

DRR strategies for Build Back Better

- Recent updates from Japan's experience of
disasters in 2018-



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IRP Forum in Kobe

Lessons from disasters in 2018 regarding DRR strategies for Build Back Better

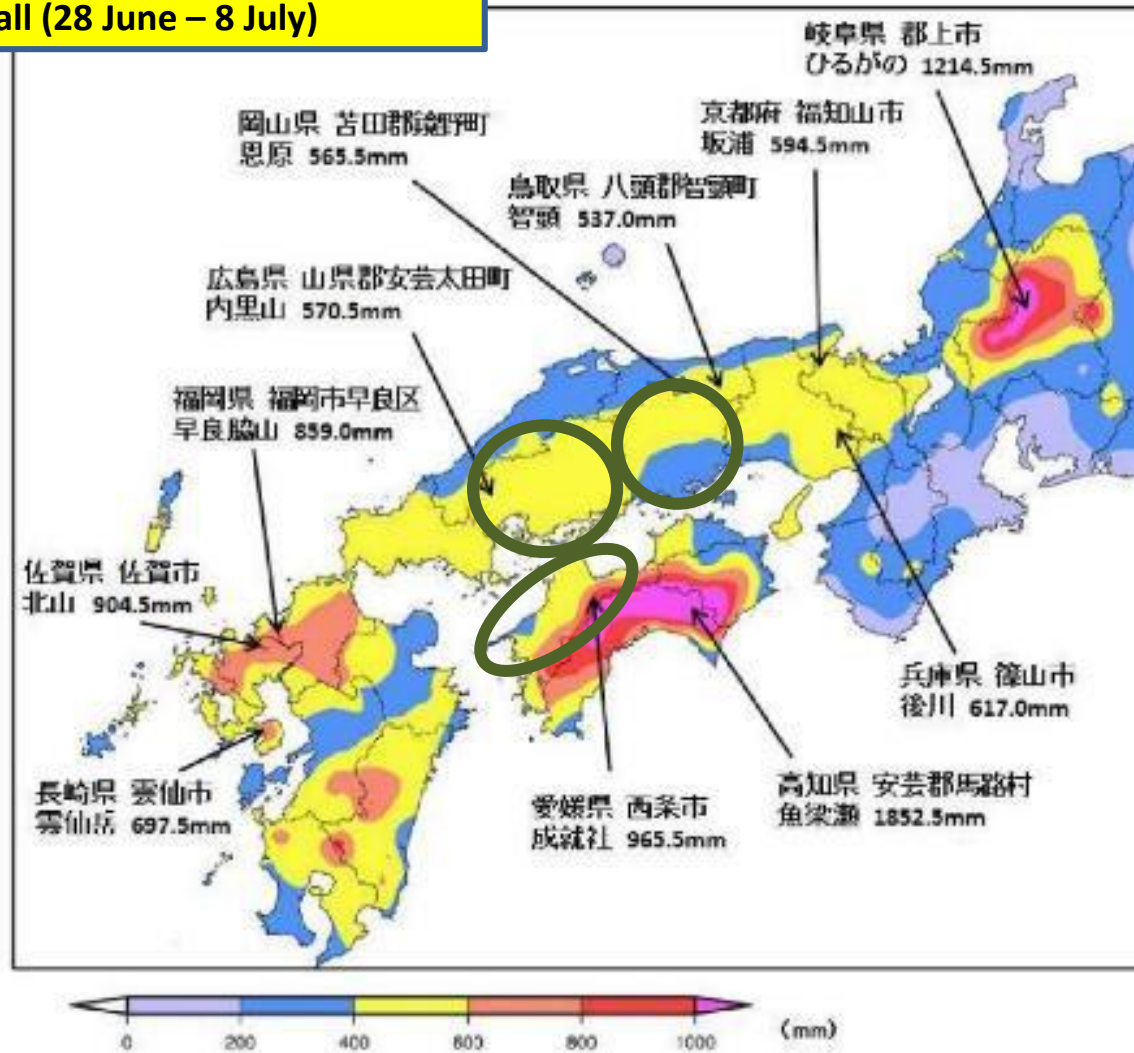
1. Build “what” Back Better?
 - Infrastructure : Comprehensively reviewed its resilience
 - Society : <Mr. Kurita will elaborate>
 - Economy (Industry, business etc...) : Business Continuity Plans

2. DRR strategies at community level
 - Need to be integrated with DRR strategies by governments

West Japan Torrential Rain 2018 July

Due to a seasonal rain front and the typhoon No.7, the air surrounding Japan was warm and very humid during 28 June and 8 July. It caused record heavy rain all over Japan, in particular, in western part.

