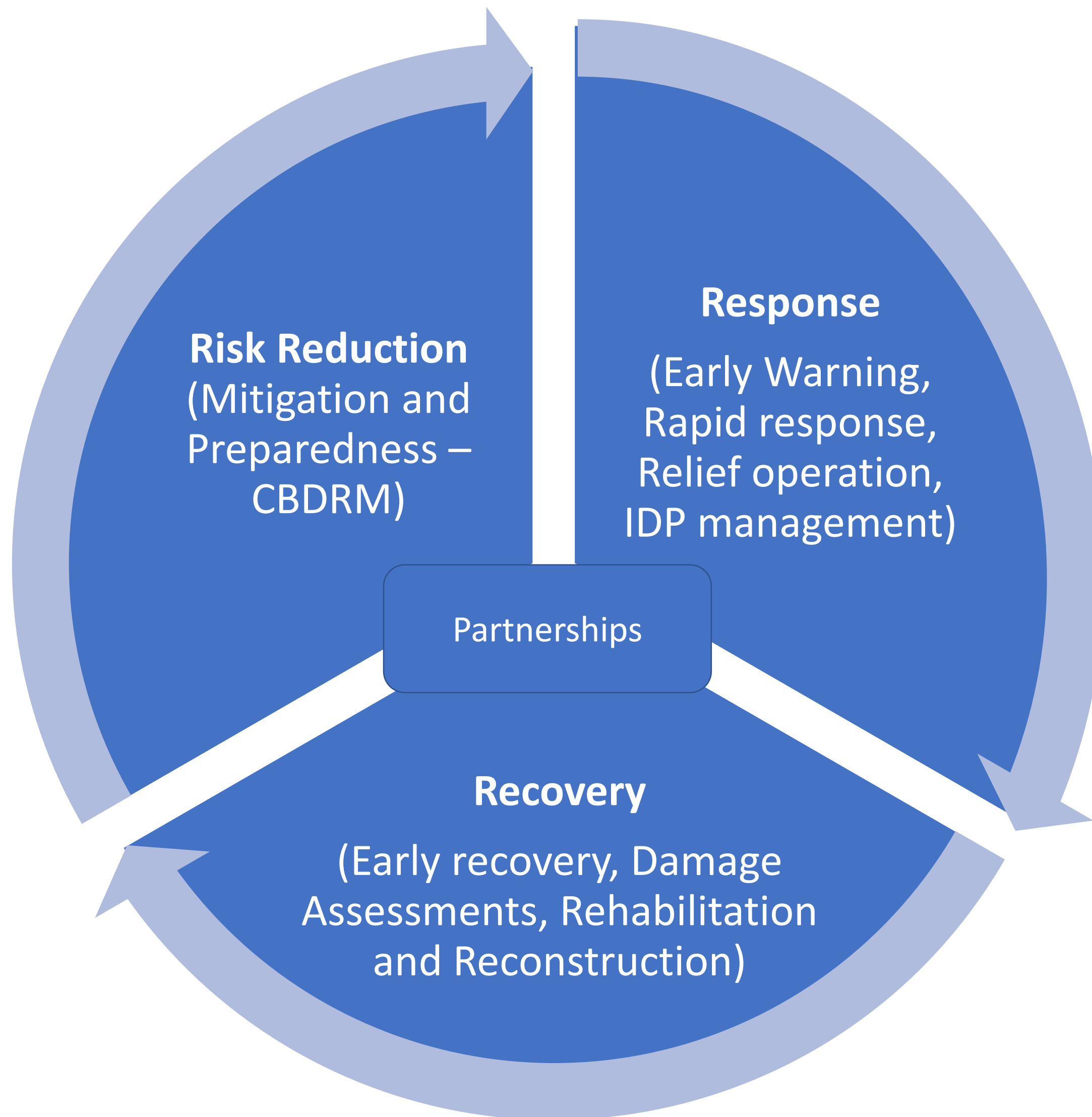
Sea Level Rise

- Biggest long-term hazard.
- Effect of global warming.
- If sea level continues to rise, the worst case scenario is that majority of the Maldives would be underwater by 2100.



Disaster Management System In The Maldives

Background



NDMC - established by a presidential decree (2004/77) with the primary role of coordinating disaster management.

