

# International contributions of "FutureCity" Yokohama



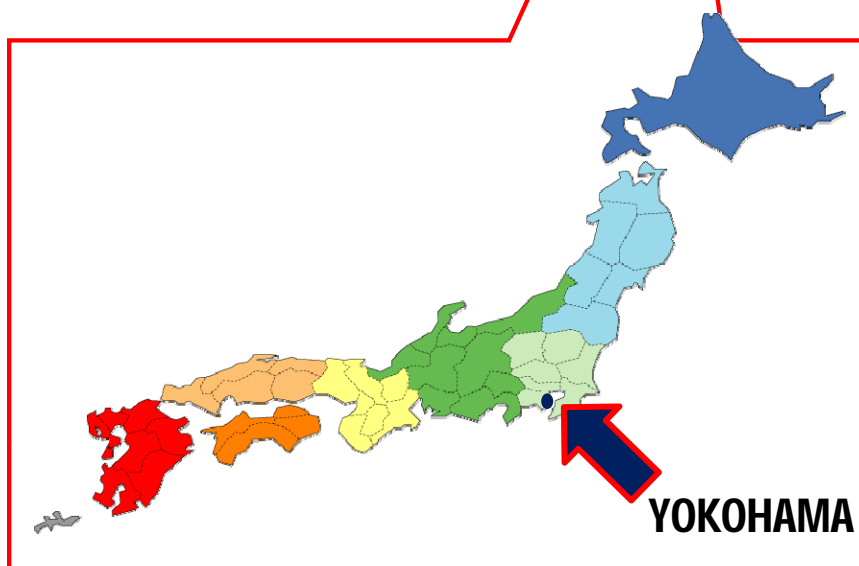
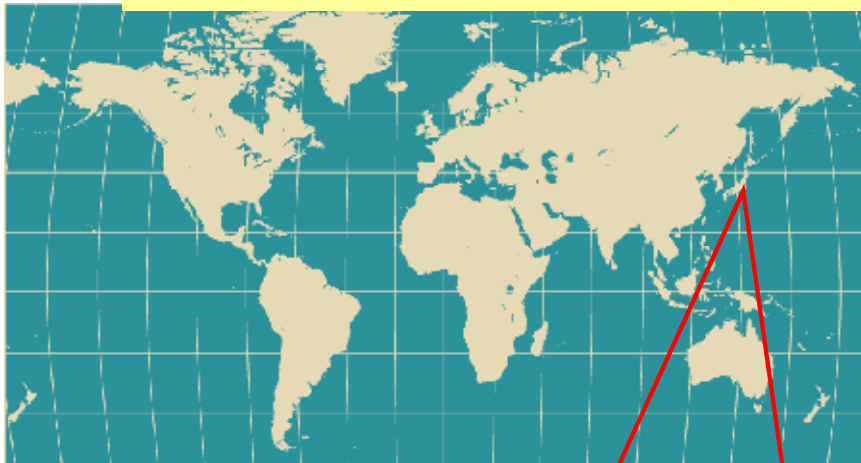
City of YOKOHAMA

1. Overview of Yokohama
2. Efforts of “FutureCity” Yokohama
3. International contributions of Yokohama

# Location of Yokohama

Located in the Tokyo Metropolitan Region, the largest metropolis in the world

Population: 3,7 million (Apr. 2012)  
Households: 1.6 million  
Japan's second largest city



(tens of thousand people)2011 IMF

1	China	1,348.12
...		
10	Japan	127.82
...		
123	Liberia	3.88
124	Kuwait	3.68

GDP \$150.0 billion USD (2009)