Total rainfall (28 June – 8 July)



West Japan Torrential Rain 2018 July –Loss and damage–

Damage on people (as of 9 October 2018)

Prefectures	Death	Missing	Seriously injured	Injured
Okayama	61	3	9	152
Hiroshima	109	5	49	89
Ehime	29		29	6
Other	25		22	68
Total	224	8	109	315

Damage on housings (as of 9 October 2018)

Prefectures	Destroyed	Half destroyed	Partially destroyed	Flooded above floor	Flooded under floor
Okayama	4,822	3,081	1,108	2,921	6,035
Hiroshima	1,085	3,258	1,996	3,234	5,603
Ehime	632	3,212	92	360	2,692
other	156	1,168	511	2,125	7,246
Total	6,695	10,719	3,707	8,640	21,576

Damage on utility

	Affected households	Recovery
Electricity	80,000	Recovered by 13 July in habitable area
Water	263,593	Recovered by 13 August (except destroyed houses)

West Japan Torrential Rain 2018 July

Ozu city



Seiyo city



Uwajima city



Matsuyama city



West Japan Torrential Rain 2018 July – Government Response–

- 2 July : Warning Meeting among Ministries
- 5 July : Press Conference by Japan Meteorological Agency on heavy rain
- 6 July : Press Conference by JMA on the possibility of issuing Special Warning, Meeting among Ministries regarding response
- 7 July : Ministerial Meeting, Prime Minister's order for emergency operation, **Cabinet Office dispatched two contact missions to Okayama and Hiroshima Prefectures**
- 8 July : **Emergency Response Head Quarter** was established. HQ meeting took place 23 times until 6 September. **Cabinet Office dispatched a contact mission to Ehime Prefecture**
- 9 July : Government Research Mission was dispatched, headed by the Minister of Cabinet Office. Support Team for the Affected People was established.
- 10 July : Logistics Team was established.
- 12 July : Cabinet Decision to use reserve fund (2 billion yen)**
- 2 August : Package Programme to Support Recovery Livelihoods and Industry was announced.
- 3 August : Cabinet Decision to use reserve fund (105.8 billion yen)**