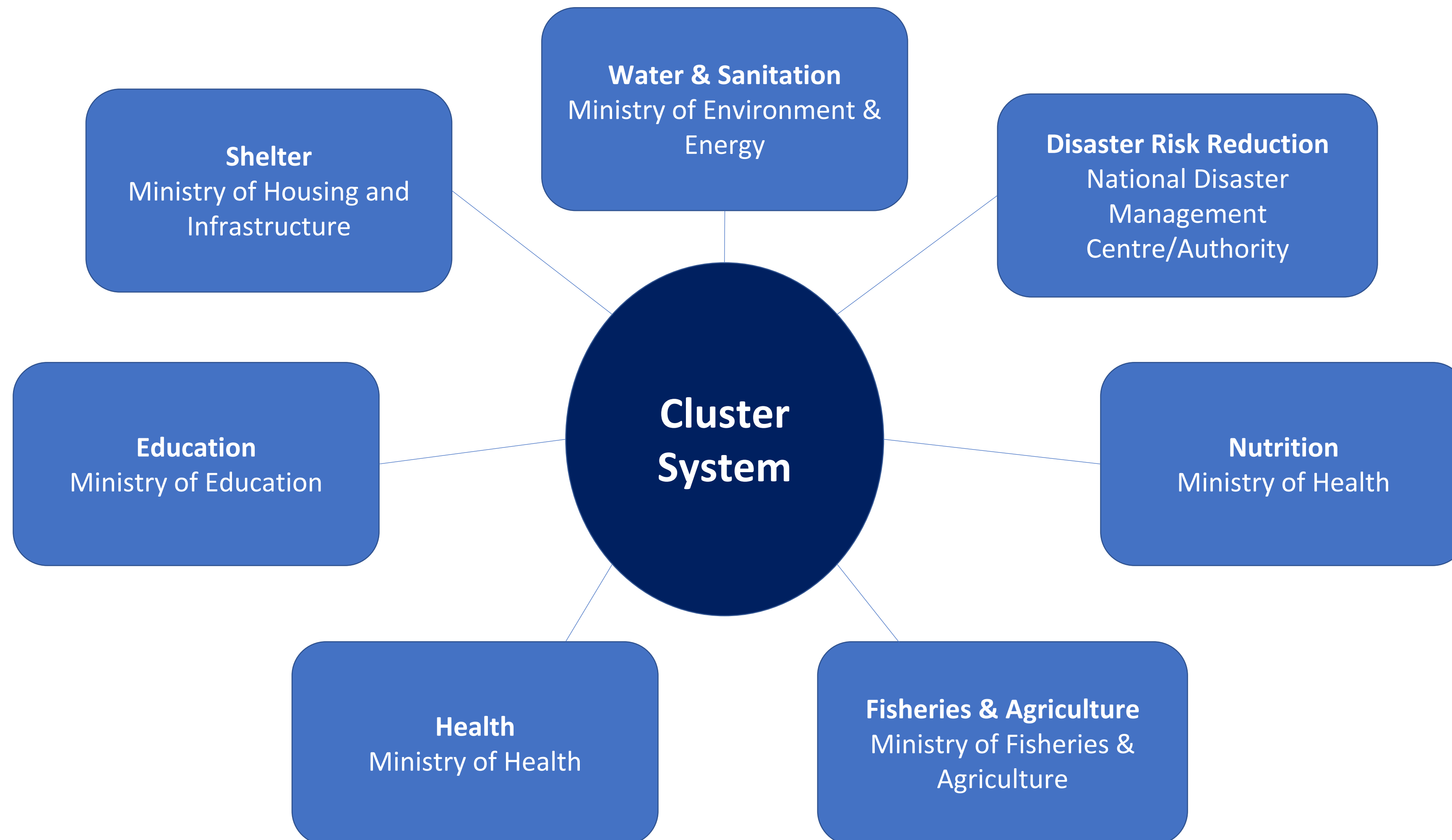
NDMC is mandated to organize and conduct various programs needed to prepare the public both natural and otherwise, and raising government and public awareness of such event.

28/2015 Disaster Management Act;

