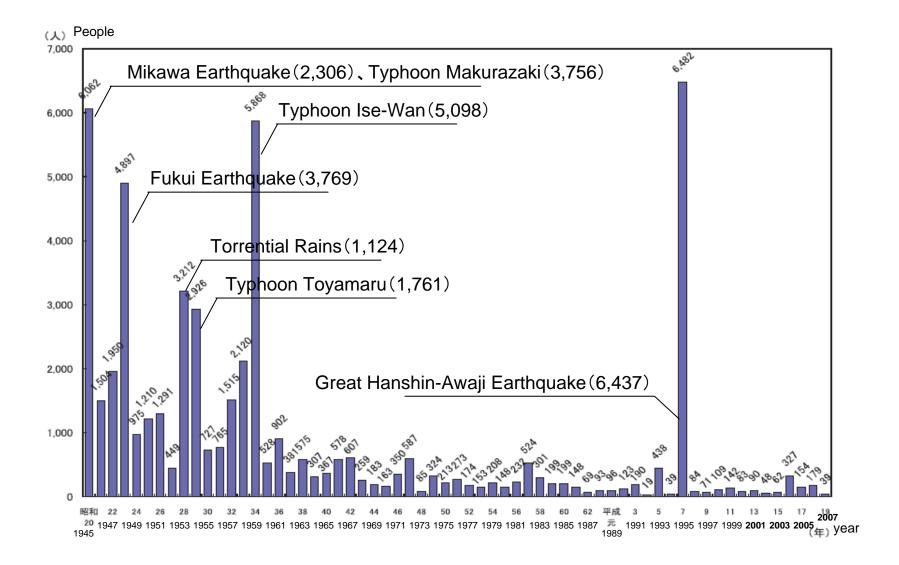
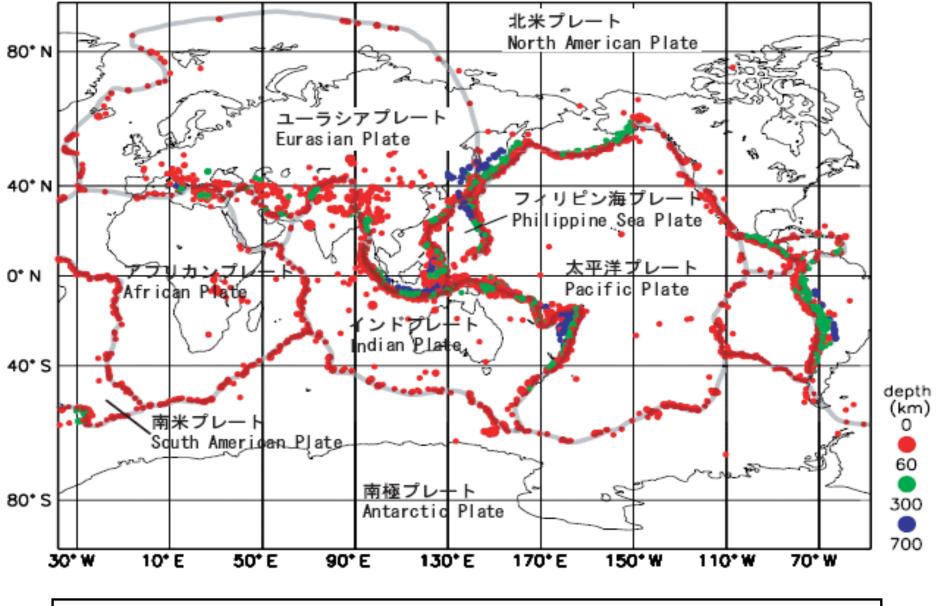
Disaster Management Policy in Japan

