

Creating "FutureCities" to invigorate localities

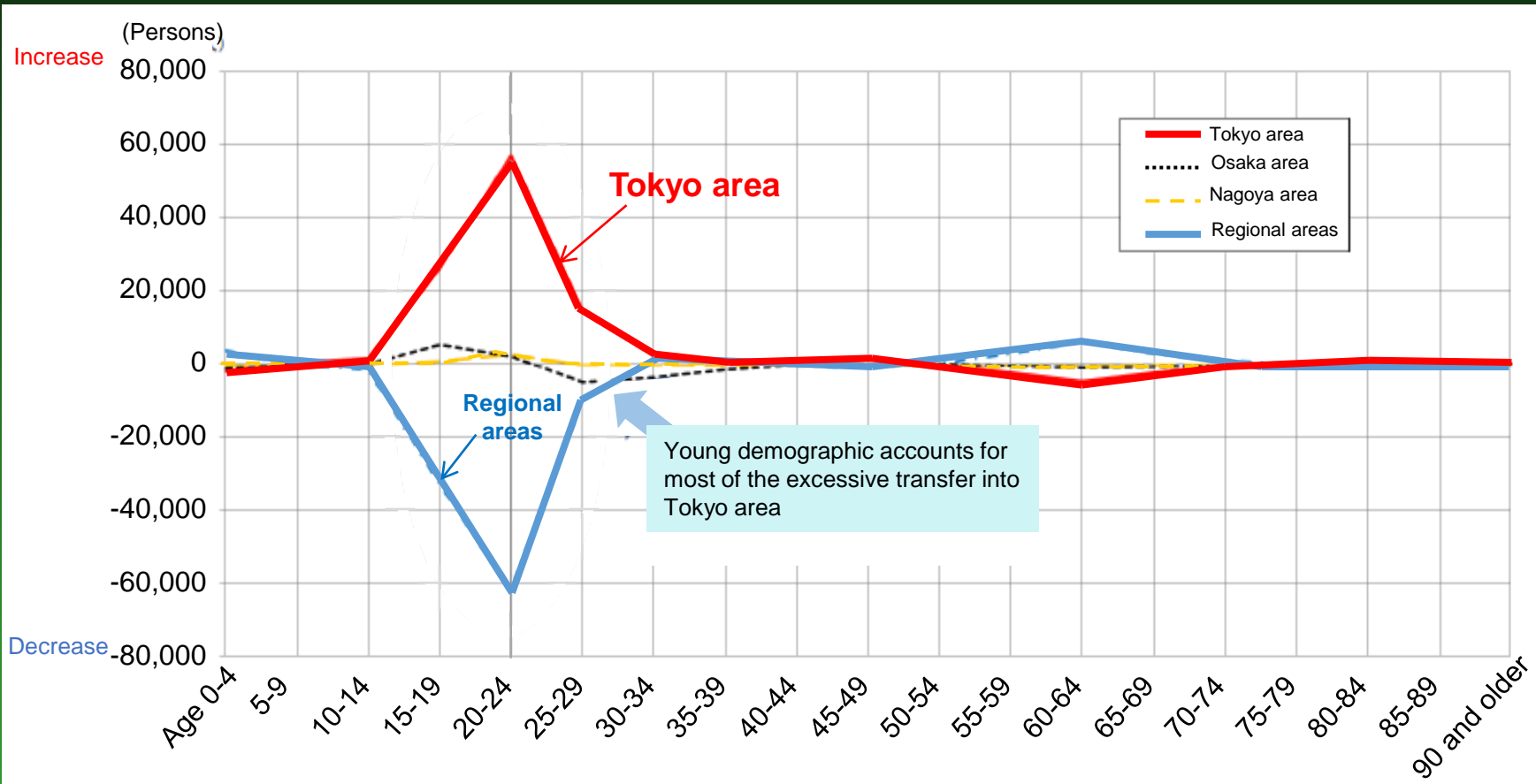
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Conservation