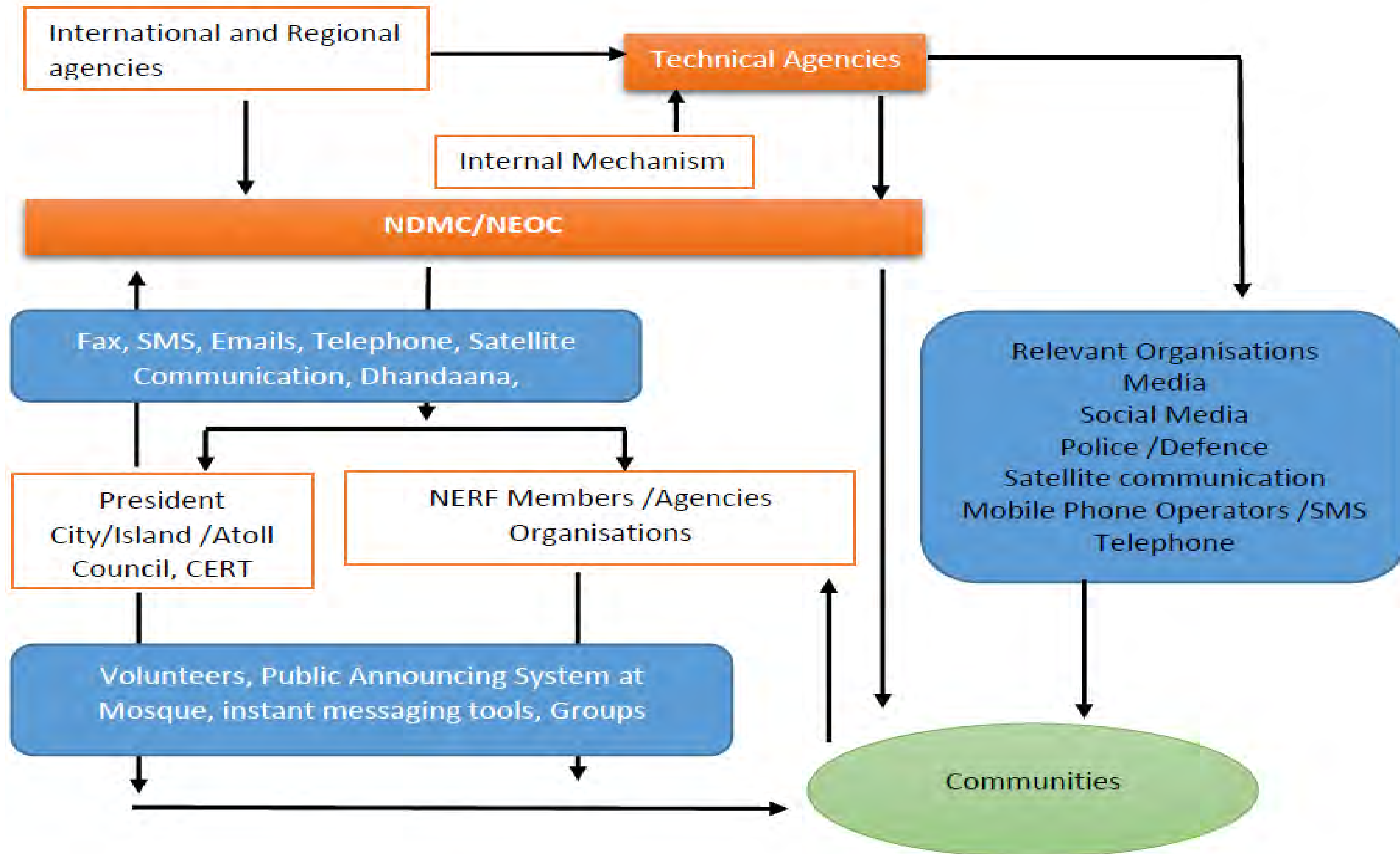
State responsibilities;

- Increasing national level and island level response capacities,
- Providing rapid response and relief in disasters