Sep. 17, 2009 Cabinet Office of Japan

The number of Death and Missing Persons in Natural Disasters

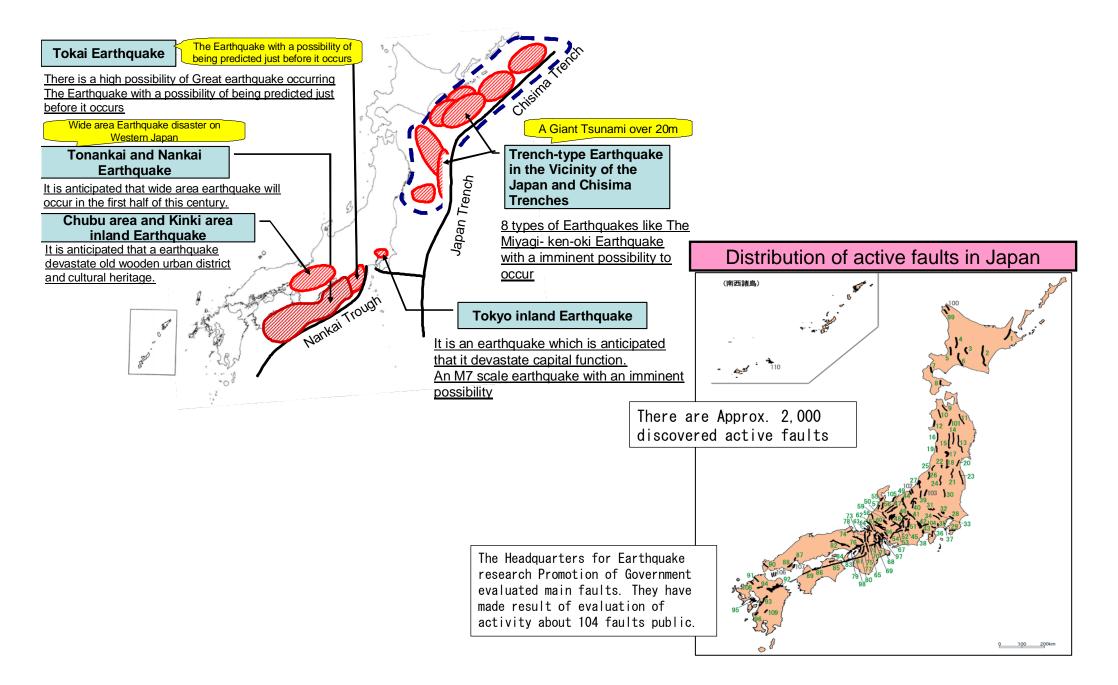


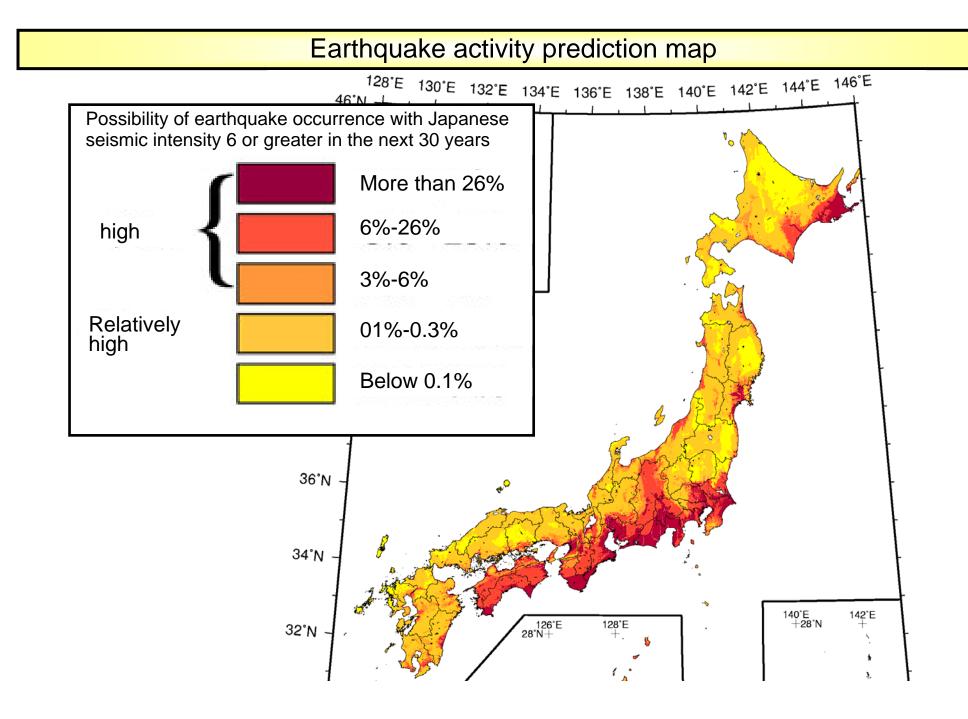
World Geographical Distribution of Hypocenters and Plates