(Billion USD)2009 IMF

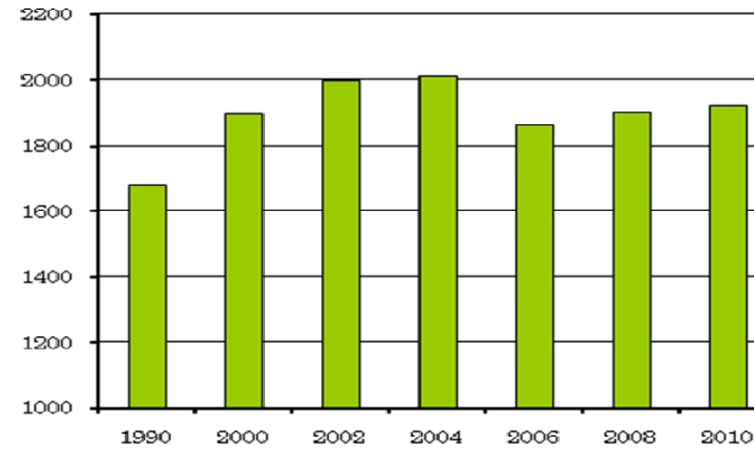
49	New Zealand	161.8
50	Hungary	138.0

Area 434.98 km<sup>2</sup>

DVD  
“Yokohama Smart Innovation”  
(3 minutes)

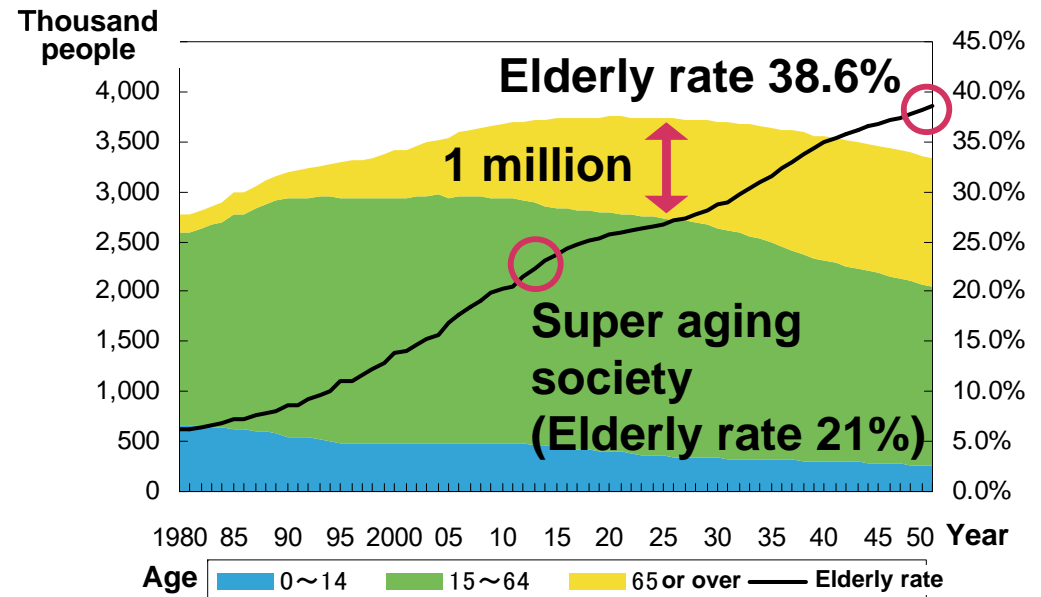
- ◆ Increase of GHG emission
  - Rapid population growth (3.5 times that of 60 years ago)
  - Population in Yokohama expected to increase until 2020