The Cluster System for Disaster Management

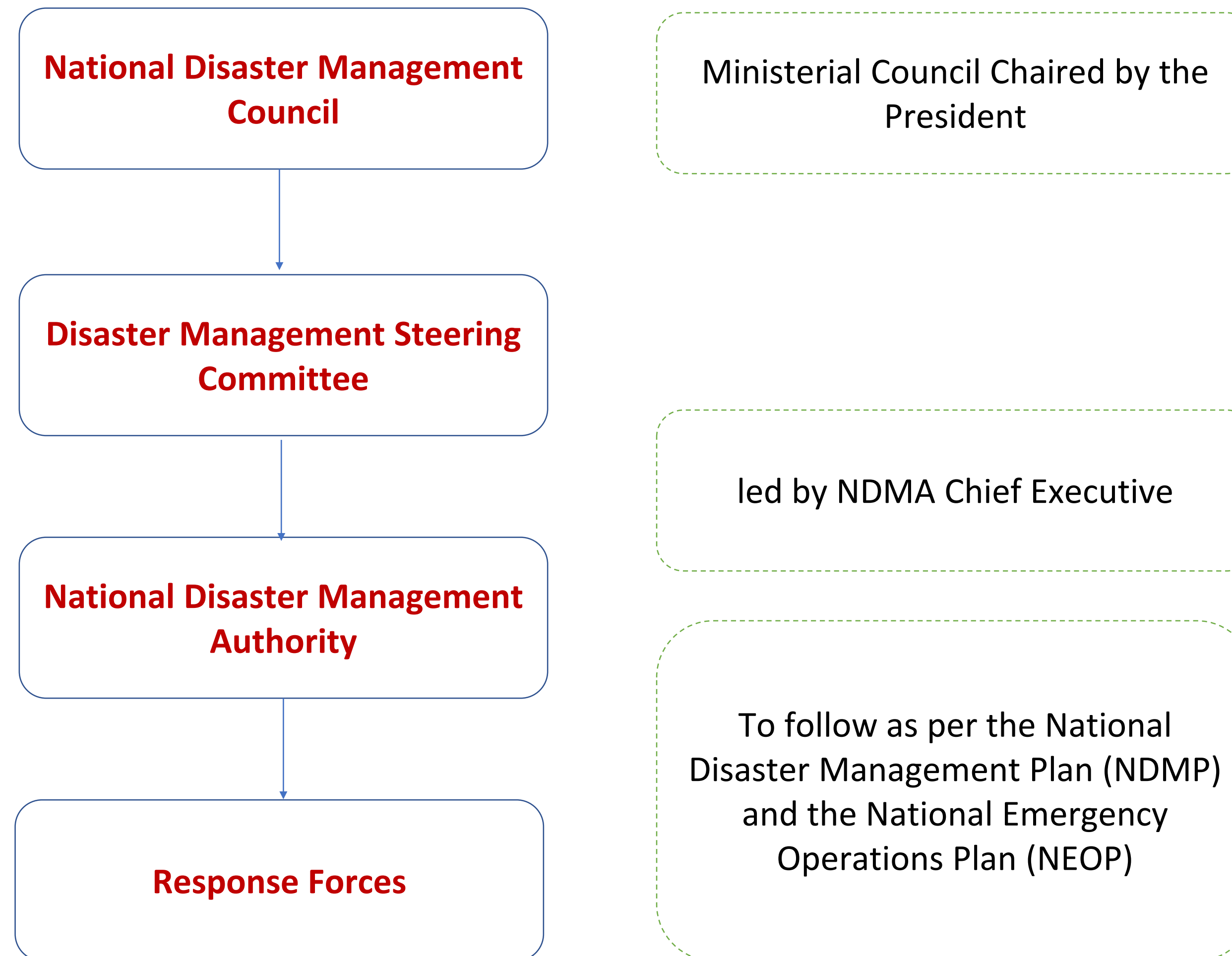


Method of receiving early warning information and dissemination



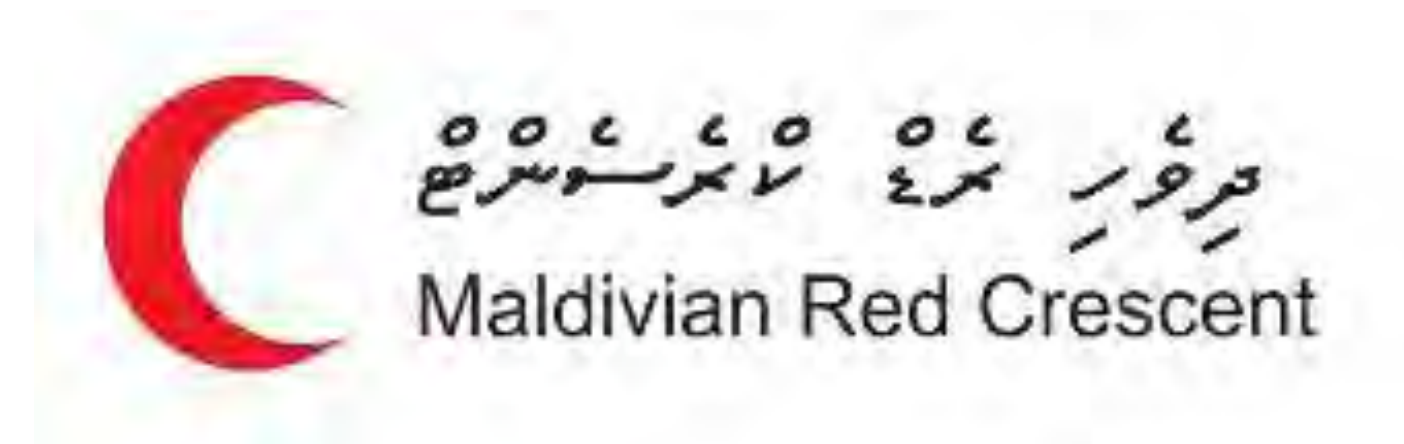
Emergency Response Mechanisms in Maldives

Decision Making in Emergencies and Disaster in Maldives (as per the DM Act)