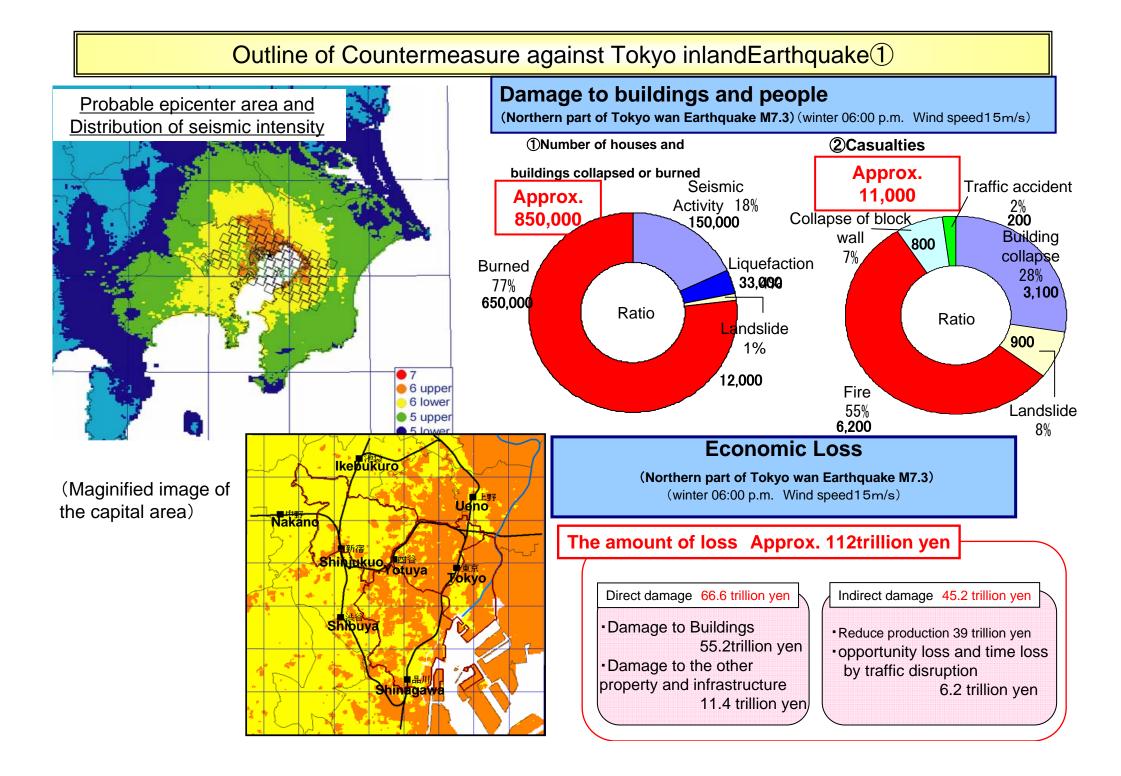
More than 20% of Earthquake with M6 or greater in the world occurred around Japan last 30 years.

