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Disaster Prevention and Recovery

- From the lessons of the East Japan Great Earthquake and PPFS -

**APEC Workshop on Food Security
Tokyo, Japan, September 10, 2013**

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Outline

- For APEC economies, the Pacific Ocean is a critical component for a viable economy.
- Reviewing the damage of “the East Japan Great Disaster ” is valuable for the global challenge.
- Resilience of the food security and supply chain is the important issue.
- Importance on Disaster prevention & recovery through policy partnership (in Fisheries)
- “*Abenomics*” and Business Continuity Plan.

* Specific proposal, based on the discussion at the APEC PPFS related activities in Medan and Bali, June, 2013

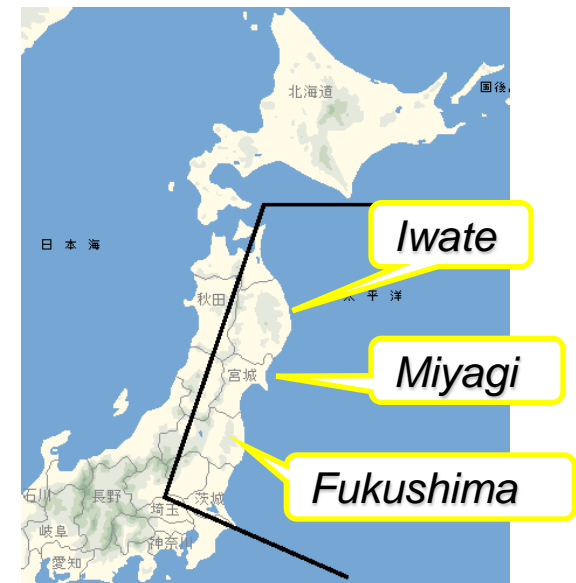
Damages from 3.11 Disaster



casualties	15,881	persons
missing	2,668	persons
related death	2,303	persons
refuge	315,196	persons
buildings/houses collapsed	128,801	

Sources: Nihon Keizai Shinbun

- 52% of total damage of related to Agriculture, Forestry & Fisheries
- 100% damage: Fisheries in the Fukushima, Miyagi, Iwate



Recovery: Two years after 100% damage in Fisheries in those areas.

- Total Recovery: 60% of pre-3.11 level
- Fishing Port repaired: 40% of restore goal
- Fisheries landing: 20 (Fukushima) - 80% of pre-3.11 level
- Processing Facilities: 55 - 70% of pre-3.11 level

***Supply Chain Management:** Ice making, freezing, packaging, processing facilities, warehouses, roads and the workers are imperative for recovery.*

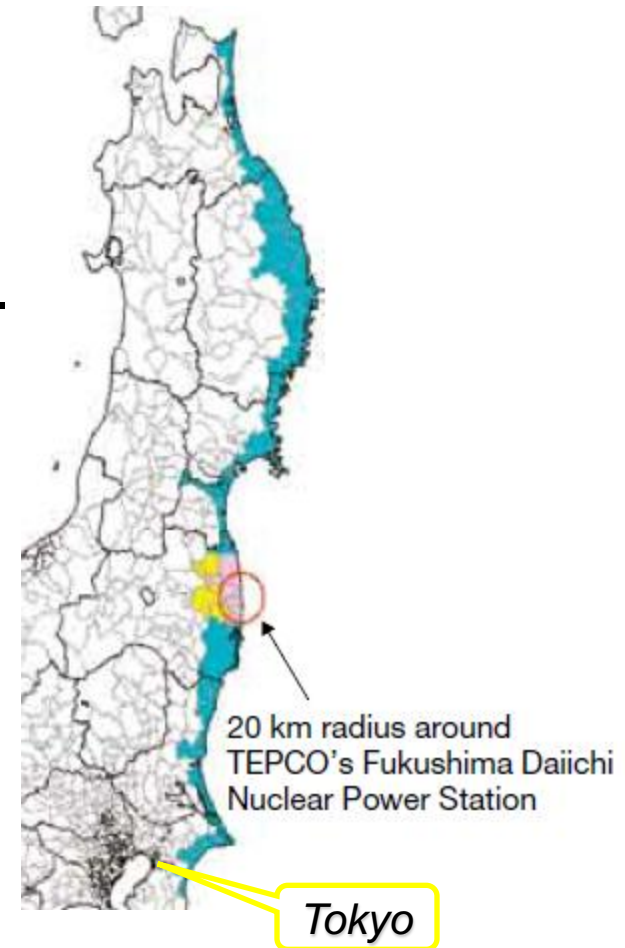


Reconstruction: Slow pace in SMEs

120,000 enterprises were damaged by tsunami in municipality level.
Some 40,000 were located in areas severally affected by tsunami inundation.

99.8% of the enterprises were SMEs

- Policy partnership among Public-Private sector is necessary for Business to Business model (B to B) and Business to Consumer model (B to C)
- Business Continuity Plan (BCP)
Risk management preparation



A Proposal for Specific APEC Workshop

(Action Plan based on Japan's lesson)

- Strengthening Global Supply Chain Resilience to Natural Disasters



(Specific Workshop Activity)

- Disaster Prevention, Recovery and Reconstruction through policy partnership



Short-Term Goals

- Raising public awareness of Disaster Prevention and Reconstruction
- Sharing best practices of APEC region
- Identifying important points of Disaster Prevention and Reconstruction

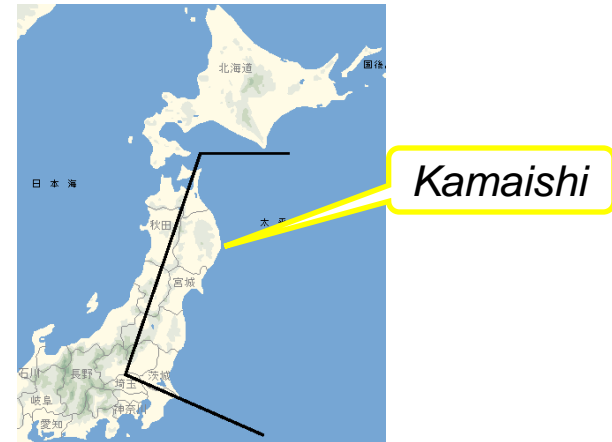
Long-Term Goals

- Enhancing Disaster Prevention infrastructure
- Reviewing business practices (BCP) & enhancing Disaster Prevention and Reconstruction. Management Skills

Tsunami Damage: a case of Sojitz Seafood Factory



Soon after the 3.11 Disaster (03/17/2011)



Thank you for your support,
Arigato!



Employees in front of the new factory