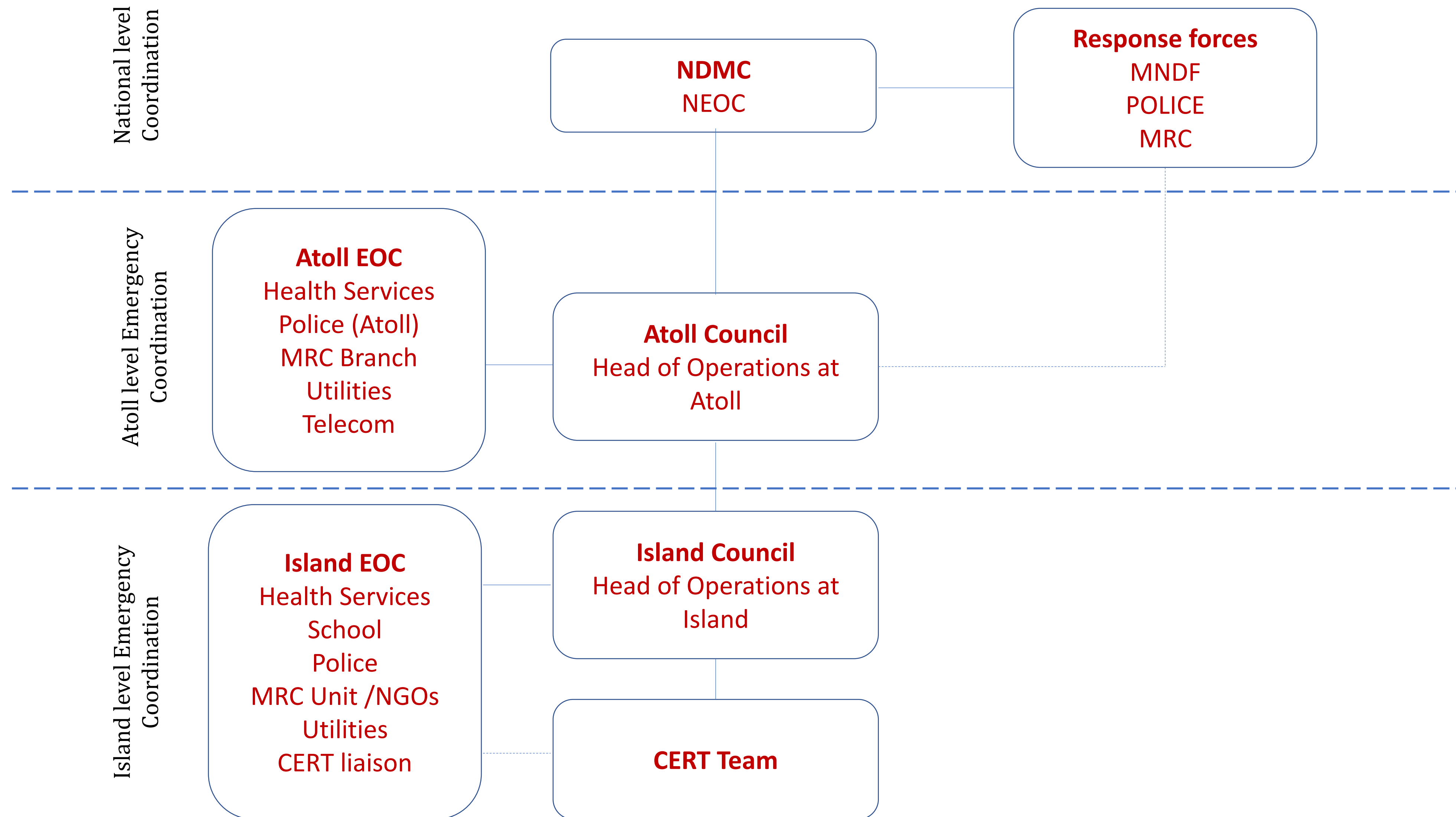
Who are the Response Forces in Maldives?

Chapter 8 of the Disaster Management Act.



Health Protection Agency
Ministry of Health
Maldives

Response and Coordination Mechanism



Early Warning and Emergency Communications System



A network of 36 points across the country will be connected through satellite communications

A fail proof telecommunication system



Disaster Information Hub

Cap On a Map - Dhandhaana System



Sends out alert messages to all disaster focal points. Messages go out as texts, emails and also via RSS feed.

Contact information of disaster focal points from all islands, government companies, corporations and major NGOs have been collected.

Messages will go out immediately to the disaster focal points in case of a disaster

Rapid Assessments

[illegible][illegible]

Rapid Assessment Form

Emergency Type:

Date:

ދިވެހި ރާއްޖޭގެ ރަތް ވަނަދުވަތު

ކަންދައްކާ ވަނަދުވަތު

ތާރީޚު:

1.a) Branch/Atoll Name (1.a) ބަނޑު/އަތޮލުގެ ނަންމު	1.b) Branch/Atoll Population (1.b) ބަނޑު/އަތޮލުގެ މީހުންގެ އަދަދު	1.c) Branch/Atoll No. of Households (1.c) ބަނޑު/އަތޮލުގެ ގެޒެޓްތަކުގެ އަދަދު
2.a) Unit/Island Name (2.a) ޔުނިޓް/އިލަންދުގެ ނަންމު	2.b) Unit/Island Population (2.b) ޔުނިޓް/އިލަންދުގެ މީހުންގެ އަދަދު	2.c) Unit/Island Households (2.c) ޔުނިޓް/އިލަންދުގެ ގެޒެޓްތަކުގެ އަދަދު

