

Designing Resilient  
Cities through  
Data-Driven  
Solutions in a  
Riskier World

Lessons learned  
from Japan and the  
world

データ利活用  
によるレジリ  
エントな都市  
のデザイン

日本と他国か  
ら学ぶ教訓



# Designing Resilient Cities through Data-Driven Solutions in a Riskier World

Lessons learned  
from Japan and the  
world

## Agenda

June 20th 9:00 AM

Learn how cities  
can leverage  
the power of  
data

9:00 -  
9:25

Explore the importance of building the foundation of data ecosystems; learn how cities can leverage the collective power of data to promote resilience and sustainable development.

Listen to  
successful  
stories of data  
utilization from  
around the  
world

9:25 -  
10:00

Fireside chat with the Mayor Fuji of Toyama City.

10:00 -  
11:00

Engaging panel discussion of representatives from: Kobe, Japan, Semarang Indonesia , Kenya and Ukraine.

Break

11:00 -  
11:10

Try it for  
yourself:  
in a hands-on  
experience with  
a powerful  
urban planning  
tool

11:10 -  
12:30

Participants can experience first-hand an urban planning tool that accelerates the suitable location of specific projects or policies, and aids detecting disaster-prone areas, reducing risk, strengthening resilience, and enabling informed investment.



# Designing Resilient Cities through Data- Driven Solutions in a **Riskier World**

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# World is increasingly **urbanizing**

By 2050, 68% of the world population is expected to live in cities.





Rapid growth can also **exacerbate existing problems** such as unemployment, poverty, and environmental degradation.





**Cities need innovative solutions**  
to build a more resilient future for  
this and the next generations.





**Data** is to this century  
what oil was to the last  
one...”

*The Economist, 2017*





Innovative ways of generating  
**geospatial data** are **revolutionizing**  
how cities manage their  
environments



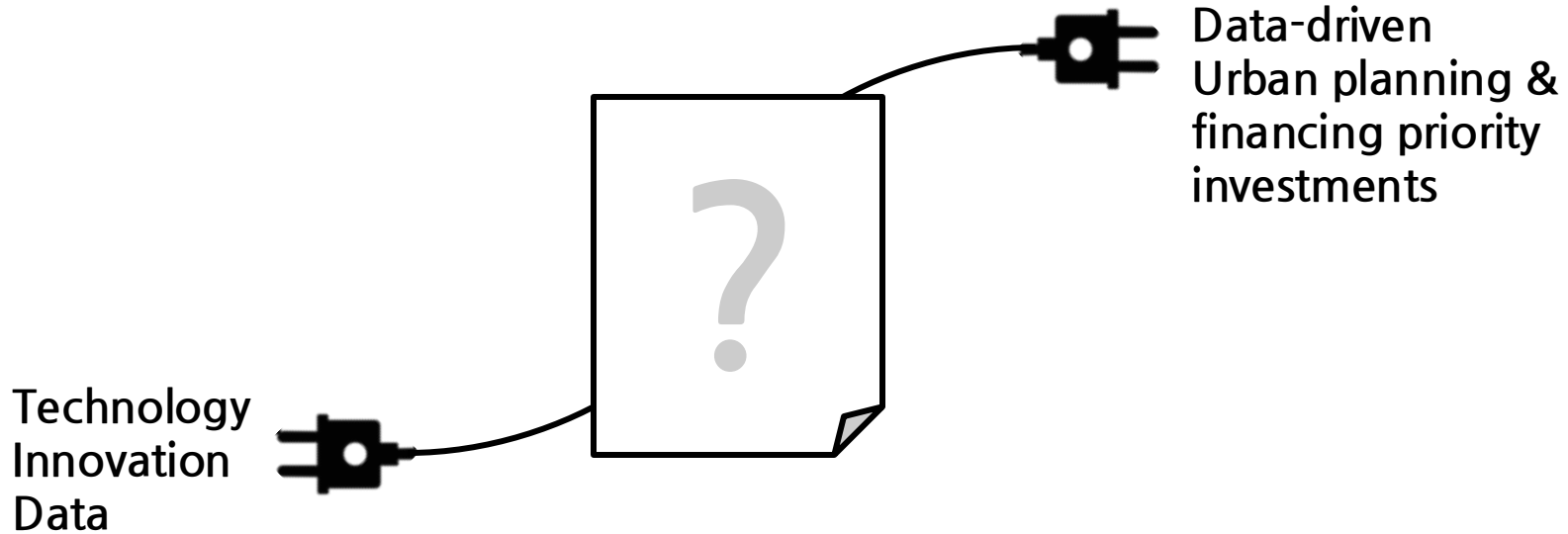


# Data everywhere



and yet...

# What is the **missing** piece?



Effective data governance is crucial to **unlock the true potential** of data and to enable cities to make informed decisions.



Addressing a real gap -

**Less than 20% of low and middle-income countries** have data ecosystems that allow governments to act with robust information.

-- WDR 2021







Data ecosystems  
help build resilient  
cities





## Fireside Chat:

Resilient by design -  
Planning and  
Building Cities with  
Data in Toyama City

Moderator

Angelica Nunez

Mayor of  
Toyama

Hirohisa Fuji



## City Spotlight Panel:

Data-driven solutions  
for resilient urban  
planning, governance  
and reconstruction

Moderator

Ming Zhang

Kobe

Yasuhiro Matsuo

Indonesia

Rivo Ghalif Mijaya

Kenya

Lilian Kieni

Ukraine

Oleksandr Petroshchuk