Estimated GHG emission in Yokohama

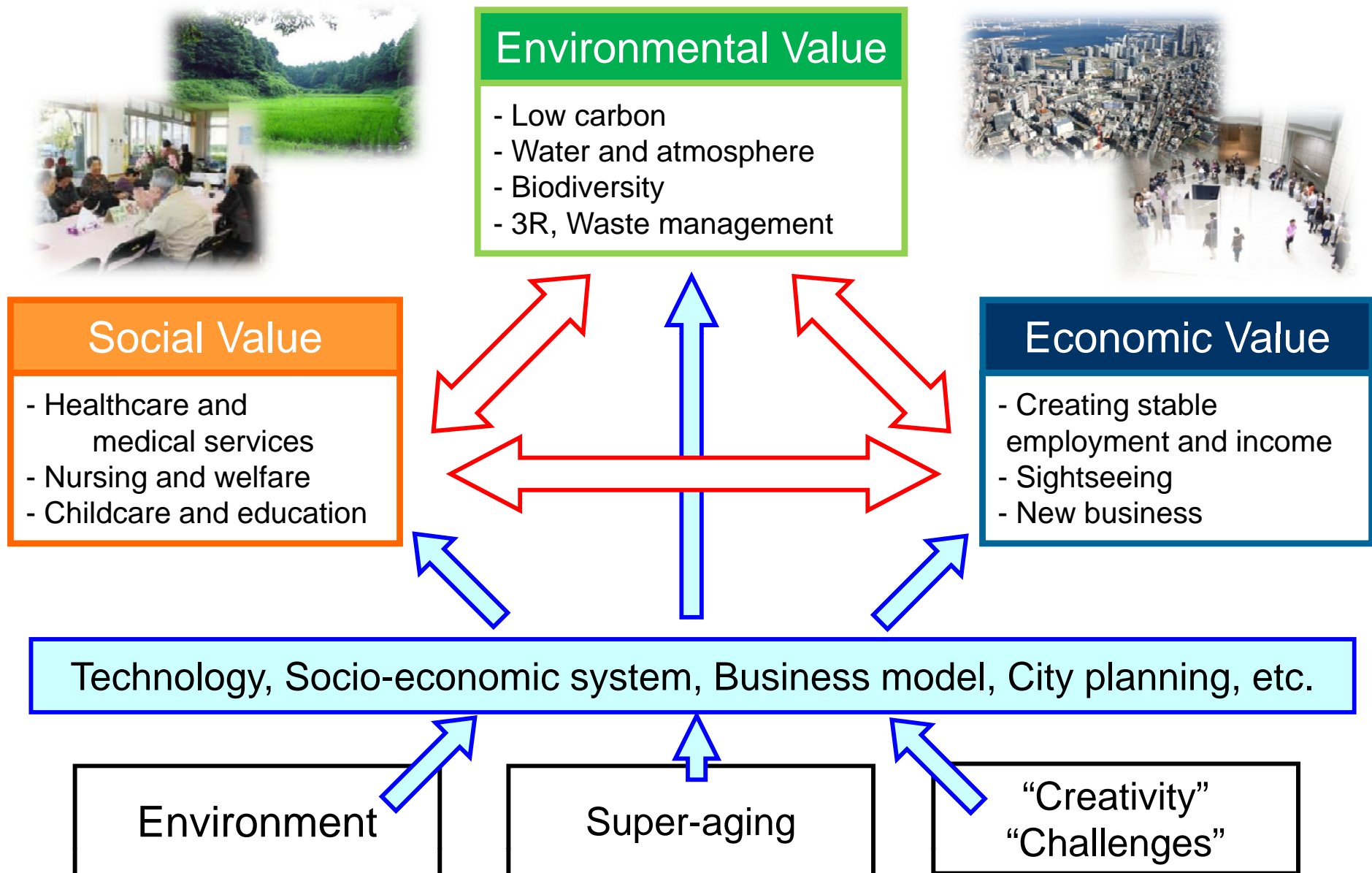


- ◆ Super aging at rapid pace
  - Yokohama to face super aging society around 2012 with a rate of more than 21%
  - Population over 65 in Yokohama exceeds 1 million in 2025

Estimated population in Yokohama



# “FutureCity” Yokohama



# Low CO<sub>2</sub> and Energy Conservation

- City-wide implementation of a “Smart City” initiative for drastic CO<sub>2</sub> reduction
- Provision of service packages that offer what buyers need

