

World Bosai Forum/International Disaster Risk Conference 2017 in Sendai



Plenary Session

Practical Build Back Better Efforts, and the Course of Action Hereafter

‘Build Back Better’, Sendai’s approach

— Presentation of the Sendai Model —

Kazuko Kohri, Mayor of the City of Sendai

Sendai City's Road to Recovery

2017

2016

2015

2014

2013

2012

2011

3.11 Earthquake Occurred



● Hosted the Third United Nations World Conference on Disaster Risk Reduction

● Hosted the 2017 Sendai Symposium for Disaster Risk Reduction and the Future

● Hosted the 2016 Sendai Symposium for Disaster Risk Reduction and the Future

● Hosted the Tohoku Kizuna Festival

Multiple defenses to minimize tsunami damage

- Building of a coastal levee and an elevated road
- Construction of evacuation hills and facilities



Disaster Waste Disposal

● Formed the Sendai City Earthquake Disaster Reconstruction Plan

Constructed disaster reconstruction municipal housing

Disaster prevention collective relocation



Agricultural rehabilitation (soil desalination; reconstruction and preparation of farmland for cultivation)

● Hosted the Tohoku Rokkon Festival



Development of know-how and experiences

- Reviewing of the Sendai City Disaster Prevention Plan; assistance for disaster victims to resume normal lives; and promotion of Sendai's disaster prevention education



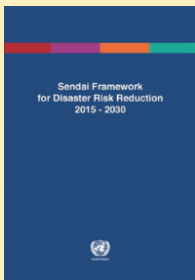
Basic Concept of Sendai City's Recovery

4 courses of actions toward recovery

- 1 Rebuilding disaster prevention systems based on disaster risk reduction
- 2 Addressing energy issues
- 3 Reconstruction with self-help, independence, cooperation, and mutual support
- 4 Creating an economy/urban vitality to drive the reconstruction of Tohoku

Sendai City hosted the Third United Nations World Conference on Disaster Risk Reduction (WCDRR), where the Sendai Framework for Disaster Risk Reduction (SFDRR) 2015-2030 was adopted

Build Back Better



This is a concept by which, in the stage of post-disaster recovery, a municipality should aim not only to achieve recovery to previous conditions but also to make the city better prepared for possible future disaster.



Recovery Projects Reflecting Sendai City's Characteristics

Case
1

Review how to manage evacuation centers



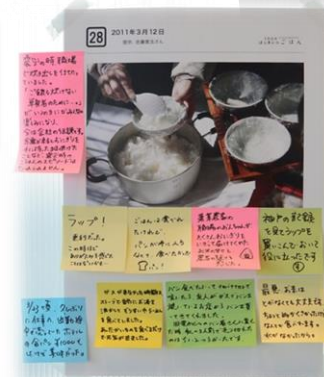
Case
2

Set up a support program for disaster victims to resume normal lives



Case
3

Launch the Earthquake Disaster Memorial Project



Recovery Projects Reflecting Sendai City's Characteristics

Case 1 Review how to manage evacuation centers

Before the Earthquake

Evacuation centers were originally supposed to be managed only by ward office staff. There was no clear division of roles between the local government and communities.

After the Earthquake

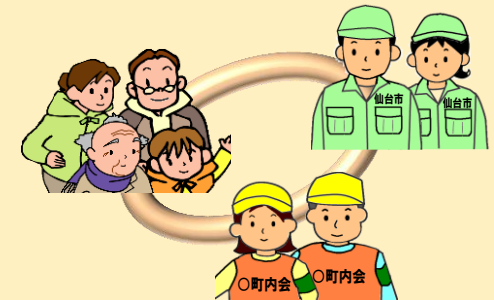
① To manage evacuation centers cooperatively with local organizations, evacuees and city officials.



② To create community-based evacuation center operation manuals, customized to each community's situation



③ To set up a section in the City of Sendai, responsible for evacuation center management in an effort to build face-to-face relationships in communities



Keyword: **Community**

Implement measures to reduce disaster risks based on self-help, mutual aid and public assistance

Recovery Projects Reflecting Sendai City's Characteristics

Case 2

Set up a support program for disaster victims to resume normal lives

Support for those living in temporary housing

Visit people house to house to grasp the living conditions and recovery plan of disaster victims



Sort out and analyze problems facing each household

Share information among those providing support and clarify the division of roles



House reconstruction: feasible

Households in need of daily-life support

Households able to independently recover in terms of housing and daily life

Households in need of both housing and daily-life support

Households in need of housing support

House reconstruction: impossible

Daily life: dependent

Daily life: independent

高↑住まいの再建
自立性
日常生活の実現性
↓低

低← 日常生活の自立性 → 高

Keyword:

Diversity

Build up a system of information sharing between Sendai City and its affiliated institutions, organizations, and NPOs and clarify roles in providing support while taking into consideration various opinions and needs

