











IAEA International Mission on Remediation The IAEA organized a fact-finding Mission to support the remediation on 7-15 October, 2011. **Highlight of Progress** - Legal, economic and technological resources allocated - Arrangement to coordinate and share information with relevant organization - Use of demonstration sites to test and assess various remediation methods - Impressive monitoring and mapping effort, etc. Advice ✓ Balance, Justification, Optimization ✓ Strengthening Coordination of the National and Local Government ✓ Stakeholders Involvement ✓ Sv rather than Bq/m2or m3 ✓ Utilize existing Waste Infrastructure ✓ Analyze the benefit in reducing Doses ✓ Cooperate between National and Local Government for Waste facilities, etc. (Source: Final Report of the International Mission on Remediation of Large Contaminated Areas Off-site the Fukushima Daiichi NPP, IAEA)





	Advance Decontamination (base facilities, etc.)	Identification of owners of houses, etc.	Decontamination plan	Full scale Decontamination Works	Securing temporary storage site
Tamura city	٢	~	✔ (Apr 13)	in operation (June 25)	~
Naraha town	>	~	✔ (Apr 13)	in preparation	~
Kawauchi village	>	~	✔ (Apr 13)	In preparation	~
litate village	>	~	✔ (May 24)	in preparation	~
Minami-Soma city	v	~	✔ (Apr 18)		local coordina process
Katsurao village	>	~	local coordination process		*
Kawamata town	>	~	✔ (Aug 10)		local coordinat
Namie town	٢	~	local coordination process		local coordinat process
Ookuma town	>	~	local coordination process		local coordinat
Tomioka town	>	~	local coordination process		local coordinat
Futaba town					











	Decontamina	ation Mo	del Work ir	n the Job	an Exp	ressway	/	
■ Object To test an methods paving co ■ Outline Period: M Results: In Zone I confirmed to less the In zone II could be	ive id evaluate varion taking into acco nditions and air a larch -July, 2012 (most highly co d that air dose r an 9.5 μSv/h, or and III, it is con reduced to appo	ous decon ount differ dose rate ntaminate ate could equiv. to ifirmed th roximate 3	tamination ent road es. ed zone) it is be reduced 50 mSv/y. at air dose r 8.8μSv/h , or	ate equiv. to	13000 101 3 44 Zone Zone 2000 100 < 93 - 100 100	v/y.	777 /// 第中 私工町 な工町 業町 総務町 市 方力発電所 町 町 町 丁 Skm	Situation re the accider Under construction In-service zone
Decontami- nation Zone	Air dose rate	Situation before the accident	Road shape	Air dose rate Before	at the cent \rightarrow	er of expressv After	vay (µSv/h) Decreasing rate	
Zone I	More than 9.5µSv/h (equivalent to more than 50mSv/y)	Under	Cutting interval Landfill interval Bridge interval	43.1 11.6 10.3	$ \begin{array}{c} \rightarrow \\ \rightarrow \\ \rightarrow \end{array} $	8.3 4.2 5.9	▲81% ▲64% ▲43%	
Zone II	3.8∼9.5μSv/h (Annually equivalent	construction	Cutting interval Landfill interval	5.8 5.4	\rightarrow \rightarrow	2.3 2.5	▲60% ▲54%	













Tackling the Challenges

- Seeking for more efficient/effective technology for decontamination from the perspective of cost, time, etc. through demonstration project and R&D (incl. Soil/ Waste minimization and volume reduction)
- 2. Promotion of Public communication for securing temporary storage sites, interim storage facilities, etc.
- 3. Research on the behavior and environmental fate of Cesium, including the development of transport models