#### International Disaster Resilience Leaders Forum Incheon 2022 2022 인천 국제재난복원력 지도자 포럼

다. THE INCHEON 후원

UNDRR

Incheon Metropolitan City

2022.9.28.-29. SONGDO CONVENSIA GRAND BALLROOM A HALL 송도 컨벤시아 그랜드볼룸 A홀

# DRR Strategies of the City of Sendai

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City of Sendai Disaster-resilience and Environmental-friendly Promotion Section,

JAPAN

#### **1** About our city - Sendai

# the Sendai Framework for DRR

Sendai, 14-18 March

Third UN World Conference

on Disaster Risk Reduction

# the Third UN WCDRR

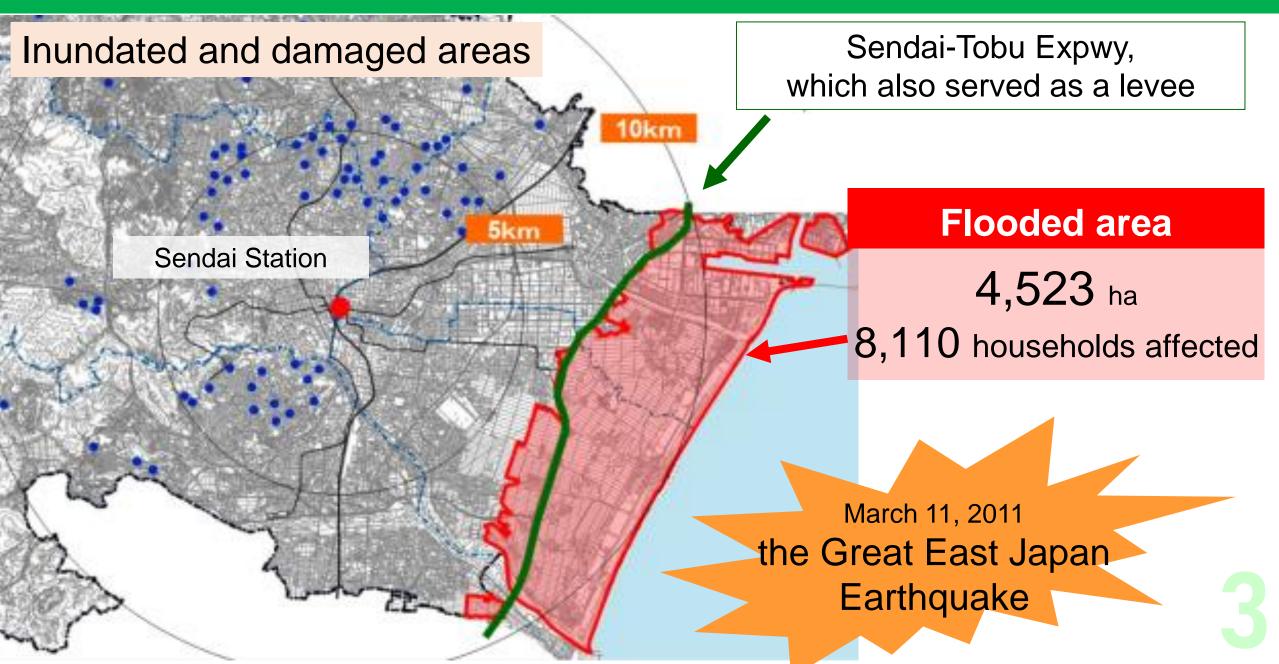


Our city

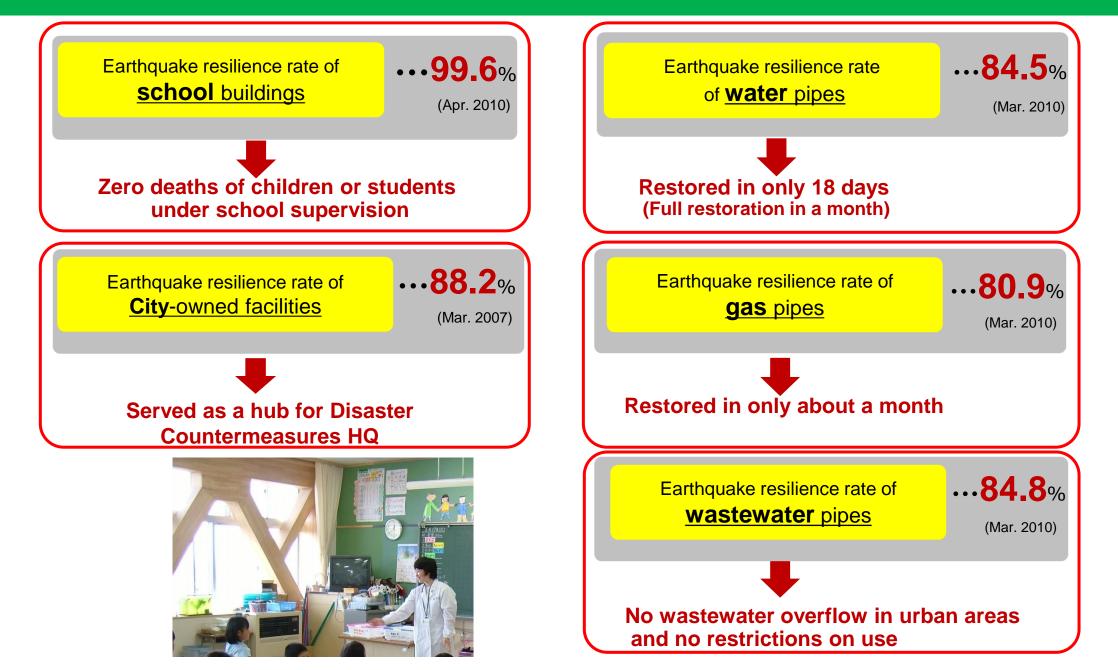




#### 2 Learning from GEJE



#### **2** Learning from GEJE



#### Lessons from Past Earthquakes

Multiple defenses in anticipation of a Miyagi offshore earthquake resulted in **minimizing damage** and contributing to prompt **recovery and reconstruction efforts** 



#### **3** DRR Related Plans and Implementation

1997	Sendai City <b>Basic Plan</b> for Becoming a Disaster-Resilient City	Estimated potential damages from future disasters (including tsunamis) and outlined our vision for disaster risk reduction
2008	Sendai City Earthquake Resilience Policy	Promotion of earthquake resilience renovations of existing structures
	Background	
1978	Miyagi-ken-oki Earthquake	The first urban earthquake to strike a city with a population of over 500,000
1995	Great Hanshin-Awaji Earthquake	A near-field earthquake that directly struck urban areas