## ➤ Establishment of a community energy management system (CEMS)

**TOSHIBA**  
Leading Innovation >>>

**accenture**  
ハイパフォーマンスの実現へ



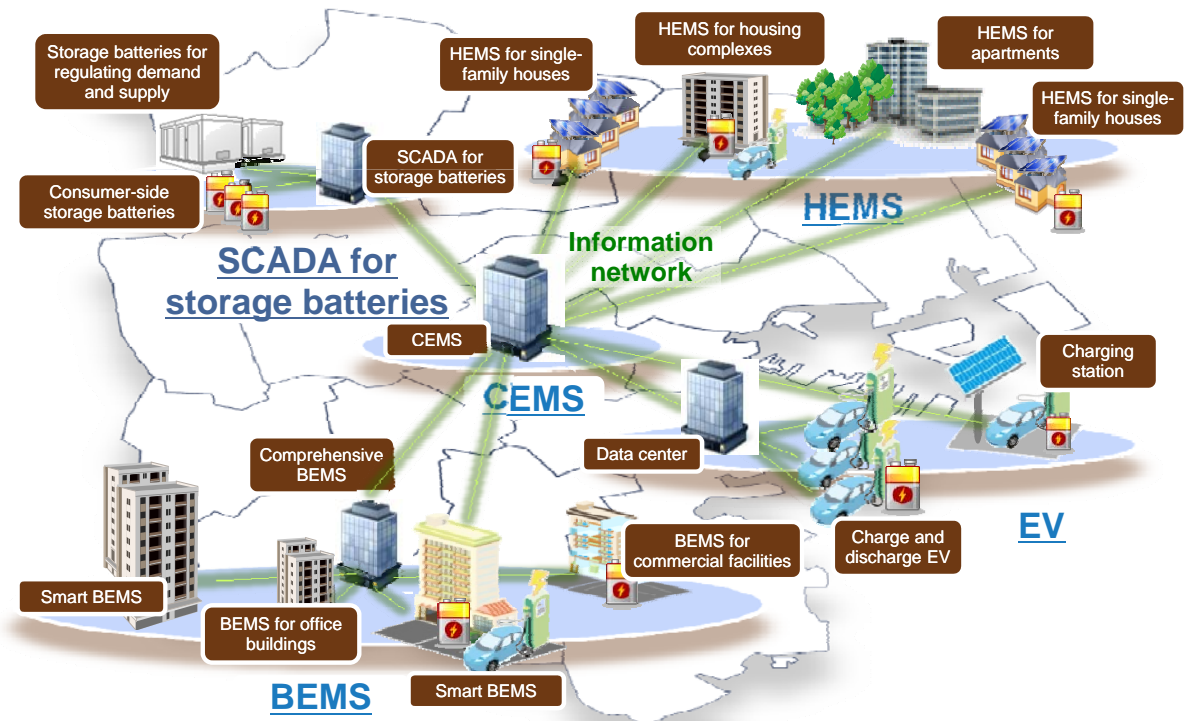
**MEIDEN**

**NISSAN**

**Panasonic**

**TOKYO GAS**

- ✓ Establishing a large-scale energy network to balance demand and supply and facilitate mutual support
- ✓ Supporting a large-scale introduction of renewable energy sources to ensure the continuity of urban activity following a disaster



Note) HEMS: Home Energy Management System  
BEMS: Building and Energy Management System

CEMS: Community Energy Management System

- ✓ Supporting the launch of overseas water businesses through collaboration between the public and private sectors
- ✓ Introducing the advanced urban infrastructure technology overseas

### Yokohama Water Business Conference

133 companies and organization + Yokohama

Use of various technologies and know-how of Yokohama to support the launch of businesses overseas



- In Vietnam, collaborate with JICA to establish a framework for supporting human resource development and practical training for water supply companies in 17 provinces and cities.
- A company founded by the municipal water department offers consultation to business enterprises about conducting business overseas, and accept trainees.



Yokohama establishes its own brand of water and wastewater treatment service.  
Yokohama takes an initiative in launching an overseas water business.