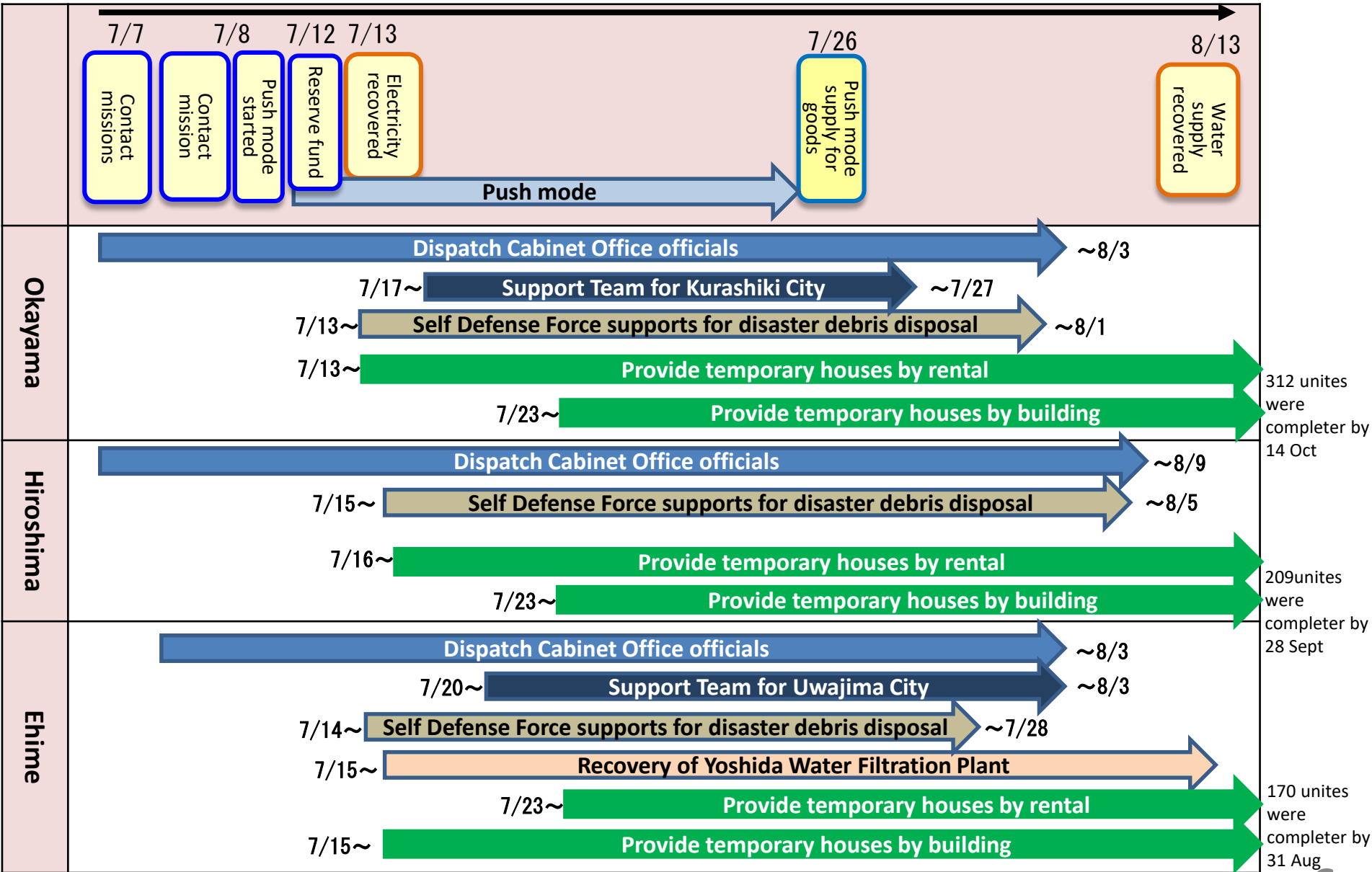


Prime Minister's visit to Ehime Prefecture(13 July)



Minister of Cabinet Office visited Okayama Prefecture (9 July)

West Japan Torrential Rain 2018 July –Support to recover livelihoods–



Package Programme to Support Recovery Livelihoods and Industry

2 August 2018

1. Principle

- Coordinate a programme regarding actions to be addressed immediately for the recovery of livelihoods and industry in the affected area. Use the reserve fund for smooth implementation of the programme. Make the reserve fund available, as appropriate, so that the affected people could be reassured, and the affected local governments could take actions for recovery and reconstruction without financial concern.
- Expedite the emergency recovery, considering the details of local circumstances caused by the disaster. Pursue the recovery of local economy in the affected area and provide support with close communication. Encourage affected SMEs to continue their business with predictability and hope.

2. Support programme

(1) Recovery Livelihoods

- Disaster debris and wastes
 - Financial support mechanism
- Housings
 - Temporary housing, Emergency repair, Housings and financial support
- Finance
 - Loan, deduction, and financial support for the affected municipalities
- Continuous support
 - Social care, community care for the affected people



(2) Recover industry

- SMEs
 - Grant for Group SMEs
 - Financial support
- Agriculture, fishery and forestry
 - Financial support
 - Recovery of Agriculture reservoir
- Tourism
 - Financial support for accommodations
 - Disseminate information on the affected area
- Employment
 - Financial support



(3) Recovery infrastructure

- Expedite infrastructure recovery projects
- Dredging rivers, removing floated woods, rocks and mud

