

World Bank Resilient Housing Reconstruction Technical Knowledge Exchange in Japan

Pre-Disaster Reconstruction Initiatives In Tokyo

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Urban Development Department**

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Issues to consider based on recent natural disasters

- Since an earthquake in the capital of Japan (Tokyo) is expected to cause more devastating damage than the Great Hanshin-Awaji Earthquake or the Great East Japan Earthquake, advance preparations, such as thinking about how to reconstruct before disaster are essential.
- The speedy recovery of Tokyo as the political and economic center of Japan, is desired not only by Japan but the entire world.



- ✓ **After a disaster, does all officer understand the procedures and division of roles for reconstruction?**
(Examples) Understanding the damage situation, Formulation of reconstruction policies and plans, implementing building restrictions, etc.
- ✓ **Has it been clarified which locations and urban facilities should be given priority for reconstruction?**
(Examples) Roads, railways, rivers and parks, land readjustment, redevelopment, etc.

Overview of Pre-Disaster Reconstruction of Cities

■ Initiative of Pre-disaster reconstruction

- In the event of an earthquake in the capital of Japan (Tokyo) or other disaster, to achieve rapid and planned urban reconstruction, consider in advance the concept, procedures, and execution system for reconstruction, and share them with Tokyo residents, administrative staff, etc.
- Following the Great Hanshin-Awaji Earthquake (January 1995), Tokyo began its initiatives towards "pre-disaster reconstruction" ahead of the rest of the country.

① How urban reconstruction should be



Grand Design for Earthquake Disaster Recovery

A basic guide to rebuilding a city after a disaster, showing the goals of reconstruction and the image of the city after reconstruction

➡ "Grand Design for Urban Development"
Was partially revised



The concept of urban reconstruction, Goals and Basic Policy

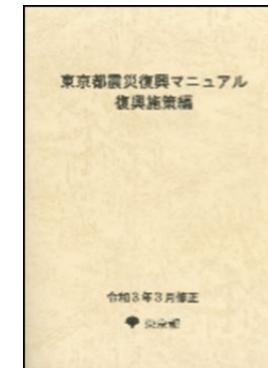
Guidelines for formulating policies and plans for urban reconstruction and implementing projects in the event of damage caused by natural disasters

② Urban reconstruction procedures and execution system



Tokyo Earthquake Recovery Manual (Reconstruction Process)

Basic Concepts for Reconstruction
Mechanisms for promoting resident-led reconstruction



