

Restoration from Fukushima Daiichi Accident

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Presentation Outline

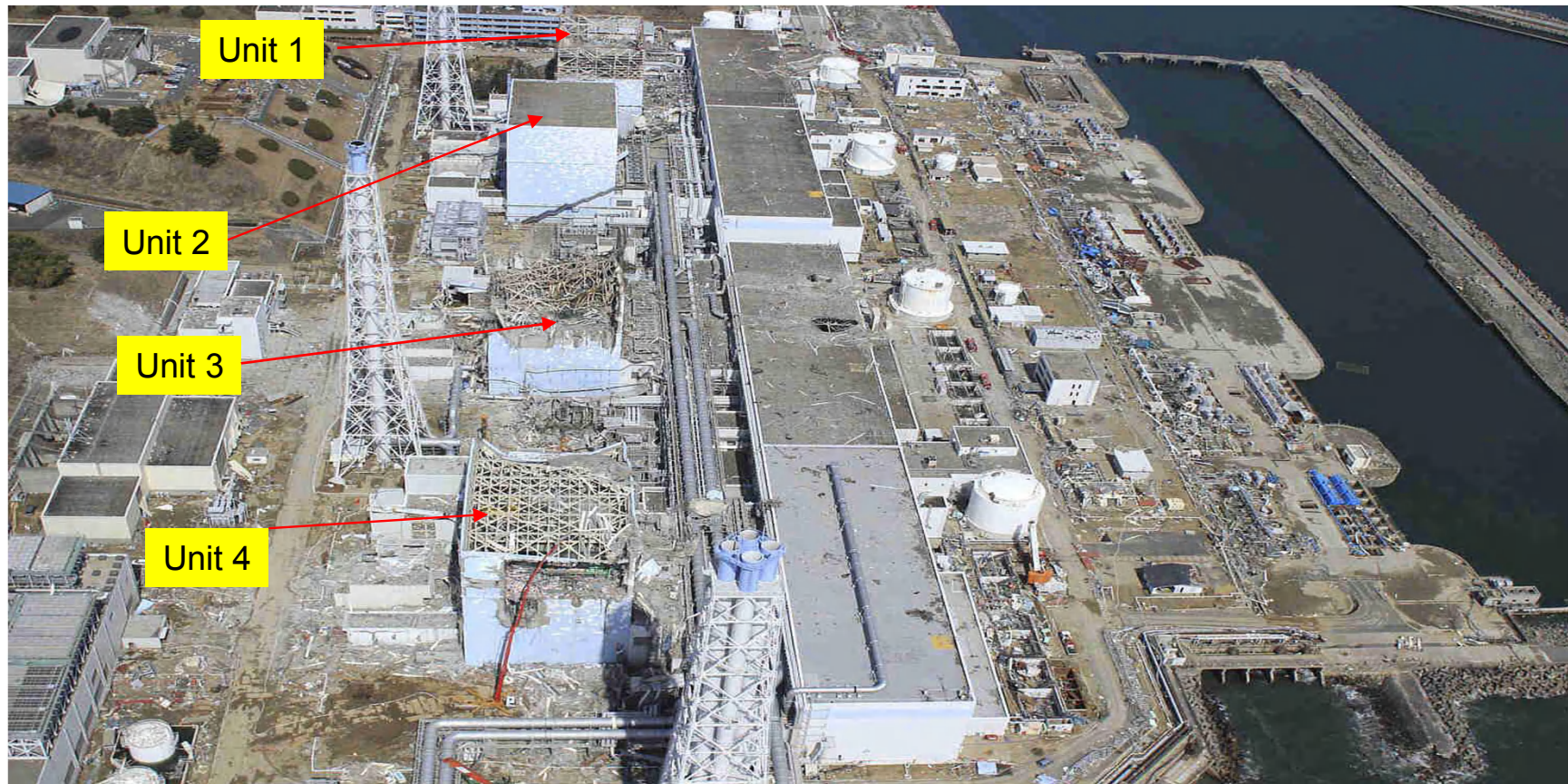
- Bodies of Restoration Activities
- Current State on Fukushima-Daiichi
- Onsite and offsite Activities

Bodies of Restoration Activities under Governmental Control

- **Onsite Accident Settlement and Decommissioning**
 - TEPCO
 - Agency for National Resources and Energy, METI
 - Nuclear and Industrial Safety Agency, METI
 - Ministry of Health, Labor and Welfare
- **Monitoring**
 - Ministry of Education, Culture, Sports, Science and Technology
 - Electrical Utilities
- **Offsite Decontamination, Debris Removal**
 - Ministry of the Environment
 - Local Gov.