3. ERT Team Leader 3. ބީއެންޓީއެލްޕީގެ ލީޑަރު		4. Unit Contact Person 3. ޔުނިޓްގެ ޕަރިޔާލާ ފޯމު		5. Branch Contact Person 3. ބަނޑުގެ ޕަރިޔާލާ ފޯމު	
3.a) Name 3. ނަންމު	3.b) Number 3. ނަންބަރު	4.a) Name 4. ނަންމު	4.b) Number 4. ނަންބަރު	5.a) Name 5. ނަންމު	5.b) Number 5. ނަންބަރު

6. People 6. ބަހައްޅިތަކު	6.a) Dead 6.a) ދަންވާ	6.b) Injured 6.b) ޖަނަވަރުވާ	6.c) Missing 6.c) ފެނިދާނެ ނޯންނަ
7. House 7. ގެޒެޓް	7.a) Less Damage 7.a) ތަންކުރަވާ ގެޒެޓް	7.b) Medium Damage 7.b) ތަންކުރަވާ ގެޒެޓް	7.c) Fully Damaged 7.c) ތަންކުރަވާ ގެޒެޓް
8. Internally Displaced Families 8. ރާއްޖޭގެ ތެރޭގ ބަދަލުކުރި ބަހައްޅިތަކު	8.a) Confirmed 8.a) ހަމަޖެހިފައިވާ		8.b) Estimated 8.b) ބަލާފައިވާ
9. How are Internally Displaced Families sheltered? (Relatives, Friends, Government, Camp, Others) 9. ރާއްޖޭގެ ތެރޭގ ބަދަލުކުރި ބަހައްޅިތަކުގެ ތެރޭގ ބަހައްޅިތަކުގެ ވަނަދުވަތު (އާއިރުމާތިން، ރަތްތެރިން، ސަރުކާރުގެ ބަހައްޅިތަކުގެ ތެރޭގ، ބަހައްޅިތަކުގެ ތެރޭގ، ބަހައްޅިތަކުގެ ތެރޭގ)			

10. Situation of Resources (10) ވަނަދުވަތުގެ ދިވެހި ރާއްޖޭގެ ވަނަދުވަތު	10.a) No Damage (10.a) ގެ ގެޒެޓްތަކުގެ ވަނަދުވަތު	10.b) Less Damage (10.b) ތަންކުރަވާ ގެޒެޓްތަކުގެ ވަނަދުވަތު	10.c) Medium Damage (10.c) ތަންކުރަވާ ގެޒެޓްތަކުގެ ވަނަދުވަތު	10.d) Fully Damaged (10.d) ތަންކުރަވާ ގެޒެޓްތަކުގެ ވަނަދުވަތު	10.e) Other Remarks/Any Other Hazards (Poison, Oil, Epidemic, Others) (10.e) ބަހައްޅިތަކުގެ ވަނަދުވަތު (އާއިރުމާތިން، ރަތްތެރިން، ސަރުކާރުގެ ބަހައްޅިތަކުގެ ތެރޭގ، ބަހައްޅިތަކުގެ ތެރޭގ)
Drinking Water (10.a) ބަނޑުގެ ބަނޑުގެ ވަނަދުވަތު					
Other Water Resources (10.b) ބަނޑުގެ ބަނޑުގެ ވަނަދުވަތު					
Sewerage System (10.c) ބަނޑުގެ ބަނޑުގެ ވަނަދުވަތު					
Education Systems (10.d) ބަނޑުގެ ބަނޑުގެ ވަނަދުވަތު					
Health Systems (10.e) ބަނޑުގެ ބަނޑުގެ ވަނަދުވަތު					
Electricity (10.f) ބަނޑުގެ ބަނޑުގެ ވަނަދުވަތު					
Communication (10.g) ބަނޑުގެ ބަނޑުގެ ވަނަދުވަތު					
Roads (10.h) ބަނޑުގެ ބަނޑުގެ ވަނަދުވަތު					
Land Transport (10.i) ބަނޑުގެ ބަނޑުގެ ވަނަދުވަތު					
Sea Transport (10.j) ބަނޑުގެ ބަނޑުގެ ވަނަދުވަތު					
Jetty/Harbour (10.k) ބަނޑުގެ ބަނޑުގެ ވަނަދުވަތު					
Airport (10.l) ބަނޑުގެ ބަނޑުގެ ވަނަދުވަތު					
Government Buildings (10.m) ބަނޑުގެ ބަނޑުގެ ވަނަދުވަތު					
Business Buildings (10.n) ބަނޑުގެ ބަނޑުގެ ވަނަދުވަތު					
Personal Items (Kitchen items, bedroom items, motor cycle, etc.) (10.o) ބަނޑުގެ ބަނޑުގެ ވަނަދުވަތު (ކިޔަން، ބެޑްރޯމްގެ ތަކުތާޢަތް، ބެޑްރޯމްގެ ތަކުތާޢަތް، ބެޑްރޯމްގެ ތަކުތާޢަތް، ބެޑްރޯމްގެ ތަކުތާޢަތް)					