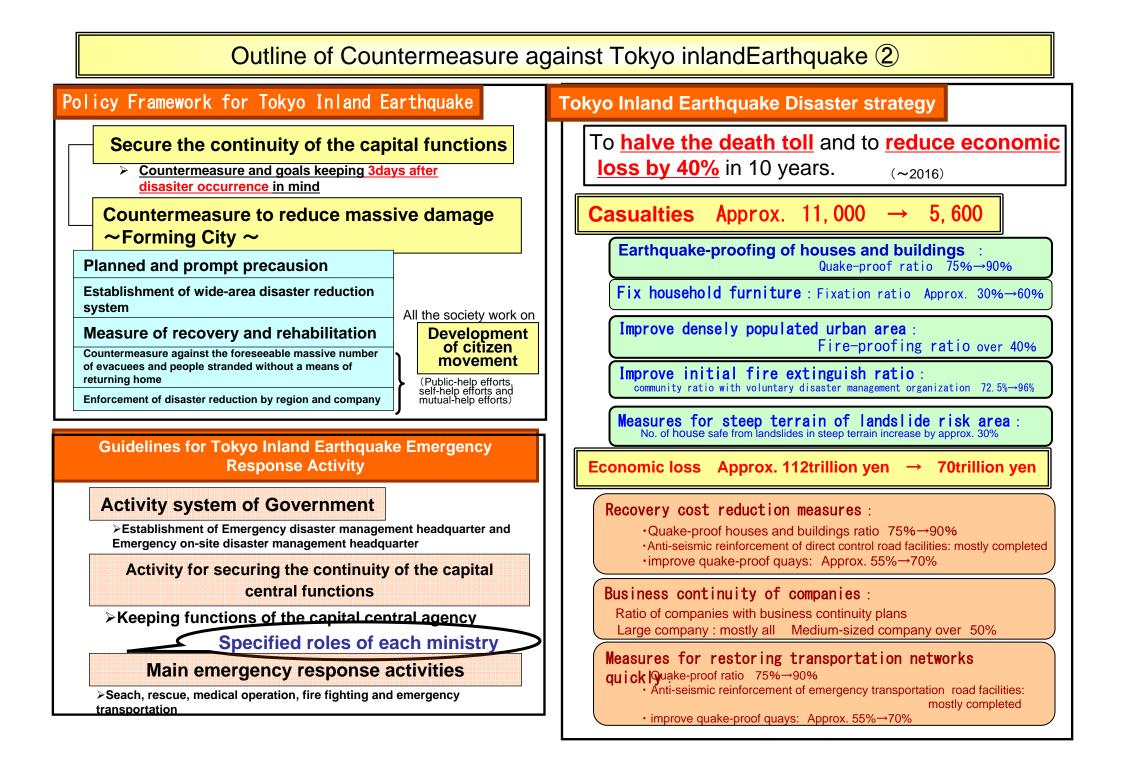
Large-scale Earthquake predicted in the future





Source: Prepared by Cabinet office based on the data of The Headquarters for Earthquake research Promotion of Government .





Goal and Sate of Earthquake-proofing

Main target	State	Goal
School (Public junior high school)	62.3% (April 2008)	Earthquake proofing 10,000 buildings with high possibility to collapseby 2011
Hospital (Hub hospital in disasters and Emergency medical center)	58.6% (May 2008)	Earthquake-proofing 50% of institutions which have not earthquake-proofed yet(By 2010)
Houses and Buildings	79% (March 2008)	90%(By 2015)

* Except these, setting goals and progressing in earthquake-proofing about water works and drainage.

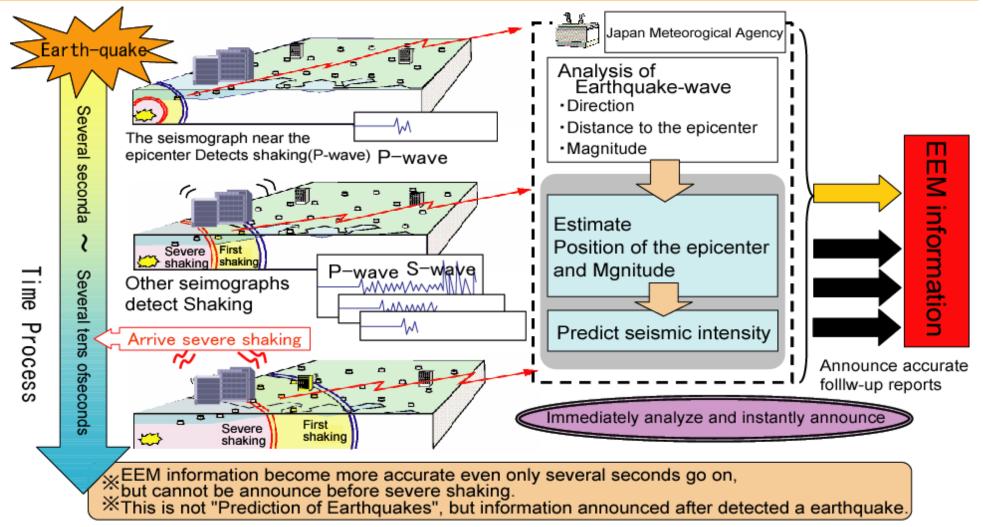
Earthquake Early Warning (EEW) Information

What is Earthquake Early Warning Information?