Issue in invigorating localities (1): Overconcentration in Tokyo

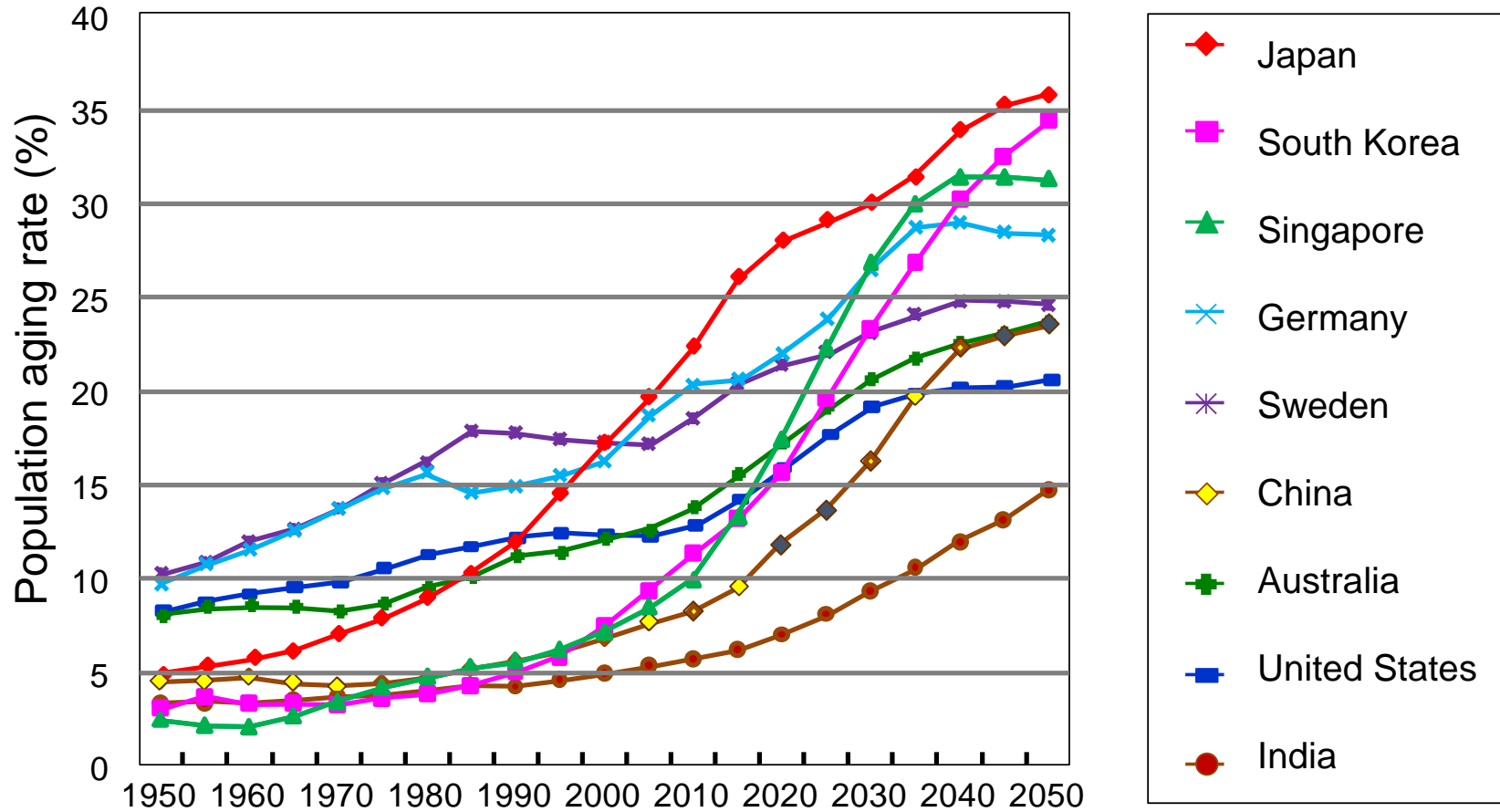


(Source)
Data prepared by the National Spatial Planning and Regional Policy Bureau of MLIT based on the "Report on internal migration in Japan derived from the basic resident registers" from MIC

⇒ An excessive number of people, mostly the young demographic, are moving into the Tokyo area and out of regional areas.