Recovery Projects Reflecting Sendai City's Characteristics

**Case
3**

Launch the Earthquake Disaster Memorial Project

The need to reflect on why we were unable to make full use of the wisdom of our predecessors, and to prevent the lessons learned from the disaster being forgotten



Sendai City Disaster Reconstruction Memorial Committee held discussions on ideas

- Preservation of disaster ruins



- Built a memorial facility, serving as a base for interaction



- Issued booklets recording the post-disaster recovery efforts



- Hosted the Third United Nations World Conference on Disaster Risk Reduction
- Hosted the Sendai Symposium for Disaster Risk Reduction and the Future

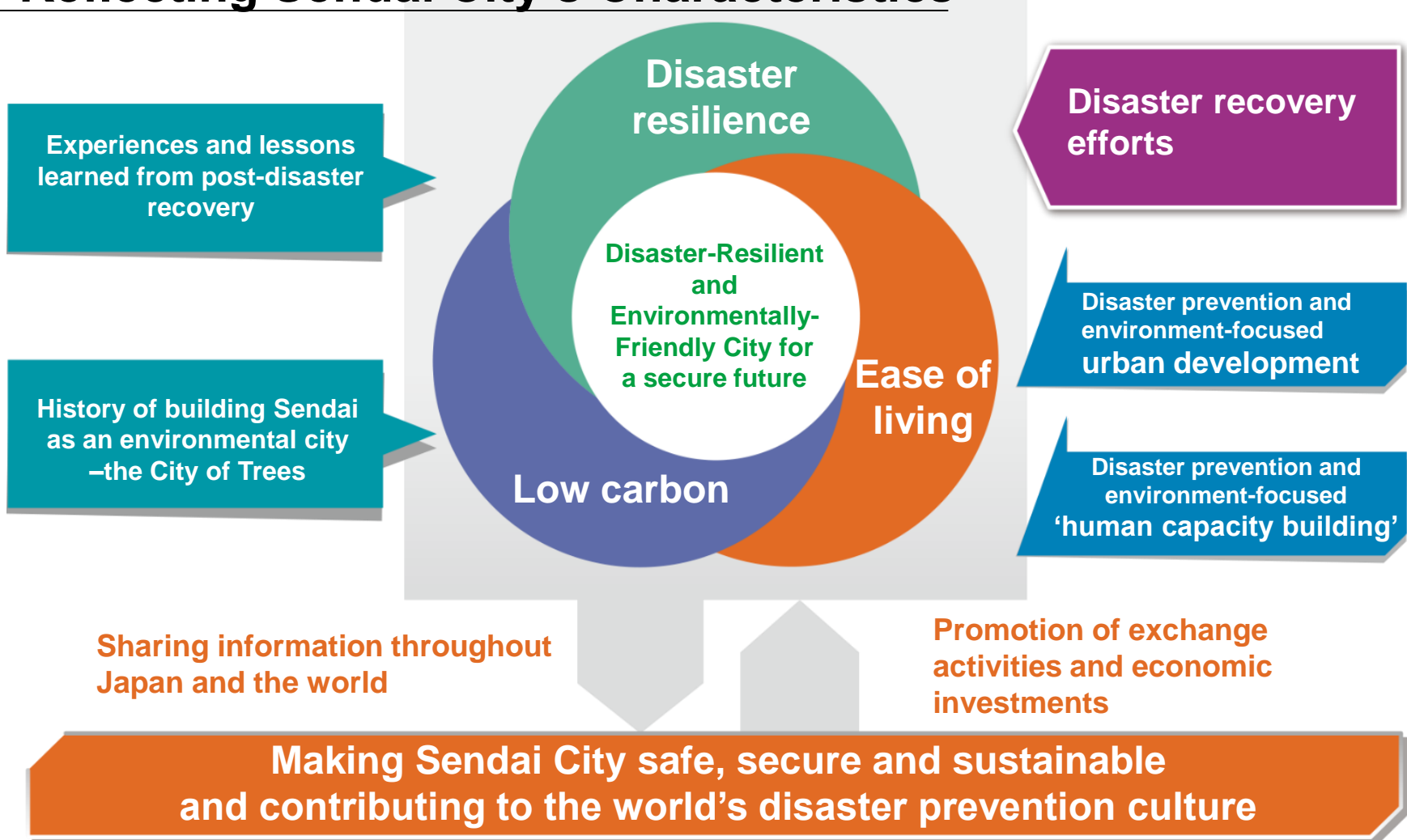


Key phrase:

Learn and pass down

Send out and pass down messages from a long-term point of view to share the memories of the disaster with people in other countries and future generations

Presentation of *the Sendai Model*, Recovery Projects Reflecting Sendai City's Characteristics



Presentation of *the Sendai Model*, Recovery Projects Reflecting Sendai City's Characteristics

Collaboration based on the

Community

Support based on

Diversity

***Learn and
pass down***

individuals' experiences

Post-disaster recovery efforts
that value gaining citizens' trust

Sendai's Build Back Better Model



Aiming to Make Sendai a 'Disaster-Resilient and Environmentally-Friendly City'



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