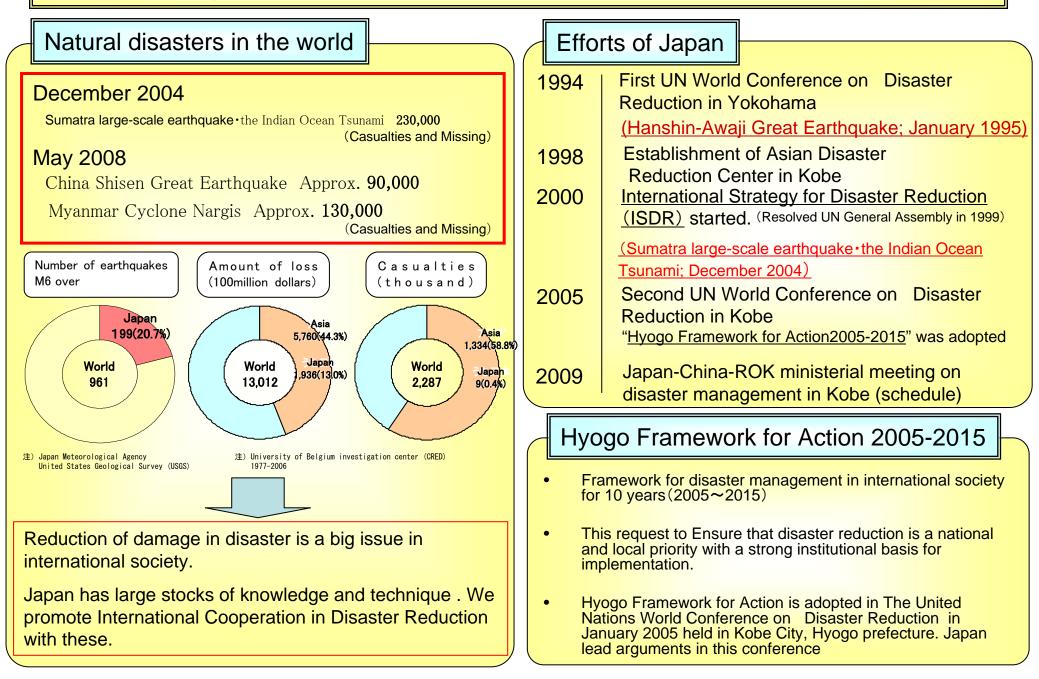
• EEW information announces the automatically estimated hypocenter ,magnitude and seismic intensity quickly between several seconds to several tens of seconds before the start of severe shaking (S-wave) with detecting P-wave near the epicenter.

• If EEM information conclude the earthquake seismic intensity 5 over ,it announce the names of area severe shaking (seismic intensity 4 over) come before severe shaking arrive (to citizenry).

• In areas near the epicenter, EEM can't sometimes announce before severe shaking arrive.



Progress of International Cooperation in Disaster Reduction



Utilization of Satellite technology for disaster manegemant

Observation just after natural disasters

<Observation of the affected area by Sichuan earthquake in 2008>



©JAXA 2008/5/18

<Before>

<After>



Chinese government made a map for disaster recovery based on the satellite images produced by foreign countries.

Utilization for disaster preparedness



It is becoming clear that climate change affects in cold region. For example, IPCC fourth report pointed that the expansion of glacial lakes is common, ground in the region is becoming unstable and the number of avalanche is glowing.

Especially in Himalayan region (Bhutan, Nepal), these are big challenge now.

OMaking of Hazard map utilizing satellite images

- Making hazard map will help the government action on disaster management promptly.
- 2 Utilizing hazard map will help the citizen as well as the government prepare against natural disasters.

La ringrazio per la Sua cortese attenzione! ご清聴ありがとうございました。