#### **3** DRR Related Plans and Implementation



- Creating a sustainable and flexible urban environment -

The City of Trees Urban Environment Plan

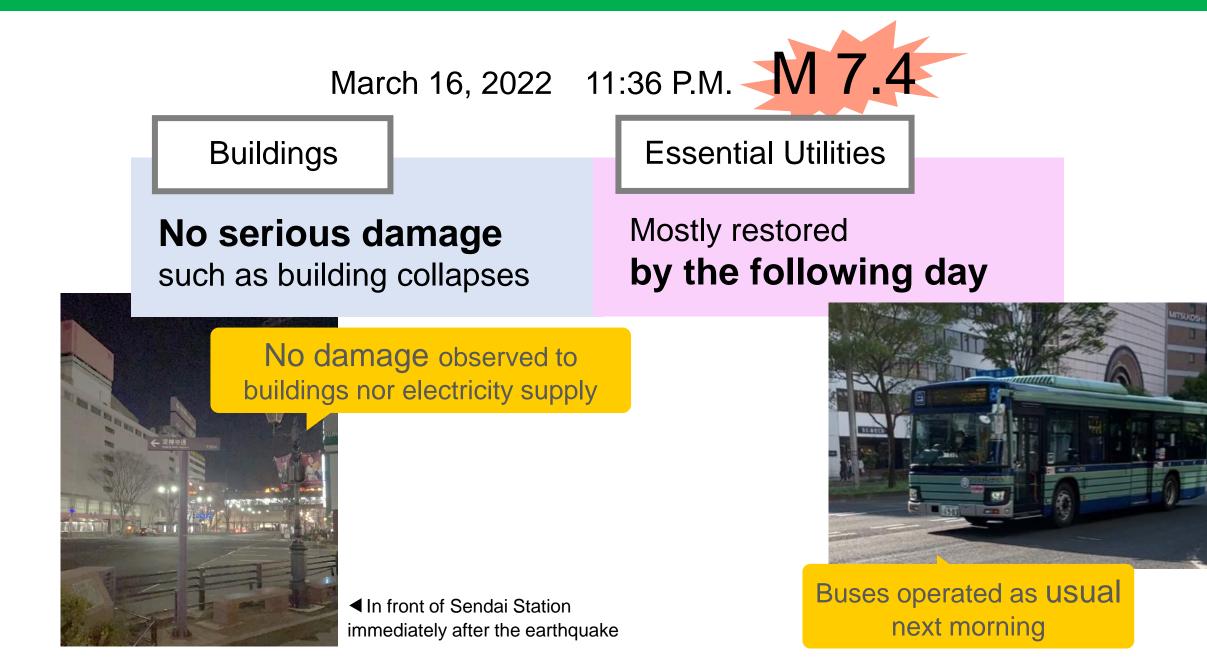
**Basic Green Plan** 

Sendai City Planning Master Plan

Sendai City Regional Disaster Management Plan

•••etc.

#### **3** DRR Related Plans and Implementation





## **Study & Share**

Seminars of the Sendai Framework for DRR for citizens in Sendai City





#### Measures

- City planning
- Human capacity building
- Passing down experiences and lessons

#### Background

- History of building Sendai as an environmental city
- Experiences and Lessons of Major Earthquakes and the Earthquake Disaster Reconstruction Plan
- The WCDRR was held in Sendai and the Sendai Framework for DRR was adopted

#### Enhancing resilience of utility infrastructure Enhanced DRR and environmental friendliness (Minami - Gamo Wastewater Treatment Plant)

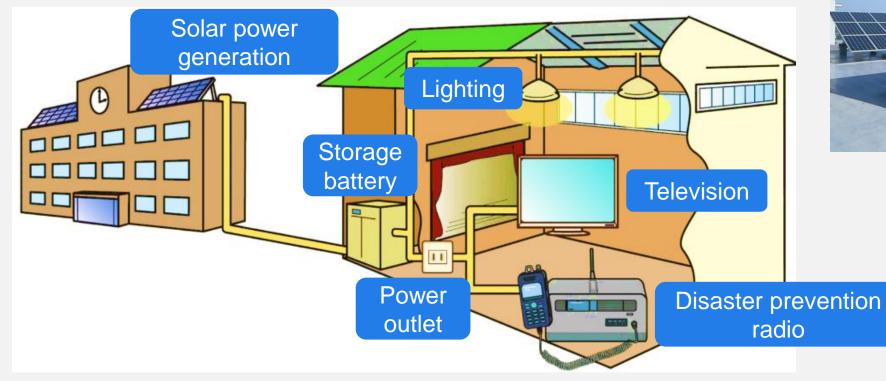






A new plant with energy saving features and low environmental impact (2016 $\sim$ )

# Energy efficiency measures at designated evacuation centers Installation of disaster resilient solar panels





## **1BOSAI-TECH**

Integrated DRR, Technology, and Business Continuously create new solutions https://sendai-bosai-tech.jp/en/

② Midterm review <u>at local government level</u> for the "Sendai Framework for DRR 2015-2030" through Local Government and Academia partnerships

### **3World BOSAI Forum**

World Bosai Forum / International Disaster Risk Conference 2023 in Sendai

Scheduled Date : March 9 to 12, 2023 https://worldbosaiforum.com/en/



Forum

SENDAI

BOSAI

## Thanks for your attention !



SENDAI

FUTURE

**Disaster-Resilient &** Environmentally-Friendly City

https://sendai-resilience.jp/en/

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