

2012/SOM2/EPWG/015 Agenda Item: 9.3.1

Recovery from the Great East Japan Earthquake and Tsunami

Purpose: Information Submitted by: Japan



3rd Emergency Preparedness Working Group Meeting Kazan, Russia 29-30 May 2012

Recovery from the Great East Japan Earthquake and Tsunami

JAPAN

May 29-30, 2012





Great East Japan Earthquake and Tsunami

Date and Time:

11 March 2011 at 14:46 JST (5:46 GMT)

Type of earthquake:

Plate-boundary thrust-faulting earthquake on or near the Japan Trench subduction zone



Hypocenter:

130km off the Pacific coast of Tohoku region (38° N, 142° E), 24km depth

Magnitude: 9.0 (interim value, the largest in Japan and the 4th largest in the world) c.f. 2004 Sumatra Earthquake M9.1





1-9 persons





Progress of recovery ~ Expressway

- Emergency recovery operation of Tohoku Expressway (the longest expressway in Japan) had done on 22 March, just 11 days later of the occurrence of the disaster.
- It contributed not only to the transportation of the emergency relief supplies, but also recovery of the economy in Japan.



Six days later











Lesson learnt: Accumulate our Knowledge

- Taking countermeasures followed by lessons learned from the past disasters
- * The mortality rate is decreasing.

	Meiji- Sanriku Earthquake Tsunami 1896	Showa Sanriku Earthquake Tsunami 1933	Great East Japan Earthquake 2011
Number of the casualties in Taro district	1,867 = 83% of all of the population	972 =20% of all of the population	230 =6% of all of the population













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Points raised from the lessons learnt

- 1. Inappropriate scenarios
- 2. Reliable hazard maps
- 3. Importance of BCPs
- 4. Tsunami warning
- 5. Drills and education

 Thank you for your attention