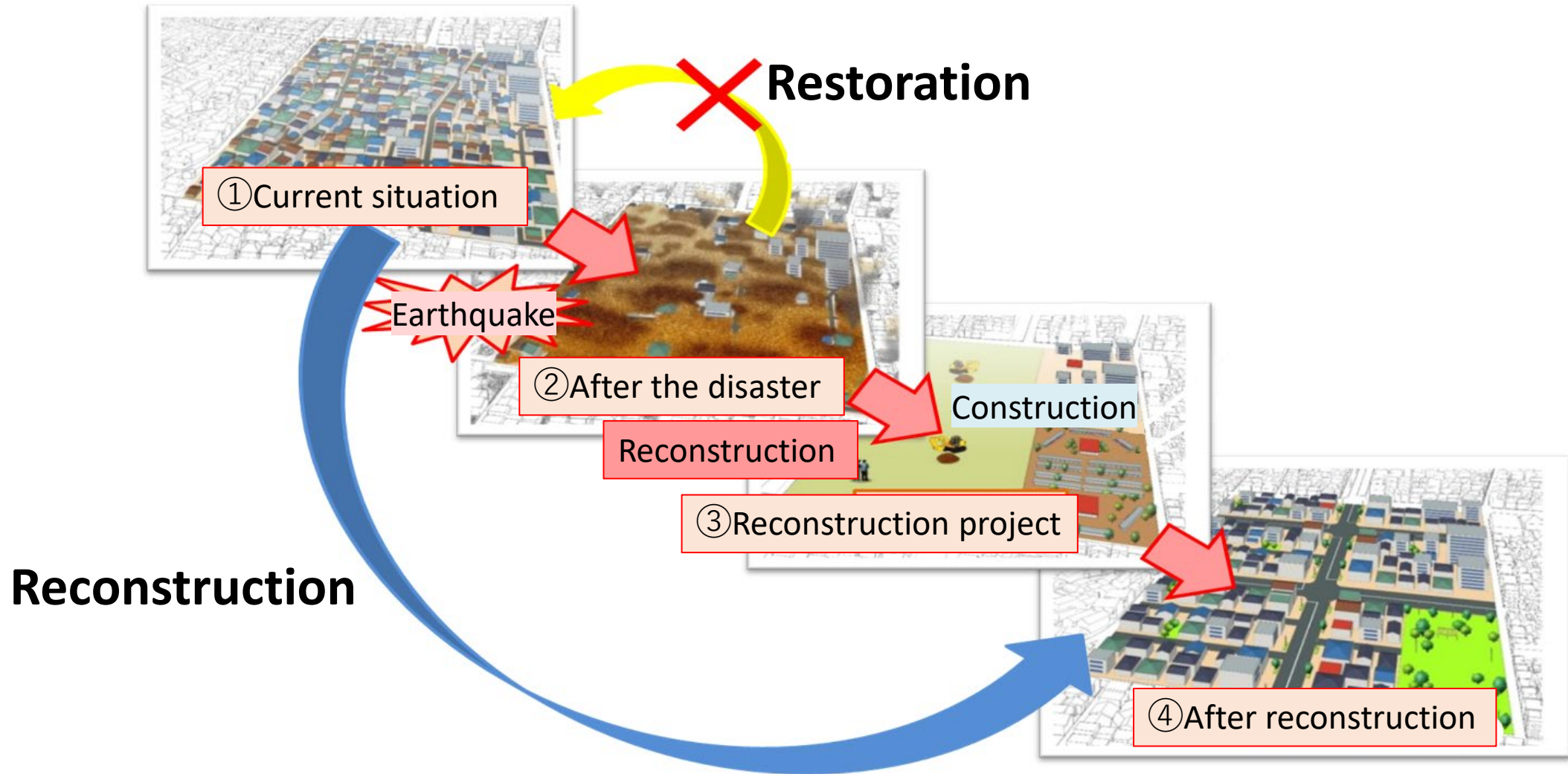
Tokyo Earthquake Disaster Recovery Manual (Reconstruction measures)

In the event of a disaster, describes the actions that the government should take and the necessary projects, etc.