Current State 1/4

- Fukushima-Daiichi NPP
 - Unit 1, 3 and 4 were damaged by hydrogen explosions



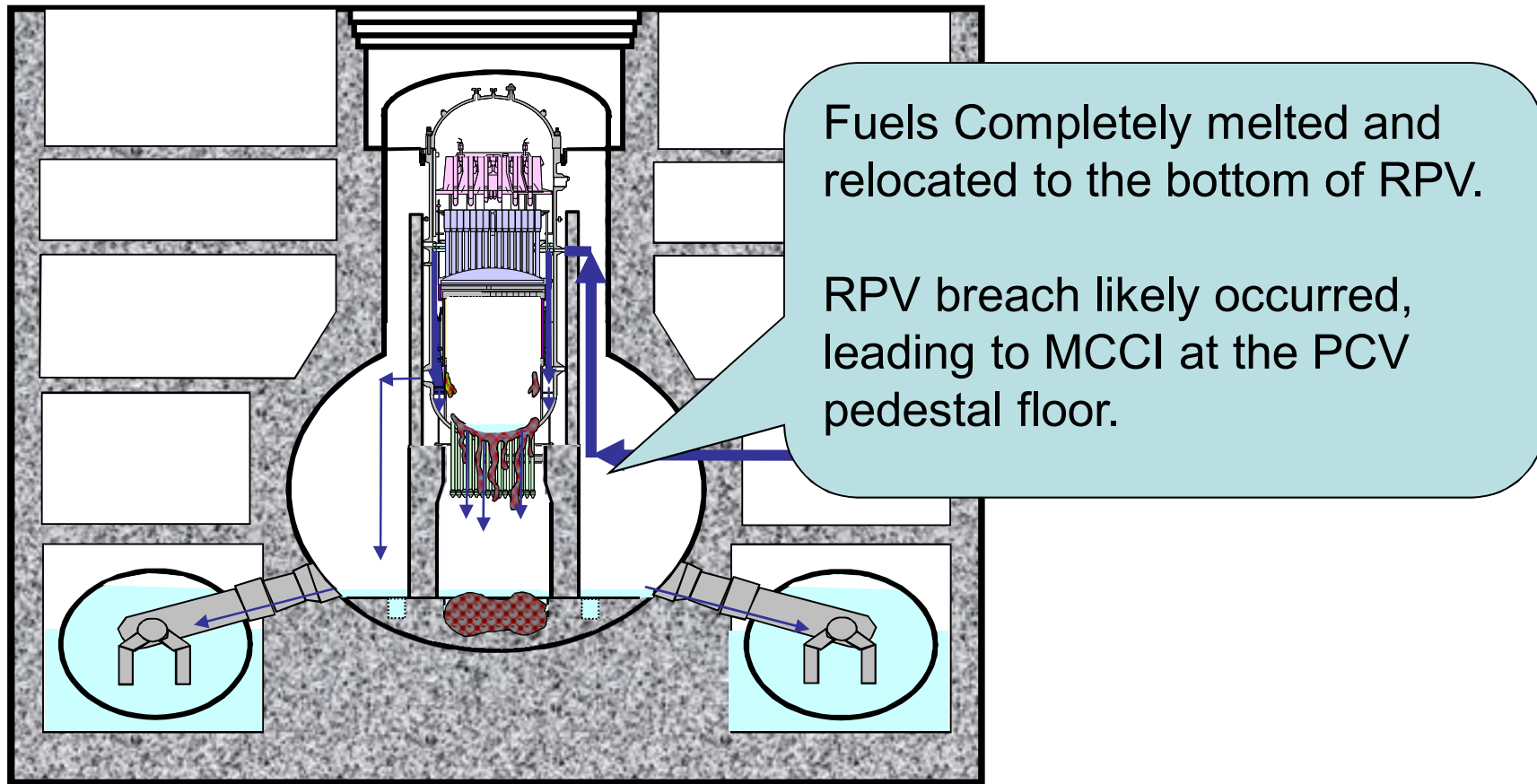
2012/2/27

Ref: <http://www.nisa.meti.go.jp/genshiryoku/files>

2011/03/25

Current State 2/4

- Estimated Cross Section of Unit 1 Reactor Building

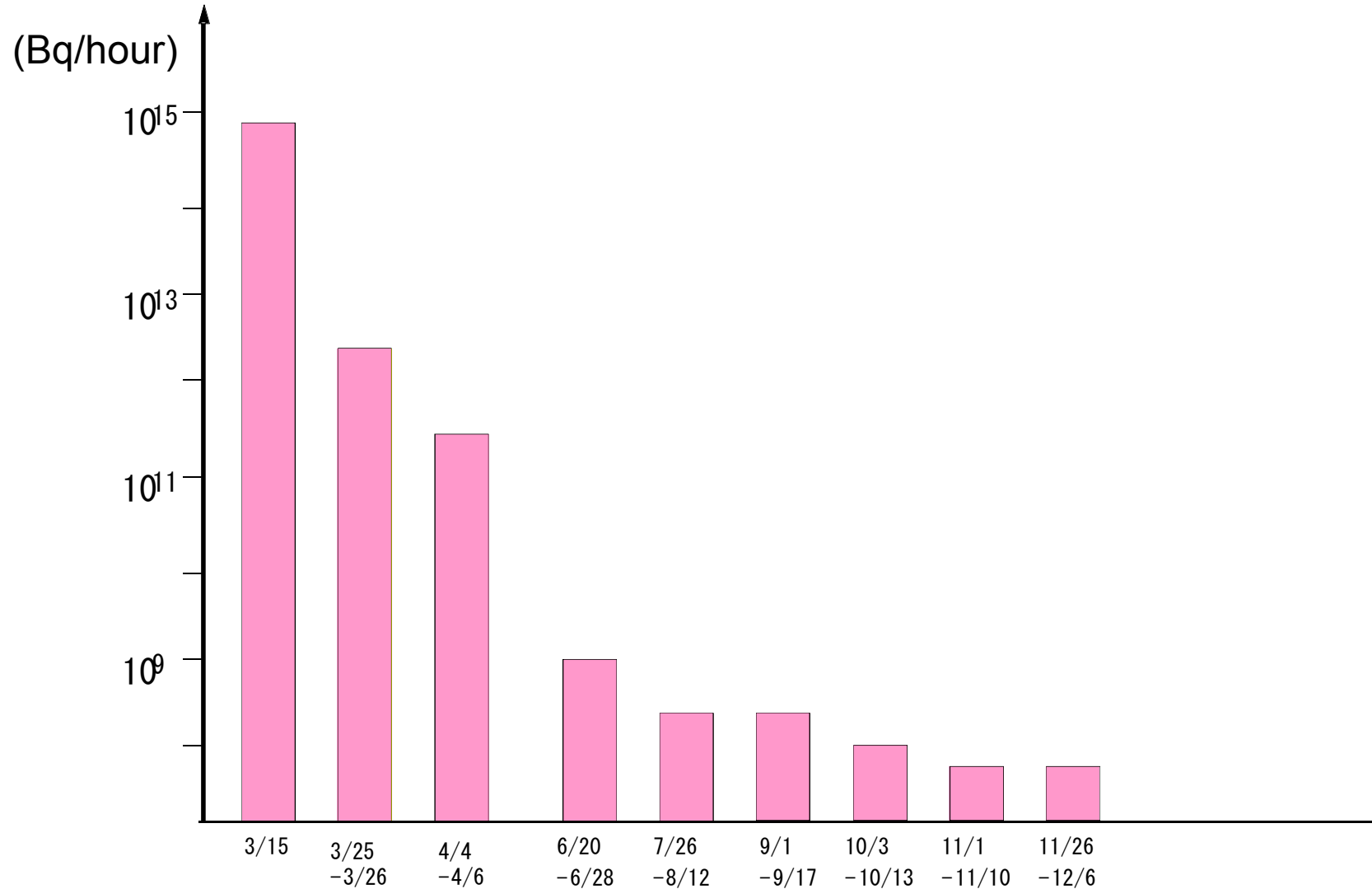


Current State 3/4

- Waste types and amounts
 - Spent Fuel (No. of assemblies in Unit 1 to 4)
 - 1,496 (Reactor core)
 - 2,724 (Spent fuel pool)
 - Onsite Accumulated Debris
 - 31,000 m³ (as of Jan. 23, 2012)
 - Processed water
 - 600m³/day (damaged core injection, as of Oct. 6, 2011)
 - 500m³/day (groundwater, as of Oct. 6, 2011)

Current State 4/4

- Estimated Release Rate of Cesium from Unit 1 to 3



2012/2/27

Ref: http://www.meti.go.jp/english/earthquake/nuclear/roadmap/pdf/111216_nps_01.pdf