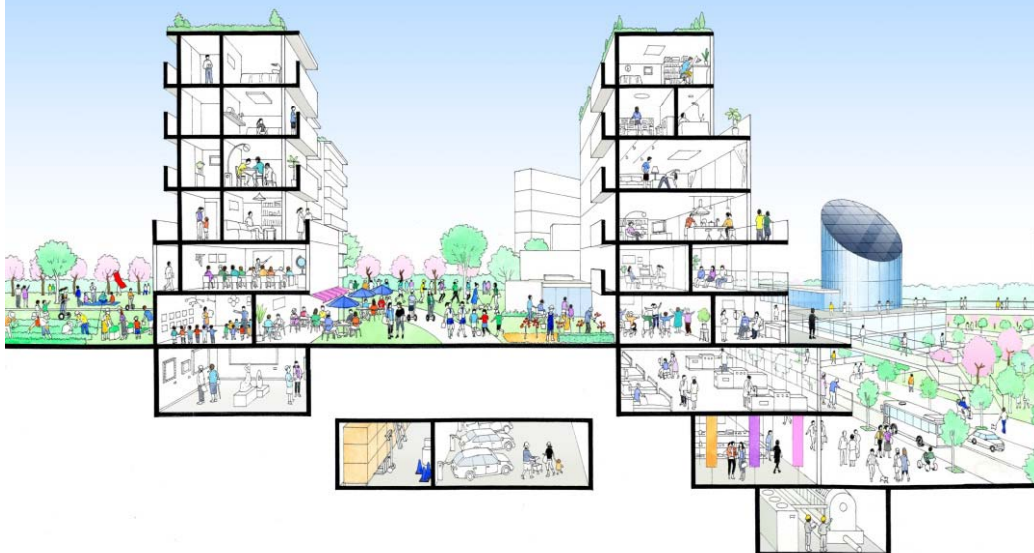
# Super-aging

- **Friendly hometown community where people of all generations -from children to elderly- feel connected and live in security.**

Supporting people spending most of their time at home by strengthening the connection between a community network of all people living in the community and public services.

- ✓ **Sustainable residential area model project**

Provide excellent livelihood support by improving access to train stations from large housing complexes and residential quarters located along the railroad line, providing easy access to schools, healthcare and welfare services.



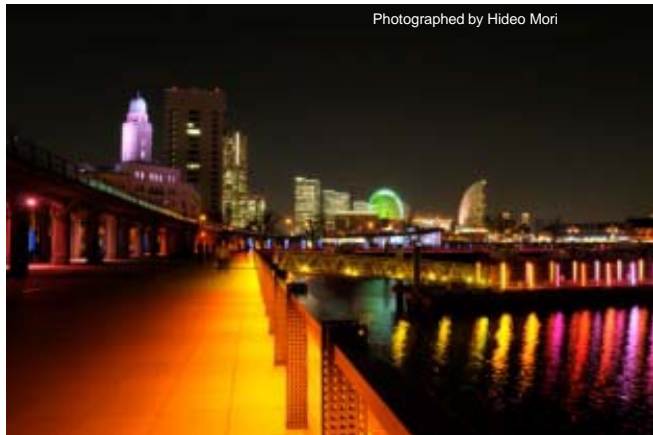
Grant various privileges to elderly people for participating in lessons and events.  
Provide elderly people with enjoyable opportunities for maintenance of health and activities in the communities.



**The Emperor, Empress and Mayor of Yokohama encouraged senior citizens that support the elderly in volunteer activity.**

# “Creativity”

- Launch a Yokohama brand that is built on high quality culture and arts
- Establishing Yokohama's international status as the location for MICE.
- Taking advantage of the resources of Yokohama (sea, ports, cultural assets, urban spaces) to revitalize the local economy, encourage creativity, and achieve an urban renaissance



Photographed by Hideo Mori

energy conservation technology  
+ art  
= Smart illumination

Demonstration run of F1 car  
in Motomachi street, Yokohama



Red Bull Energy for Japan

In Yokohama, Japan



Exchange between the residents of  
Yokohama and the Brazil supporters  
at 2002 FIFA World Cup Korea/Japan