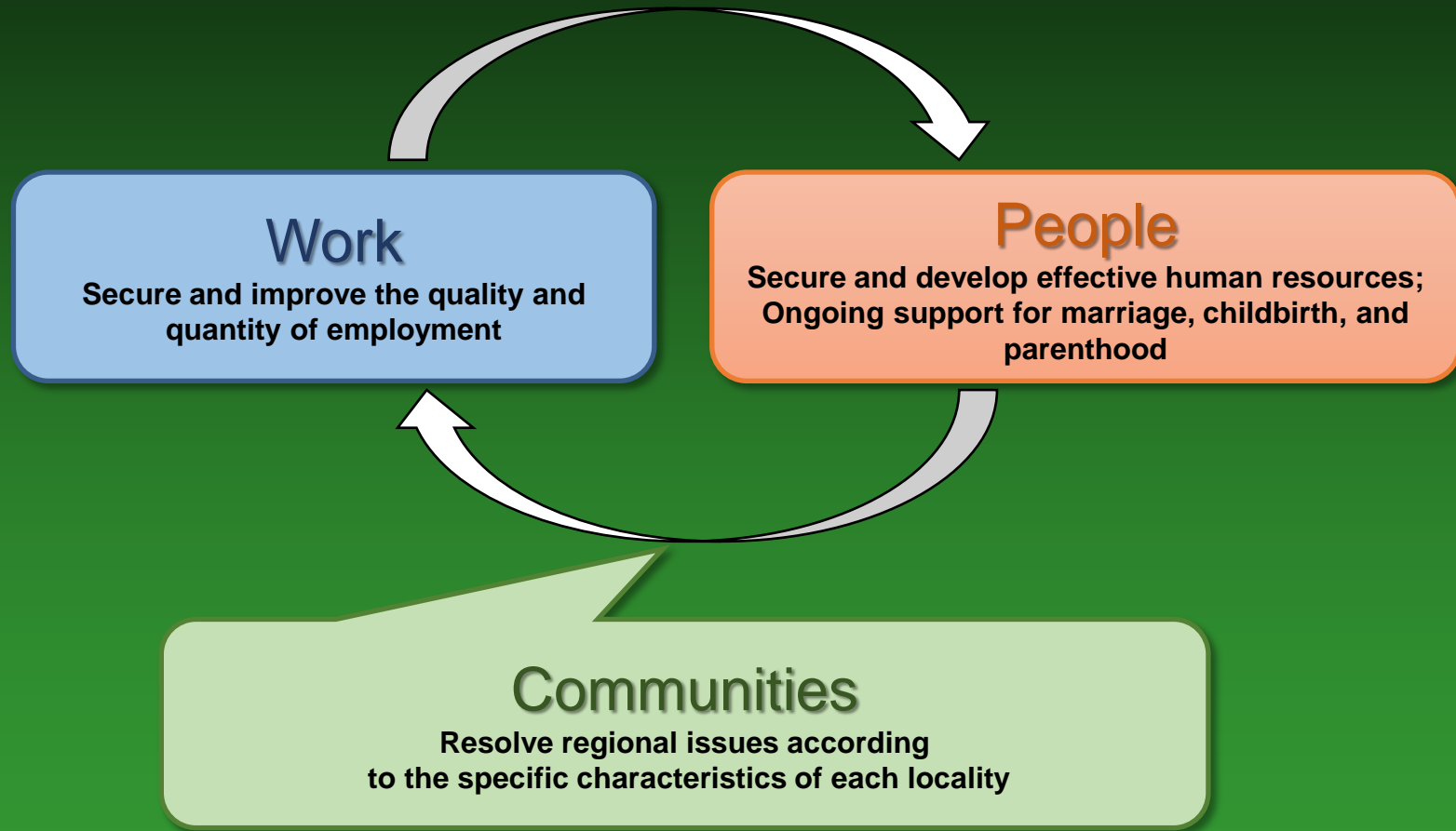


Issue in invigorating localities (2): Aging Society



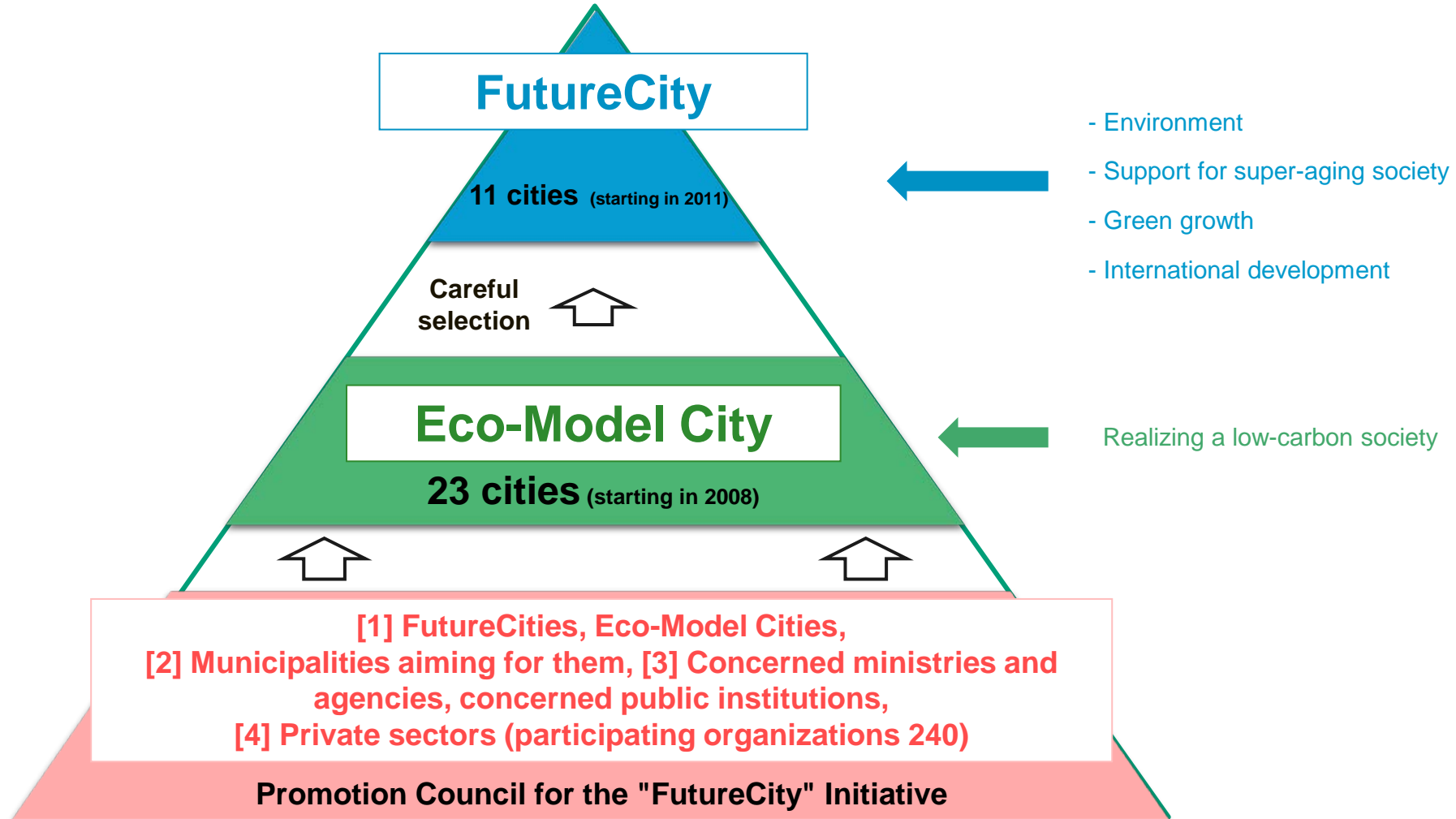