Onsite Activity 1/2

Hose for pumping up water from plant

Removing Debris



SARRY, Cesium Absorption System



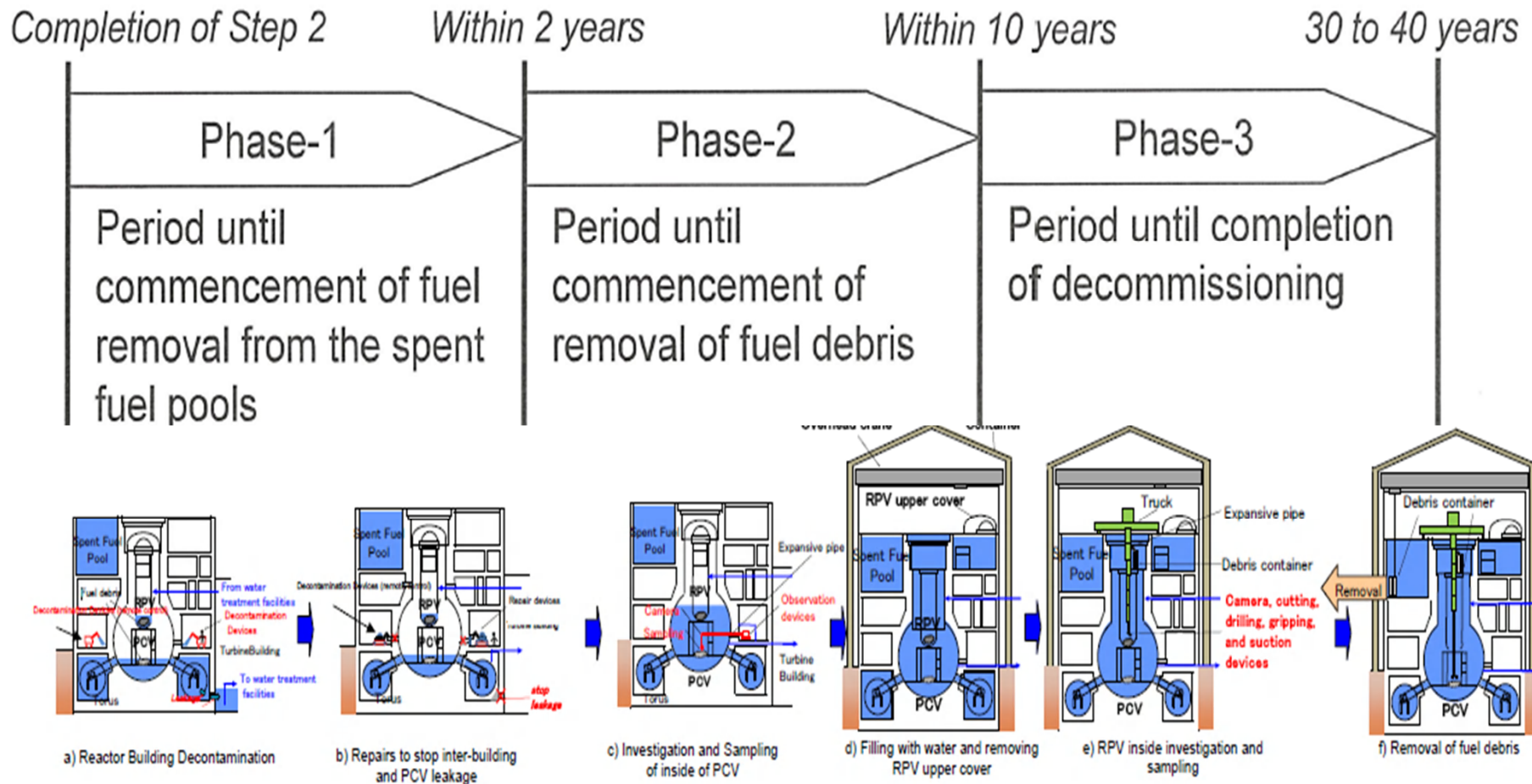
2012/2/27

Ref: http://www.tepco.co.jp/nu/fukushima-np/roadmap/images/m120123_05-j.pdf
http://www.tepco.co.jp/en/nu/fukushima-np/images/handouts_111022_02-e.pdf