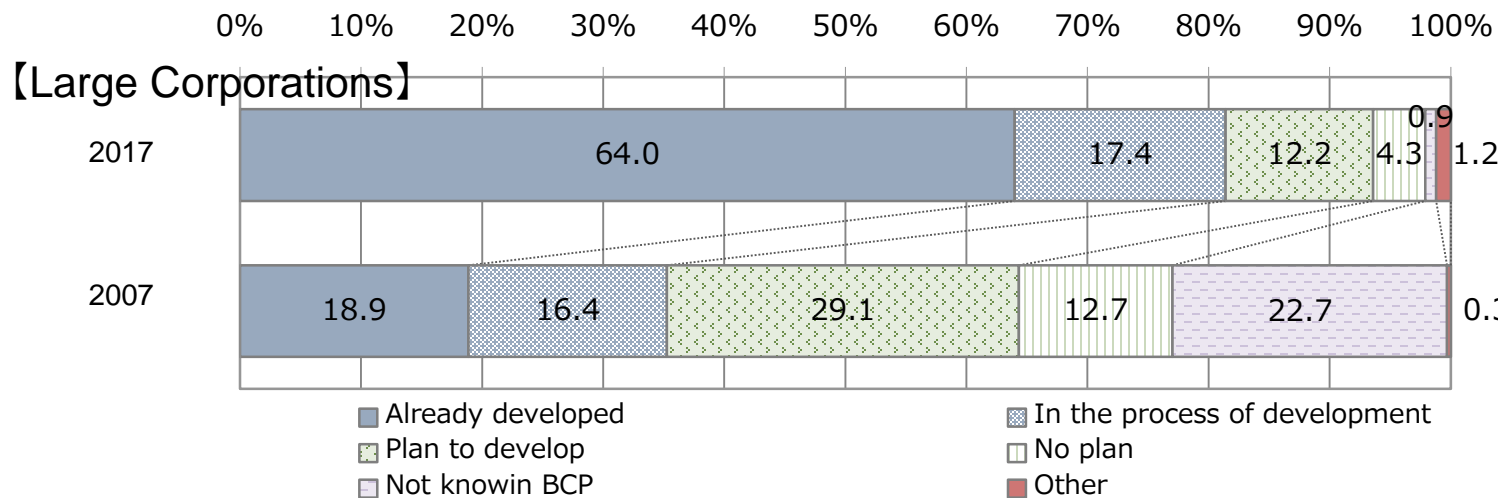


(4) Rescue, response, recovery

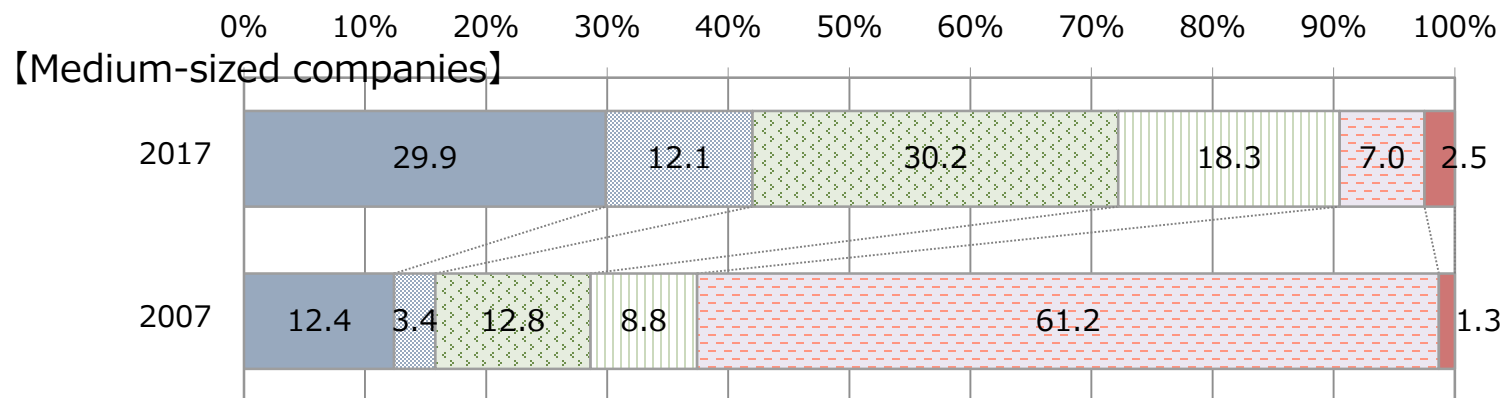
- Supporting the affected people
- Support by the Self Defence Force



% of companies which have already developed BCP (business continuity Planning)



National
Target:
100% by
2020



National
Target:
50% by
2020

Source: Cabinet Office(2017)

Revision of the National Resilience Plan

14 December 2018
Cabinet Decision

Key items for revision

1. Lessons from disasters
2. Changes in socio-economic circumstances
3. Continuing issues (Infrastructure development, anti-earthquake structure, ageing infra, Business continuity planning etc)
4. 20 focused programmes
5. 3-year emergency programme for disaster risk reduction and national resilience regarding 4.