Aims of Overcoming Population Decline and Vitalizing Local Economy



⇒ Unique efforts in conformity with the characteristics of each region

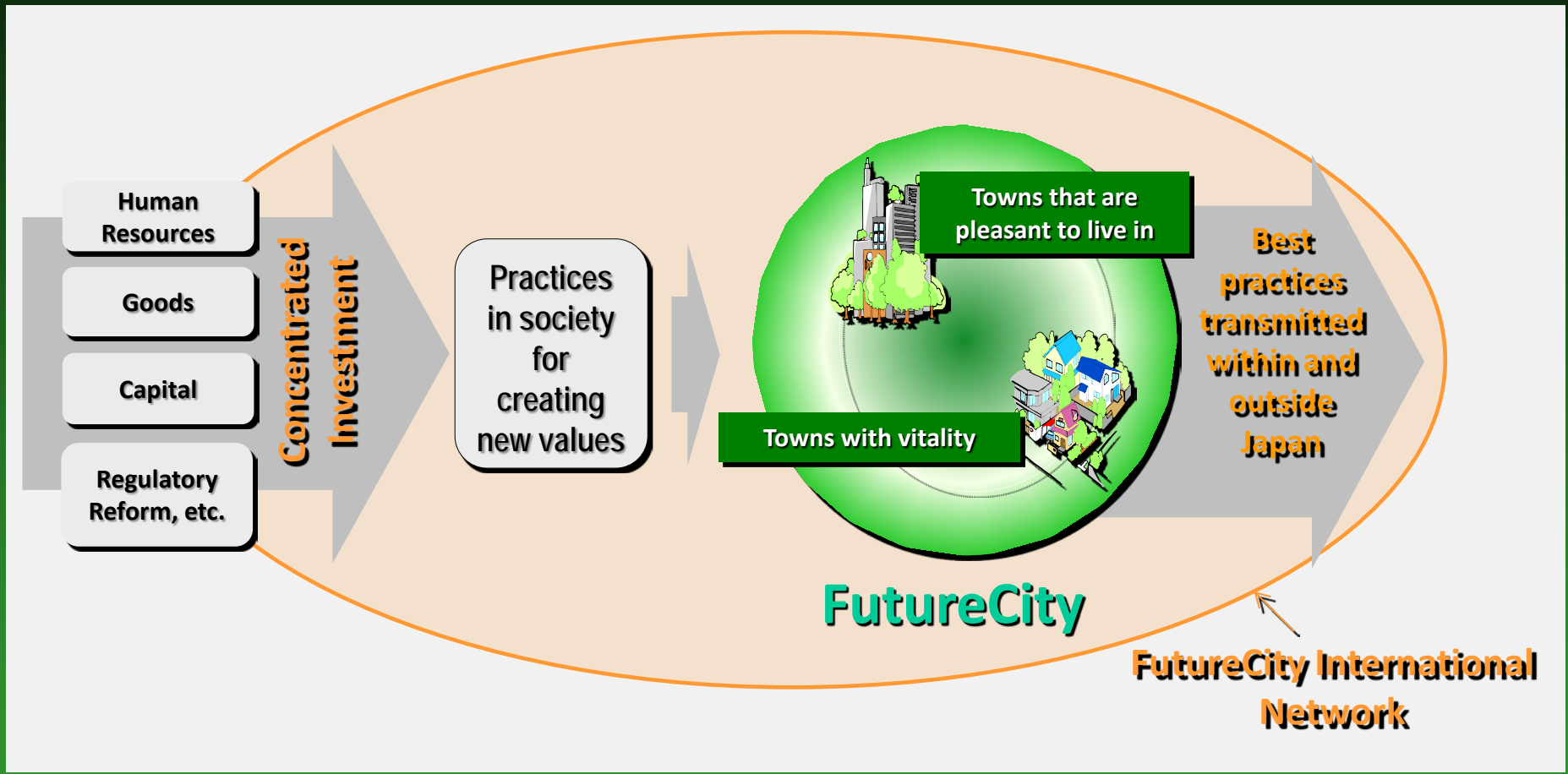
"FutureCity" Initiative



⇒ Promotion of the initiative through coordination among FutureCities, Eco-Model Cities, and Promotion Council



