



Initial Findings of the Fukushima Action Research on Effective Decontamination Operation (FAIRDO) in Fukushima

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Contents

- Current Status in Fukushima
 - Status of Decontamination Operation

•FAIRDO Initial Findings

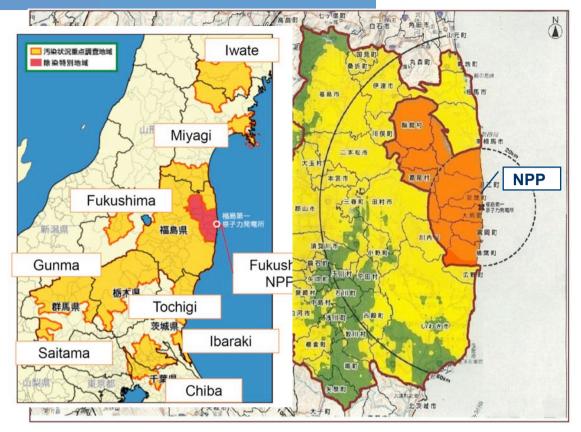
- Governance on Decontamination
- Risk Communication





Decontamination Area

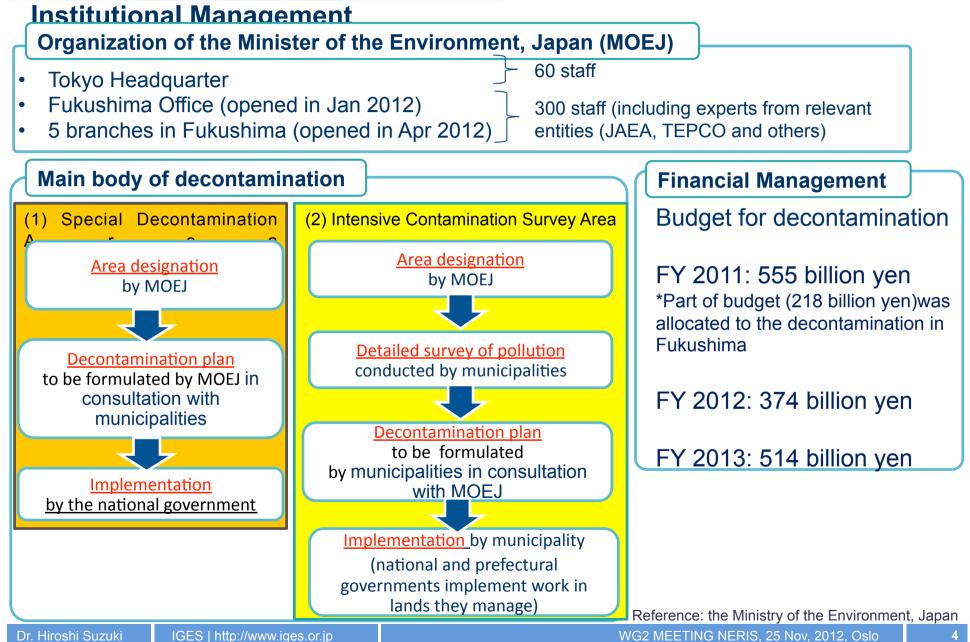
Decontamination has been planed to conduct at 102 municipalities in Japan, included 48 municipalities in Fukushima.



	Category	Category Additional E		Countermeasure		
	municipalities in Fukushima)	Within 20km from the NPP		National government (assigned to MOEJ) is responsible to reach exposure rate as low as possible		
	Intensive Contamination Survey Areas (41 municipalities in Fukushima)	Over 1 0mSv/v		Municipalities are responsible to reach exposure rate as low as 1mSv/y		
		ess man i um5v/v		Municipalities and local communities decontaminate hotspots		
D	. Hiroshi Suzuki IGES http://www.iges.or.jp			WG2 MEETING NERIS, 25 Nov, 2012, Oslo	3	