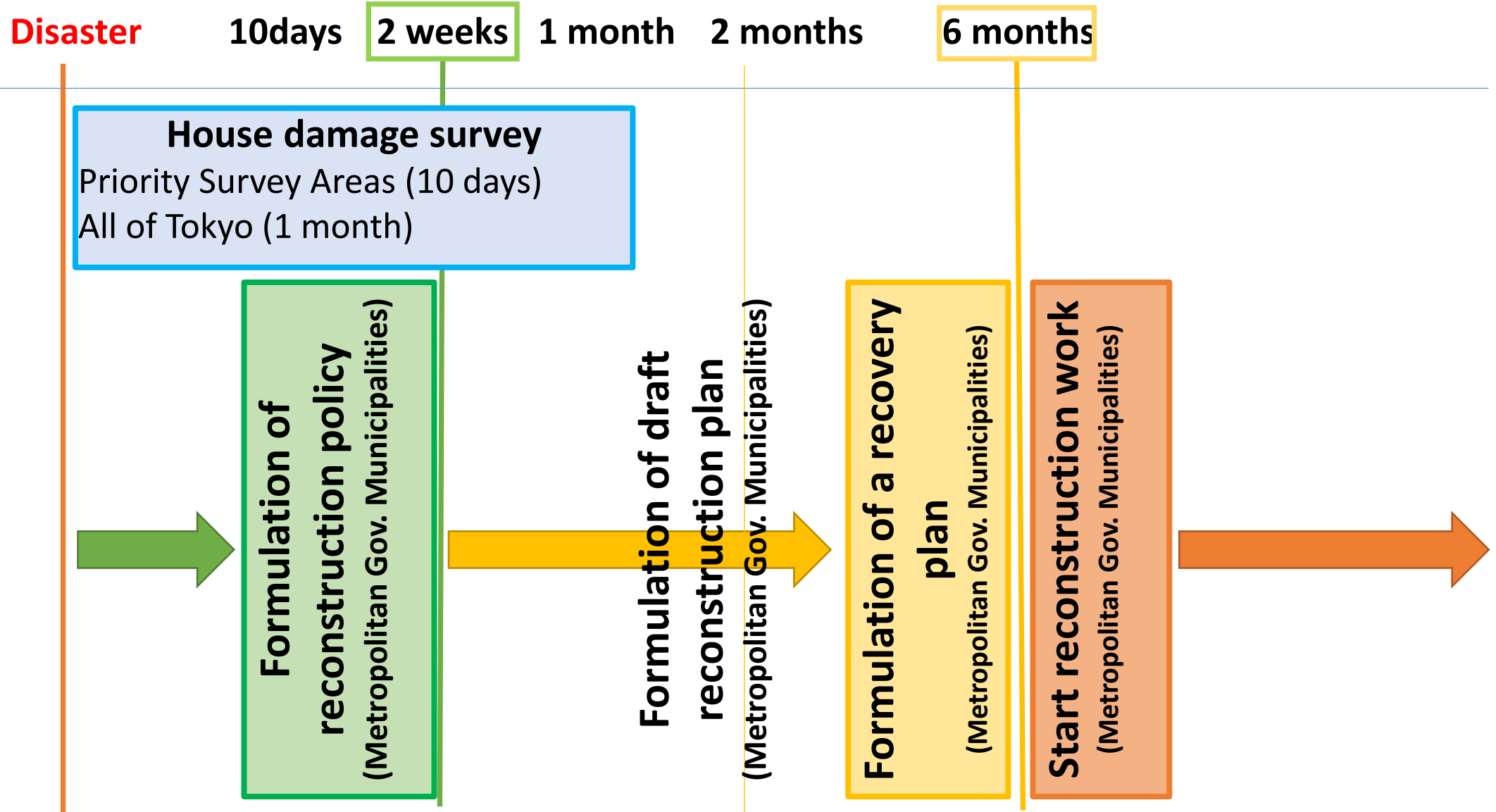
➡ Share ③ Raising awareness among Tokyo residents, etc., 4) Improving the practical skills of administrative staff

■ Purpose of reconstruction

- To prevent the recurrence of disasters in disaster affected urban areas, rebuild the area to be safer and more comfortable place.



■ The process of reconstruction



Urban Reconstruction Training and Awareness-Raising Initiatives

Urban reconstruction training and awareness-raising initiatives

- Every year, we plan and consider timely content to promote pre-disaster reconstruction efforts in cities.

○ Various training sessions

- Created a recovery manual in the wake of the Great Hanshin-Awaji Earthquake
- Urban reconstruction training has been conducted every year since 1998

- ① Wide-area urban reconstruction training
- ② Urban reconstruction training
- ③ Training for practitioners of urban reconstruction planning
- ④ House damage survey training



Wide-area urban reconstruction training



House damage survey training

○ Promotion of public awareness

- Since 2000, the "Pre-Reconstruction Symposium" has been held every year
- From 2023, the 100th anniversary of the Great Kanto Earthquake will be celebrated. Conducting "training for children"



Symposium



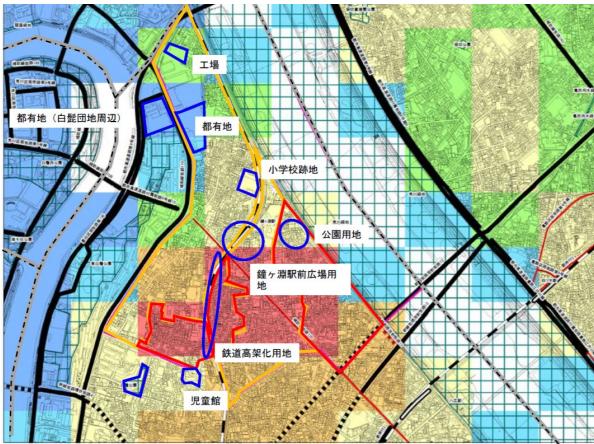
Children's Training

Overview of various trainings

- Training is conducted for Tokyo Metropolitan Government staff and municipal officials, following the procedures outlined in the Earthquake Reconstruction Manual
- With the cooperation of academic experts and other specialists in urban recovery, the program aims to strengthen the practical capacities of government staff.