Others آلېرې					
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11. People's Livelihood and the effect on it
 11. د خلکو د ژوند د کچې او د ژوند د اغېزې په اړه

12. Emergency Response د ځان امان ساتنې لارښوونې	Yes آري	No نې	Don't Know نې خبره	How are they responding? چې ځواب ورکوي
12.a) Is the Government responding? (12.a) د حکومت سره ځواب ورکوي؟				
12.b) Is the NGO's responding? (12.b) د نړيوالو ټولنو سره ځواب ورکوي؟				
12.c) Is the community responding? (12.c) د ټولنې سره ځواب ورکوي؟				

13. ERT Team and Leader's Comments: (please give details)
 13. د ځان امان ساتنې لارښوونې او د لارښوونې لارښوونکي د ځواب ورکولو په اړه (په تفصيلي توګه)

Branch Emergency Committee Chair د څانګې د ځان امان ساتنې لارښوونکي	Branch Secretary د څانګې د لارښوونې لارښوونکي	ERT Team Leader د ځان امان ساتنې لارښوونکي
Name نوم	Name نوم	Name نوم
Sign ساین	Sign ساین	Sign ساین
Date نېټه	Date نېټه	Date نېټه

Note: ښه
 Less Damage: Safe to live in the building, small repairs is there.
 Medium Damage: Unsafe to live in the building, huge repairs are there, can live after repair
 Fully Damaged: It is unsafe and full reconstruction needed
 To submit with this form: څانګه د ځان امان ساتنې لارښوونې سره سم
 Island Map, marking the affected area
 All pictures and documents related to the emergency

[illegible]

Building Back Batter Approach

Disaster Relief BML Loan Scheme

- Introduced in 2016.
- Loan scheme introduced under MOU signed with BML.
- BML provides loans up to 40% of the total costs to recover from total damage.
- Long term repayment period of 15 years.
- Provides a maximum loan amount of MVR 510,000
- Interest rate is 9% (lowest interest rate by BML)
- One year grace period