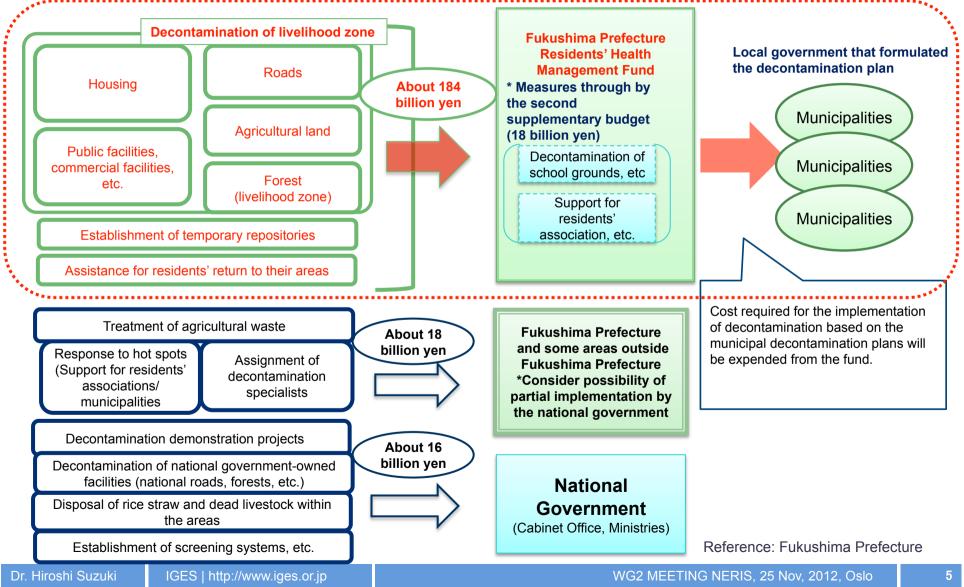






Financial Management in Fukushima for FY2011

Total 218 billion yen







Current Status of Decontamination at Intensive Contamination Survey Areas

> Decontamination operations of Housing have been delayed in the most of the municipalities.

Housings (As of Oct. 2012)

Municipalities	Plan (FY2011)	Order (hs)	Achievement (hs)	% (achi./plan)
Fukushima City	20,806	18,913	2,277	11%
Nihonmatsu City	5,002	4,358	412	8%
Date City	6,228	2,523	317	5%
Motomiya City	1,100	477	20	2%
Kawamata Town	5,105	1,432	24	0%
Otama Village	803	621	227	28%
Koriyama City	14,199	4,356	144	1%
Kagamiishi Town	100	3	3	3%
Yukawa Village	600	600	481	80%
Souma City	270	165	43	16%
Minami-souma City	249	249	114	46%
Hirono Town	2,000	1,908	1,563	78%
Kawauchi Village	1,027	961	648	63%
Iwaki City	NA.	1,662	12	N.A
Others (27 cities)	10,473	2,806	0	0
Total	67,962	41,034	6,285	9







*hs: households

*order: decontamination operation is ordered to private companies

*achivement: actual decontamination has been conducted





Current Status of Decontamination at Intensive Contamination Survey Areas

> Decontamination of public facilities and agri. lands and have been conducted smoothly in some

Public facilities				Paddy Fields			(As of Oct. 2012)	
Municipalities	Plan (FY2011)	Order (buil)	Achi (buil.)	% (achi./ plan)	Plan (FY2011)	Order (ha)	Achi (ha)	% (achi./ plan)
Fukushima City	606	581	377	62	2,397	2,308	2,308	96
Nihonmatsu City	82	76	69	84	2,731	2,731	1,237	45
Date City	310	312	171	55	1,380	1,380	1,380	100
Motomiya City	180	113	111	62	1,049	20	18	2
Kawamata Town	19	19	12	63	632	295	295	47
Otama Village	53	51	46	87	98	98	97	99
Koriyama City	910	692	690	76	560	6	6	1
Kagamiishi Town	9	7	7	78	50	50	0	0
Yukawa Village	40	41	41	103	0	0	0	0
Souma City	22	23	22	100	Adjusting	73	0	0
Minami-souma City	170	132	132	78	Adjusting	13	13	N.A.
Hirono Town	56	56	53	95	500	0	0	0
Kawauchi Village	13	13	7	54	454	454	35	8
Iwaki City	N.A.	271	250	N.A.	1,080	80	0	0
Others (27 cities)	736	712	472	64	2,258	2,230	1,206	53
Total	3,206	3,099	2,460	77	13,189	9,738	6,595	50

*buil.:building , *buil.:building, *order: decontamination operation is ordered to private companies *achivement: actual decontamination has been conducted





• FAIRDO Initial Findings

- Governance on Decontamination
- Risk Communication





Fukushima Action Research on Effective Decontamination Operation (FAIRDO)

- Objective
 - FAIRDO aims at providing substantive inputs to the ongoing decontamination/ remediation operations, reflecting the realities of local conditions for effective designing and implementation
- Components and mode of operation

Prof. Hiroshi Suzuki, Fukushima University/Chair of Reconstruction Committee in Fukushima w/ IGES and Institute for Advanced Sustainability Studies (IASS) (1) Governance for Effective Remediation/Decontamination Operations Tokyo Keizai University, Nagoya University, Tokyo Institute of Technology Karlsruhe Institute of Technology (KIT)

(2) Development of remediation/ decontamination strategies reflecting the local conditions

Tokyo University of Agriculture and Technology, Fukushima University, Bundesamt fur Strahlenshutz (BfS), KIT. Effective communications to promote collaboration with those affected in contaminated areas

Waseda University, Fukushima University, Berlin Freie Universitat.