APEC JAPAN 2010  
Yokohama is the venue of the meeting



APEC  
JAPAN 2010

APEC JAPAN 2010  
APEC Ministerial Meeting

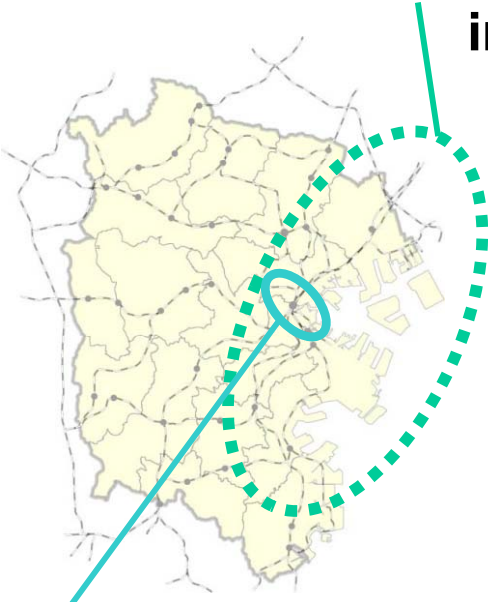
APEC JAPAN 2010

Asia-Pacific Economic Cooperation

## “Challenges”

- ✓ **Special zone for integrated international strategy for life innovation in Keihin waterfront areas** (selected by Government)

Creating an internationally competitive life science center.



ORIKEN Yokohama Institute  
○Yokohama City University  
Tsurumi Campus  
○Yokohama Bio Industry Center,  
○Yokohama Biopharmaceutical  
Research & Development  
Center



- ✓ **Special urban renaissance districts requiring urgent upgrades**

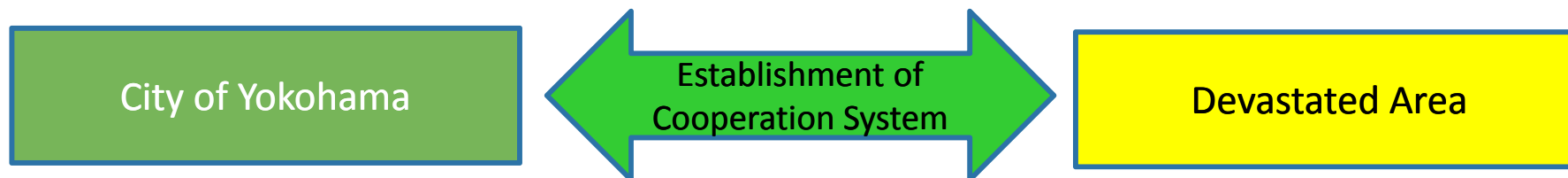
(selected by Government)



Encourage global companies to establish Asian headquarters in Yokohama and implement urban renaissance to attract more companies, thereby becoming an economic leader in Japan and creating new business opportunities.



# Provisions of Reconstruction Assistance to Devastated Area



## Reconstruction through YSCP

- Development of Smart Town for simulating the acceptance of the victims of the Great East Japan Earthquake
- Establishment and management of the Cloud Computing Network Data Center for local governments

- Contribution for planning reconstruction
- Reconstruction and management of tap water and sewage infrastructure through PPP

Aizu wakamatsu City  
(Fukushima)

Yamamoto-Town,  
Minamisanriku-Town  
(Miyagi)



# The Evaluation of the City of Yokohama



The first 6 “Eco 2 Cities”  
 Yokohama(Japan) ,Brisbane(Australia)  
 Curitiba(Brazil), Stockholm(Sweden),  
 Singapore, Auckland(New Zealand)



C40: Member of the international Group for environmental issue



Photo : Nikkei BP Clean Tech Institute

First winner of the World Smart City Awards in Barcelona, Spain (2011)



‘FutureCity’ Yokohama in Rio de Janeiro, Brazil (Rio+20, 2012)



Exchanging memorandums with the City of Cebu, the Philippines(2012)



