


Disaster Management

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Support Programme for Reconstruction in the
Aftermath of “The Great East Japan
Earthquake and Tsunami”

- **Workshop on “Reconstruction towards Sustainable Communities: Promotion of locally-based industries with all stakeholder approach”**
- **25 February-3 March 2012**



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The Great East Japan Earthquake and Tsunami 14:46, 11 March 2011

Major quake registers

Magnitude **9.0**

Deaths:15,858

(Iwate Pref. 4,671, Miyagi Pref. 9,516, Fukushima Pref. 1,605,

Other Prefs. 66)

Missing: 3,021 (As of 16 May 2012)

Evacuees life: **More than 111,000** are still living in shelters after losing homes in the disaster, or having to flee because of the nuclear accident (As of 11 July 2011)

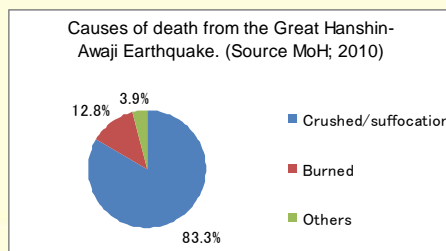
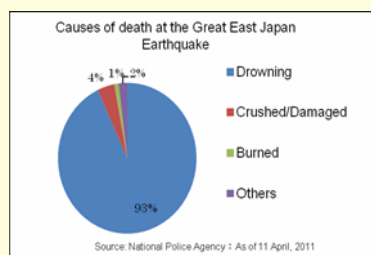
Fukushima Daiichi nuclear power plant damaged: **Crisis level 7** (International Nuclear and Radiological Event Scale; INES)



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Causes of death



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Main Objectives of the Workshop

To learn from the experience of the communities affected by the Great East Japan Earthquake and Tsunami

To exchange information and practical ideas that could assist local communities in their effort to increase their economic activities, in particular by promoting locally-based industries

To share ideas of engaging NPOs and NGOs in the reconstruction efforts



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Participants

Resource persons
(international) 6

Resource persons
(Japan) 5

UNCRD 4

Duration:
25 February-
3 March 2012



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Places Visited and Workshop Participants

Iwate Prefecture (Kamaishi city, Ofunato city,
Rikuzentakata city)
Miyagi Prefecture (Minamisanriku town,
Ishinomaki city),
Fukushima Prefecture (Iwaki city)

- Chamber of Commerce and Industry, Junior Chamber, Shopping Mall Association, fishermen cooperatives, agricultural cooperatives, municipal governments
- NGO/NPO, Ishinomaki Senshu University, Iwaki Meisei University
- Hotels, temple, temporary housing, temporary shopping mall, decontaminated farm land, factory



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Workshop at Kamaishi

Agenda:

- Access to funds/subsidies
- Everyone's smile project
- Container temporary shopping mall
- Reconstruction of aquaculture
- Cash-for-Work by NGO



Challenges:

- Double loan
- Mismatching between business and employment
- Clearance of debris at aquaculture farm
- Acquisition of fishing boat and facilities



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Workshop at Rikuzentakata

Agenda:

- Disaster Reconstruction Plan
- Vision for reconstruction of commerce and industry
- New energy development (biomass, offshore wind power)
- Tourism promotion
- Total support by Nagoya City Government



Challenges:

- Double/triple loan
- Land leveling, relocation to higher ground, cost and time for relocation
- Population outflow



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Temporary housing/ shopping mall

Challenges:

- Recovery of community
- New customers



Temporary housing



Temporary restaurants and pubs



Temporary shopping mall



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Farm land decontamination

Organic
farming,
Kleingarten
⇒ harmful
rumors



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Role of Hotels

Horaikan Hotel



Hotel Kanyo



- Evacuation centre
- Collaboration with
NGO/local governments
- Providing hope
- Education facility



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Temple

- Reconstruction by donation received from world organization regardless of differences in religion
- Ineligible for public support



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Role of Ishinomaki Senshu University

- Evacuation centre
- Medical care centre
- Defense force station
- Volunteer station
- Temporary government branch office, etc.
- Collaboration with local communities
- Centre for local reconstruction



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Discussion with NGO/NPO

Ishinomaki Model:

Collaboration among Ishinomaki City Government (disaster countermeasure office), Volunteer centre (Social Welfare Council), and Ishinomaki Disaster Recovery Assistance Council/IDRAC (coordinator)



Debris

- Reuse
- Recycle
- Disposal



Nippon Paper Ishinomaki factory



Taiheiyo Cement Ofunato factory

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Recommendations

- Close communication and collaboration among local stakeholders such as governments, NGOs/NPOs, private sector, universities, citizens
- Integrated coordination such as Ishinomaki model (IDRAC)
- Reconstruction plan formulated by local stakeholders' initiative
- Simultaneous reconstruction of living environment and livelihood
- Vision and speedy reconstruction procedure
- Roadmap for renewable energy source and new industries



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Disaster preparedness and reduction:

- Early warning system and public awareness
- Pre-disaster education/exercises
- Resilience of critical infrastructure and society
- Reside on high land
- Tsunami *tendenko* (Think about only own safety and run to higher ground.)
- Self-help, mutual- help, public assistance
- Organizing response and recovery



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Thank you