• Major outputs/outcomes

- Substantive inputs to the ongoing decontamination/remediation operations through relevant experts' channels
- Japan optimal model based on EURANOS/RODOS developed
- · Guidelines for effective decontamination/remediation operations shared





Initial Findings on Decontamination

Decontamination in Fukushima Current status/ issues As for the decontamination areas, there are two types: one is designated as a "Special Decontamination Area" that is under direct national control and the other is an "Intensive Contamination Survey Area" that is to be decontaminated by the municipalities. Most of these municipalities have already developed decontamination plans. The fund of 220 billion-yen to meet the decontamination cost has been established at Fukushima prefectural government. However, implementation of decontamination under the plans has been delayed. Factors Understanding for Collaboration Temporary Decontamination Information Participatory storage sites decontamination technologies sharing decision-making among municipalities Concerns about Distrust of the Inexperience of both the Difficulty in using technologies that are Difficulty in sharing information about setting up temporary storage sites that are national and local Lack of residents and governments not mentioned in the information the radiation dose indispensable for public guidelines sharing among Strong desire for decontamination levels of each region administrations municipalities restoration to the in the decisionoriginal state and Unclear outlook for making process Difficulty in using limitations of interim storage public information decontamination facilities and at the regional level technologies permanent storage facilities

10





Initial Findings on Decontamination Plus

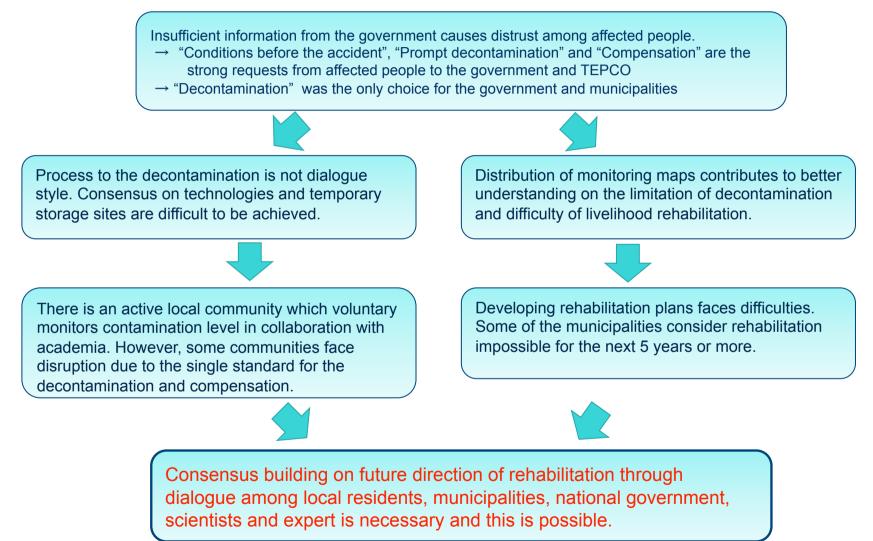
Current status of the a	ffected people/affected areas/reconstruction to be considered in parallel with decontamination						
Due to issues on linkage between decontamination and necessary systems as well as information sharing, decontamination efforts do not respond to concerns about putting people's lives back together and expectations for reconstruction from the viewpoints of both the affected areas and the affected people who have been forced to live as evacuees. The following points should be taken into account in parallel with decontamination.							
Unclear status of restitution	Concerns about putting their lives back together plans and reconstruction plans						
- Less credibility - Recognition tha - Vertically-segm	 Less credibility of public information Less credibility of scientists/experts Recognition that the disaster was caused by national policy Vertically-segmented administrative systems to deal with decontamination, restitution, reconstruction and putting lives back together 						
Confusion in local communities due to issues on restitution	Concerns about the harvested agricultural crops Lack of a linkage between reduction in the radiation dose rate and the progress in reconstruction						
Confusion in local communities due to the uniform standards of restitution and decontamination, etc.	Concerns about the future impact on children Concerns about family separation over the issue of returning home						

11





Initial Findings on the Conditions in Fukushima



12





Thank you very much!!



福島ミッション時の写真があれば適宜入れる予定。