

Radiological Protection
2022

Building a Framework for Post-Nuclear Accident Recovery Preparedness

National-Level Guidance

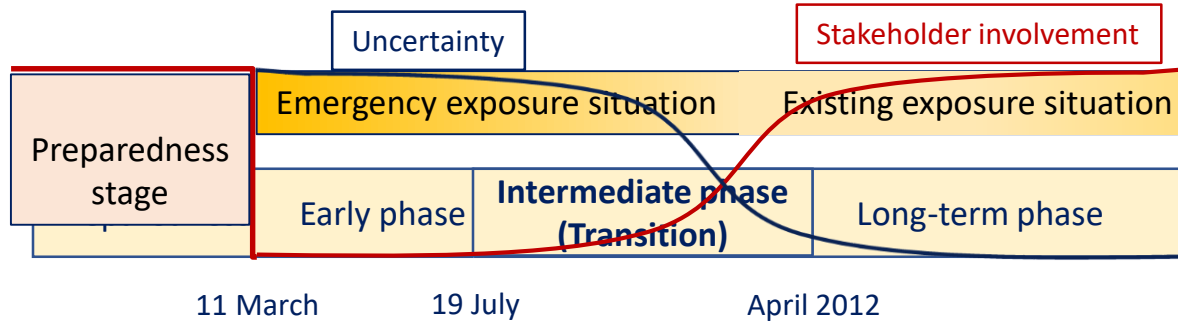


NEA Workshop on Preparedness for Post-Nuclear Accident Recovery

Toshimitsu Homma

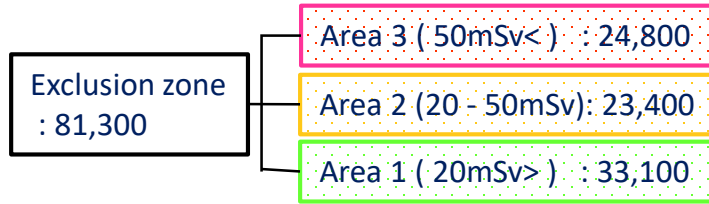
Nuclear Regulation Authority, Japan

Timeline for managing the Fukushima Daiichi nuclear accident



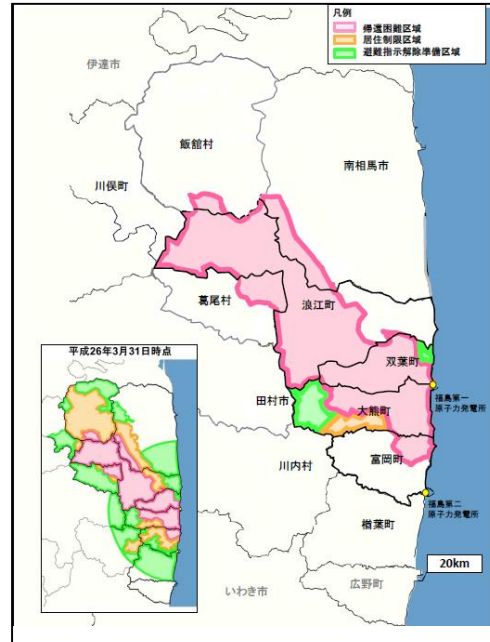
- ◆ 17 May 2011, **Roadmap to return to normality** by NERHQ
- June-August: Detailed and comprehensive **monitoring plan** by MEXT
- June: Arrangements for long-term **health surveillance** started by Fukushima Prefecture
- August: **Act on the Handling Environmental Pollution** by MOE
- 30 September: **Lifting of the former sheltering area** by NERHQ
- ◆ 16 December: **Control of the situation** at NPP has been regained
- 26 December: **Basic concept for rearranging** the evacuation areas by NERHQ
- April: **Rearrangement of the evacuation areas** started

Current status of the areas under evacuation order

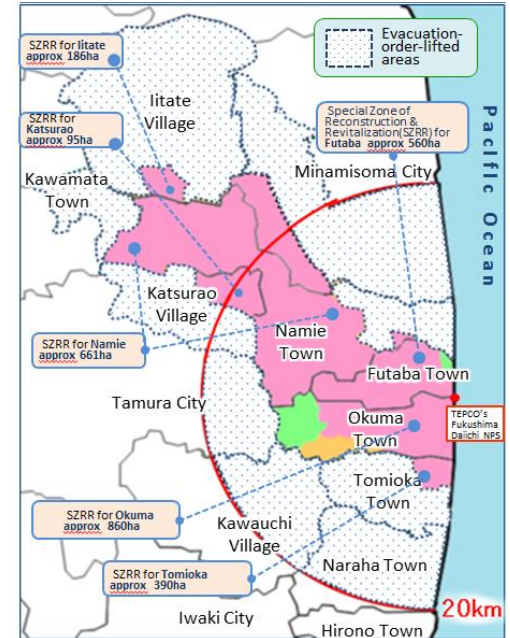


- **Lifting conditions (December 2011)**
 - ✓ Dose level < 20 mSv/y
 - ✓ Infrastructures and social services
 - ✓ Consultation with local gov. and residents

- April 2011
Restricted area + DEA
- Dec 2011
Concepts of rearrangements
- April 2012 – Aug 2013
Rearrangements
- April 2015
First lifting of an evacuation order
- 1 April 2017
Evacuation orders lifted
- Sep 2017 – May 2018
6 Specific Reconstruction and Revitalization Bases



1 April 2017



Changes related to recovery process after the accident

- Establishment of **Nuclear Emergency Preparedness Commission** within the Cabinet
- Revisions of the **Nuclear Emergency Act** and **Basic Plan**
- Section: **Intermediate and Long-term Response measures** for Nuclear Emergency in a new **NRA Guide for EPR**
 - (1) Basic concept for intermediate and long-term response measures
 - (2) **Environmental radiation monitoring**
 - (3) **Individual dose assessment**
 - (4) **Health surveillance**
 - (5) **Decontamination** measures
 - (6) Concept for the transition from emergency to existing exposures

Key points for future revisions of the NRA Guide

- Consistency of protection strategies, taking into account the interdependence of early, intermediate and recovery strategies
- An integrated approach that focuses on capacities and capabilities that are critical to preparedness and response for a full spectrum of emergencies or disasters
- Mutual trust among stakeholders for the realisation of social justice