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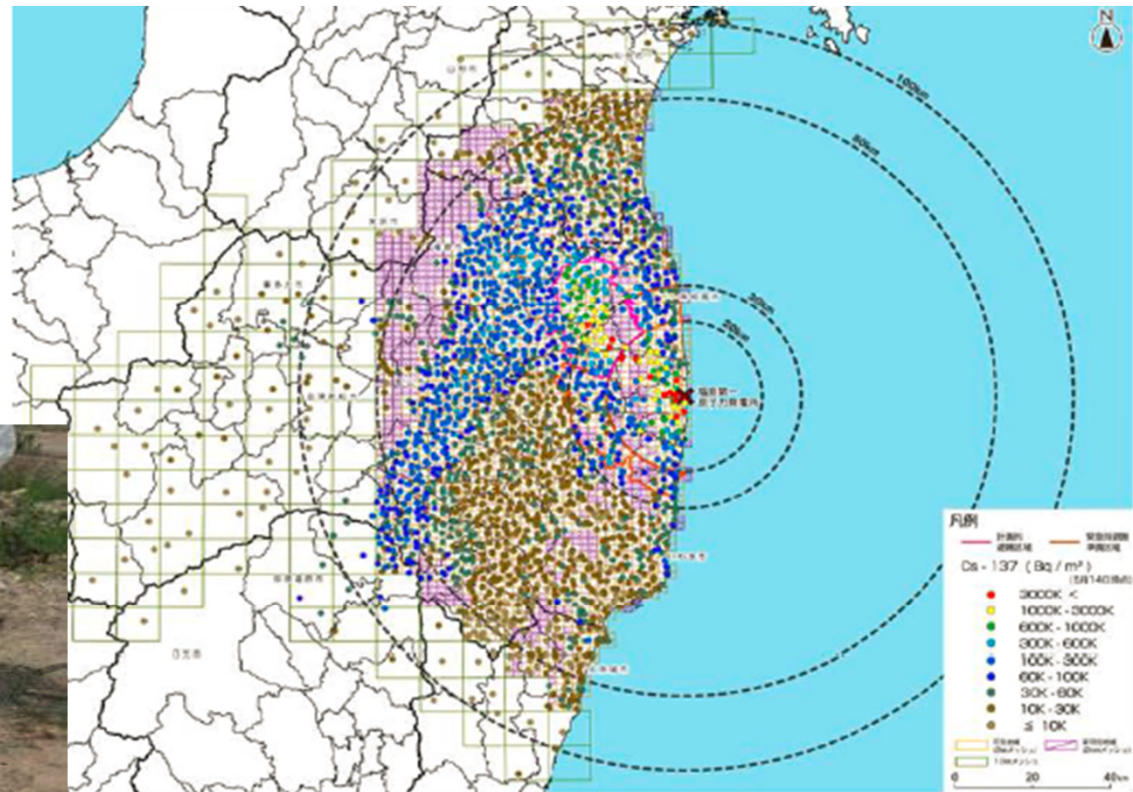
Onsite Activity 2/2

Mid-and-Long-Term Roadmap



Offsite Activity

Map of Cs137 Soil Concentration



Soil Sampling



Ref: Website of METI

http://www.meti.go.jp/english/earthquake/nuclear/roadmap/pdf/111216_nps_01.pdf