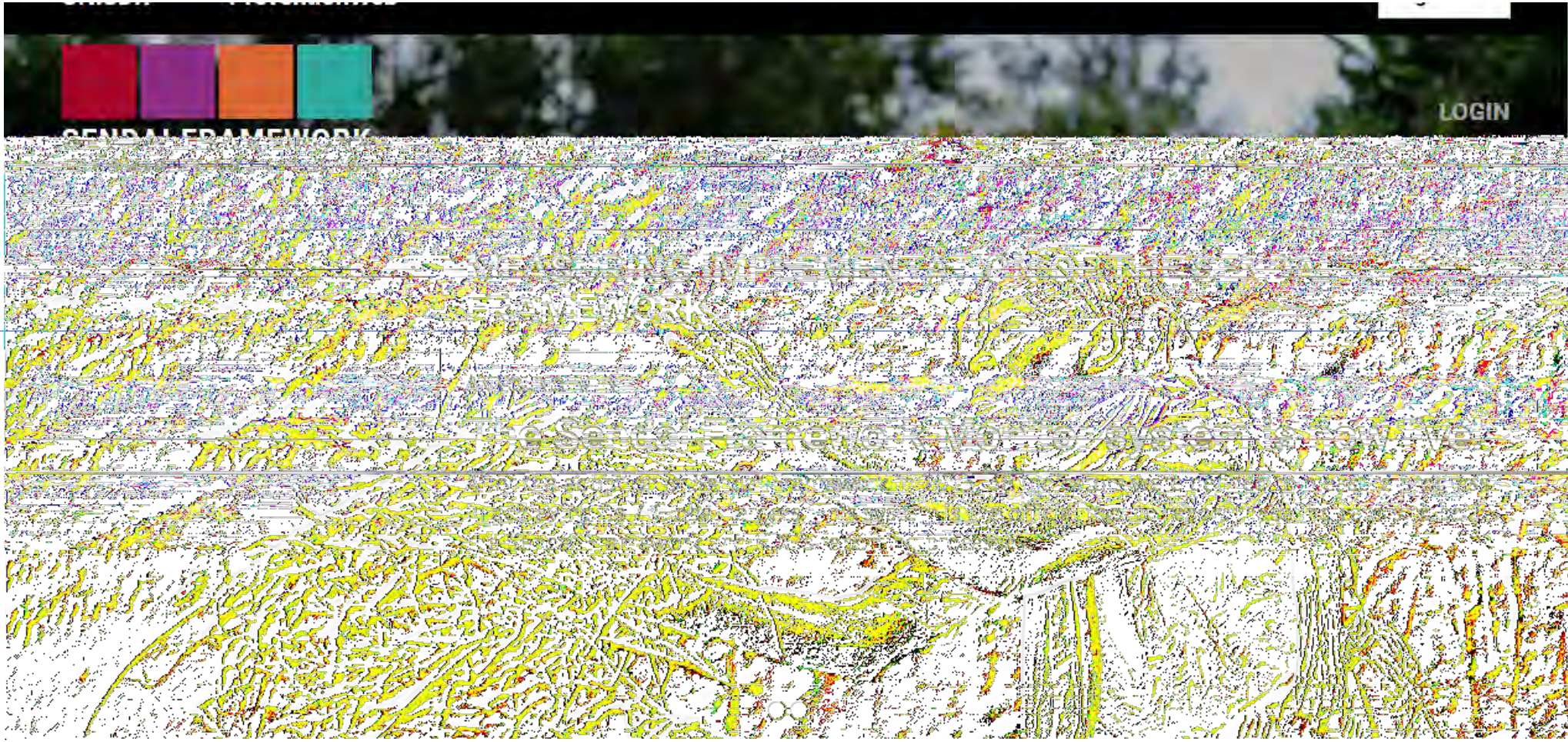


Disaster Insurance Scheme (Ayady Kaarisaa Thakaful)

- Insurance scheme that covers all natural disasters and fire incidents.
- Compensation for infrastructural and structural damages to buildings and properties.
- Individuals joining the scheme have to pay 0.18% every year for the insured infrastructure and properties.
- Scheme also has further add-on packages.



Implementation of SFDRR in Maldives



- Develop an Action Plan for SFDRR implementation - work in progress as part of NDMP.
- Reporting and Evaluation.

GLOBAL TARGETS

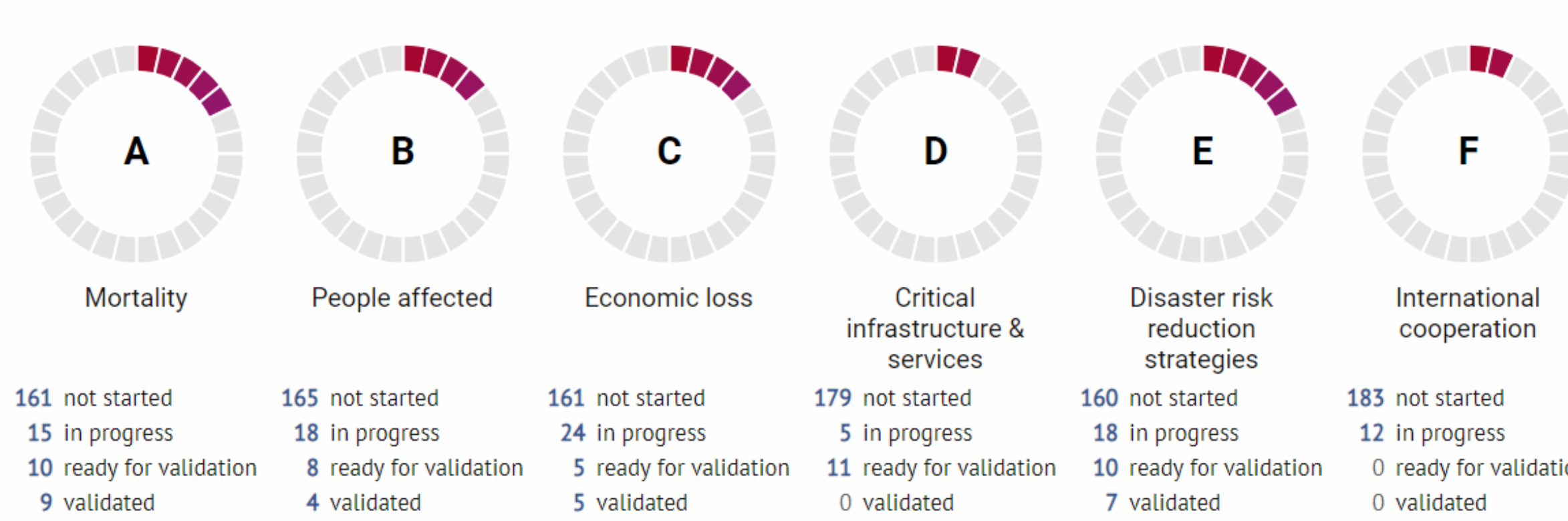
Reporting year: 2017

PROGRESS OF GLOBAL TARGETS

COUNTRY REPORTING OVERVIEW



TARGET REPORTING OVERVIEW



Building Partnerships

- Enhancing existing partnerships with the local island councils and atoll councils.
- Building new partnerships with the major stakeholders of Disaster Management from public and private sector.
- Strengthening partnerships with international organizations.
- Bringing together government agencies to build the conversation to carryout DRR activities and successfully implement SFDRR.



Challenges of Assessment

- No state budget for the teams.
- Remote Island/atoll
- More logistics/Travel cost
- Poor legal framework
- Lack of local capacity
- Lack of coordination between agencies and overlap of mandates
- Lack of awareness at governance and community level
- Difficult to priorities in the absence of major disasters.
- Weak building code



Thank You !