FY 2018- 2020 with approximately **7 trillion yen** for projects regarding;

- Maintain the function of critical infrastructure to reduce damage
- Maintain the function of critical infrastructure to enhance economy and livelihoods

26 December 2018
Working Group

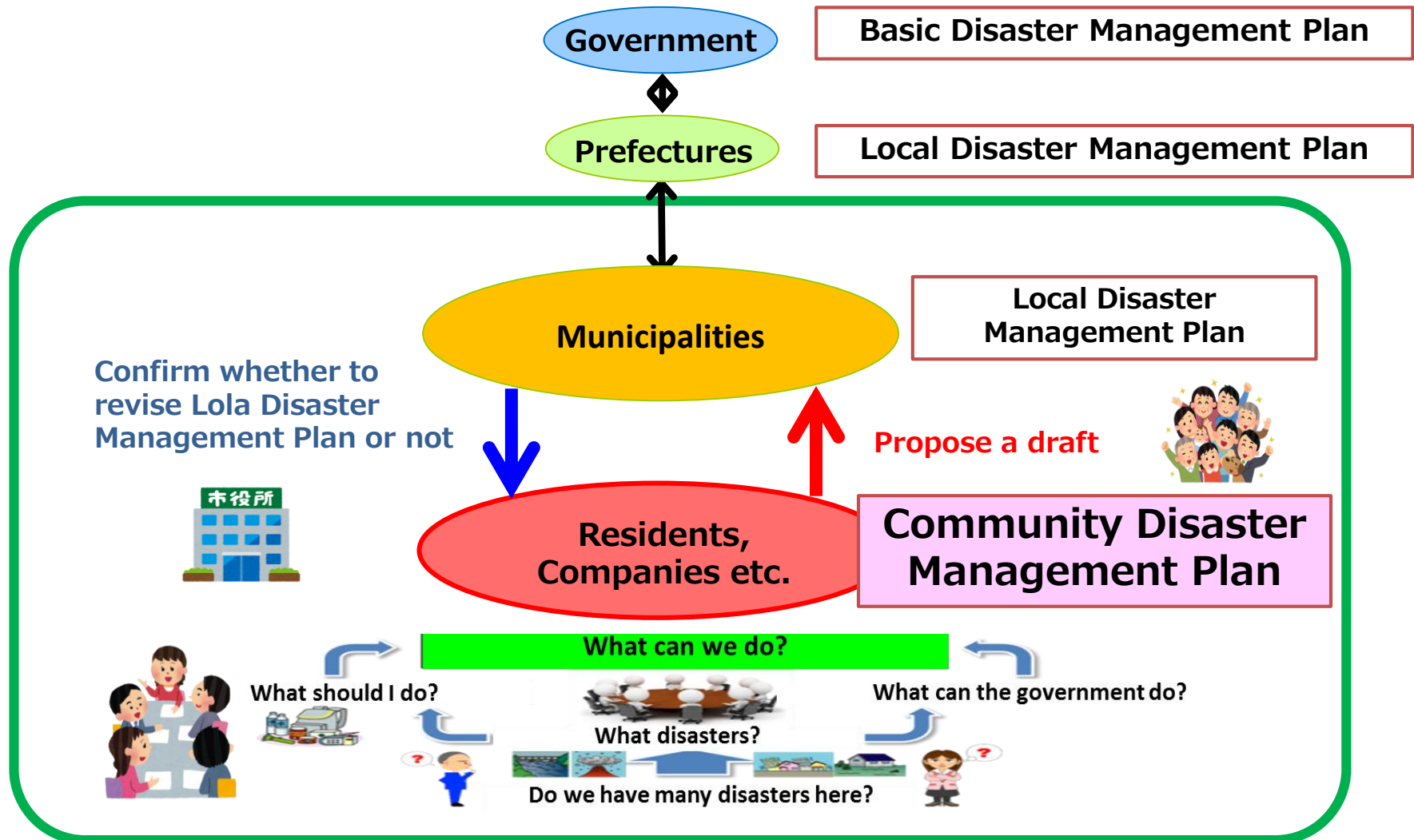
<Summary of key messages>

- Citizens
- **Need to enhance an awareness that “You need to save your lives by yourselves”**
 - Need to understand risks and evacuation plan in advance.
 - Enhance resilience at communities with local DRR leaders by planning and drills.
 - Act properly by your own decision in case of emergency.
- Governments
- Support citizens with any possible resources so that they are able to evacuate properly.
 - Enhance risk education and evacuation programmes for citizens of all generations repeatedly.
 - Disseminate risk information properly for citizens

Community Disaster Management Plan

Established in 2014 in the amendment of Basic Act on Disaster Management.

More than 2700 communities are active in developing their plans.



Thank you!



Cover page:

Poster competition winners for Minister Awards (educational programme for kids)

http://www.bousai.go.jp/kaigirep/hakusho/pdf/H30_hakusho_english.pdf