①Wide-area urban reconstruction training ②Urban reconstruction training

- Training for **Tokyo Metropolitan Government staff and municipal officials**
- **Formulate recovery policies and plans**



Organization of urban facilities, etc., to be implemented by the Tokyo Metropolitan Government (Metropolitan-wide Urban Reconstruction Training)



Consideration of reconstruction target areas (Urban Reconstruction Training)

③ Training for practitioners of urban reconstruction planning

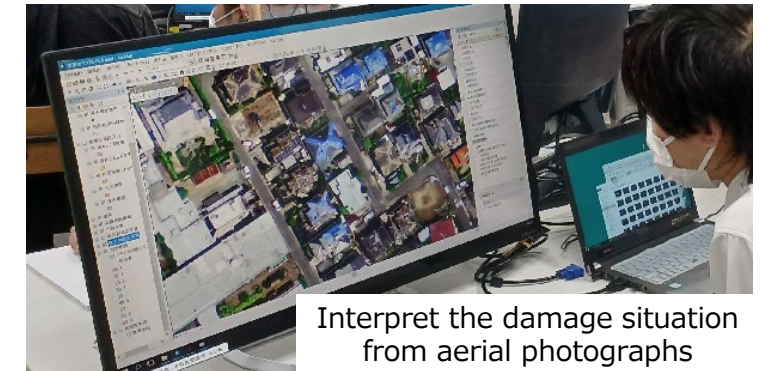
- Training for **Municipality Officers**
- **Planning and designing training with local residents**



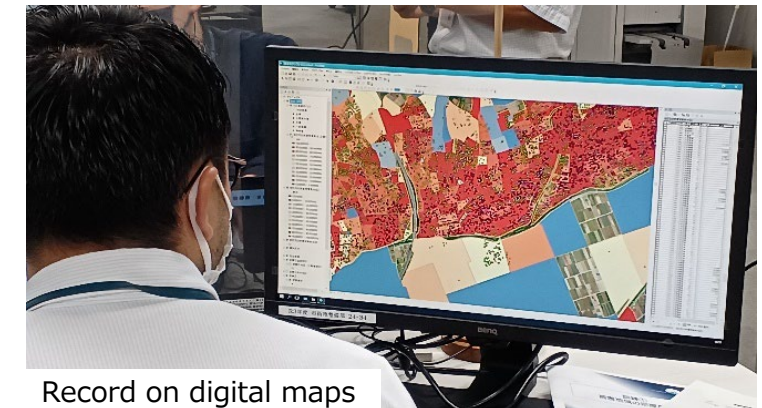
Municipalities **independently** conduct training with local residents

④House damage survey training

- Utilize **aerial photographs**, etc., to **grasp the damage situation**
- **Data transmission** between the Tokyo Metropolitan Government and Municipality



Interpret the damage situation from aerial photographs



Record on digital maps

Training for children in collaboration with local communities and universities

➤ Conducting training for elementary school students in Tokyo in cooperation with local community associations and universities

■ Date and time:

① September 26th and October 3rd, 2024, 4th grade students at Shinjuku Ward Totsuka Daiichi Elementary School

② October 9, 2024, 4th grade students at Shinjuku Ward Totsuka Second Elementary School

■ Participants: 10 members of the Totsuka Collaborative Reconstruction Research Group, 20 university and graduate students, Shinjuku Ward and other related parties



**Lectures on disaster prevention
and pre-reconstruction**



Fieldwork



Making an escape map



**Children give presentations to
their parents about future
town development**

**We will expand our efforts to multiple generations through classes for children,
Creating connections with the local community**