"FutureCity" Initiative Promotion Process:

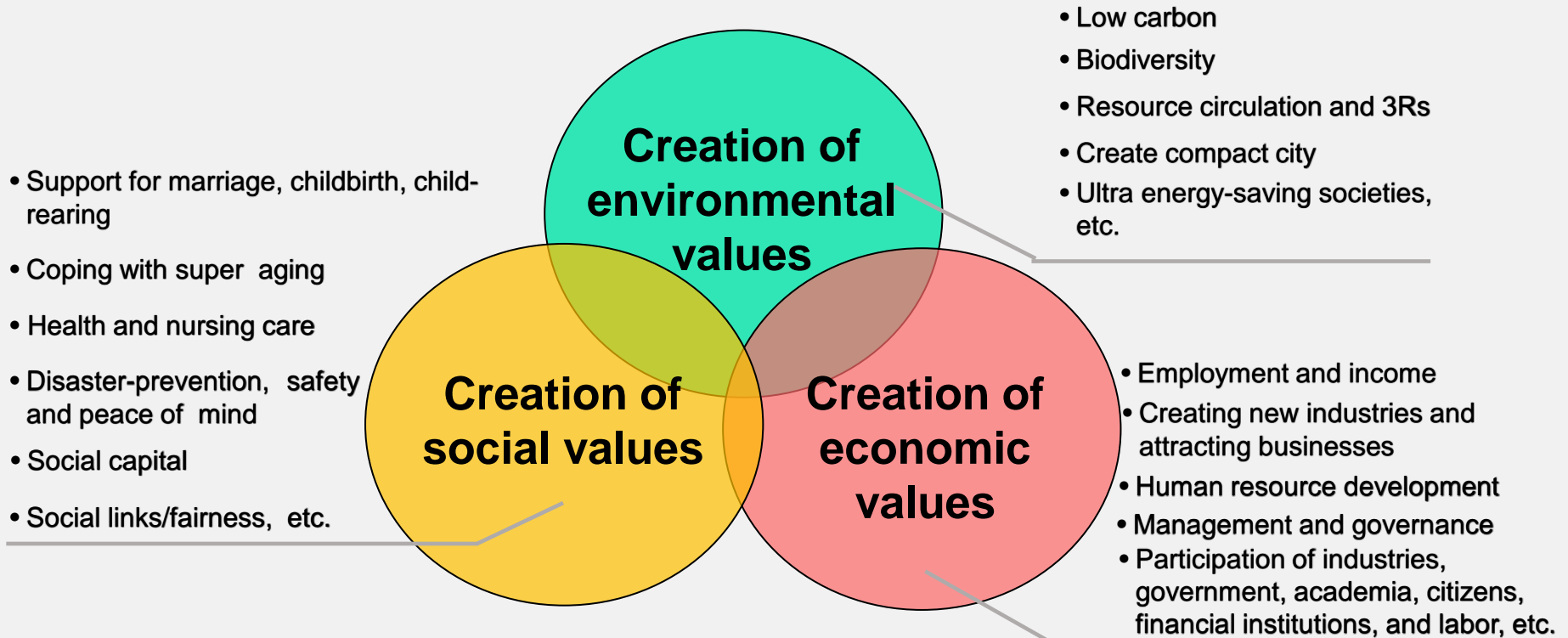


⇒ Realize regional vitalization through concentrated investment of human resources, goods, capital and deregulation.



Regional Vitalization Through Value Creation

⇒ Creation of environmental values; creation of social values; creation of economic values



⇒ As a foundation for job creation, migration promotion, and child-rearing support



How Can We Build in a Value-Creation Mechanism?

Triggering value creation through formation of self-sustaining virtuous cycle

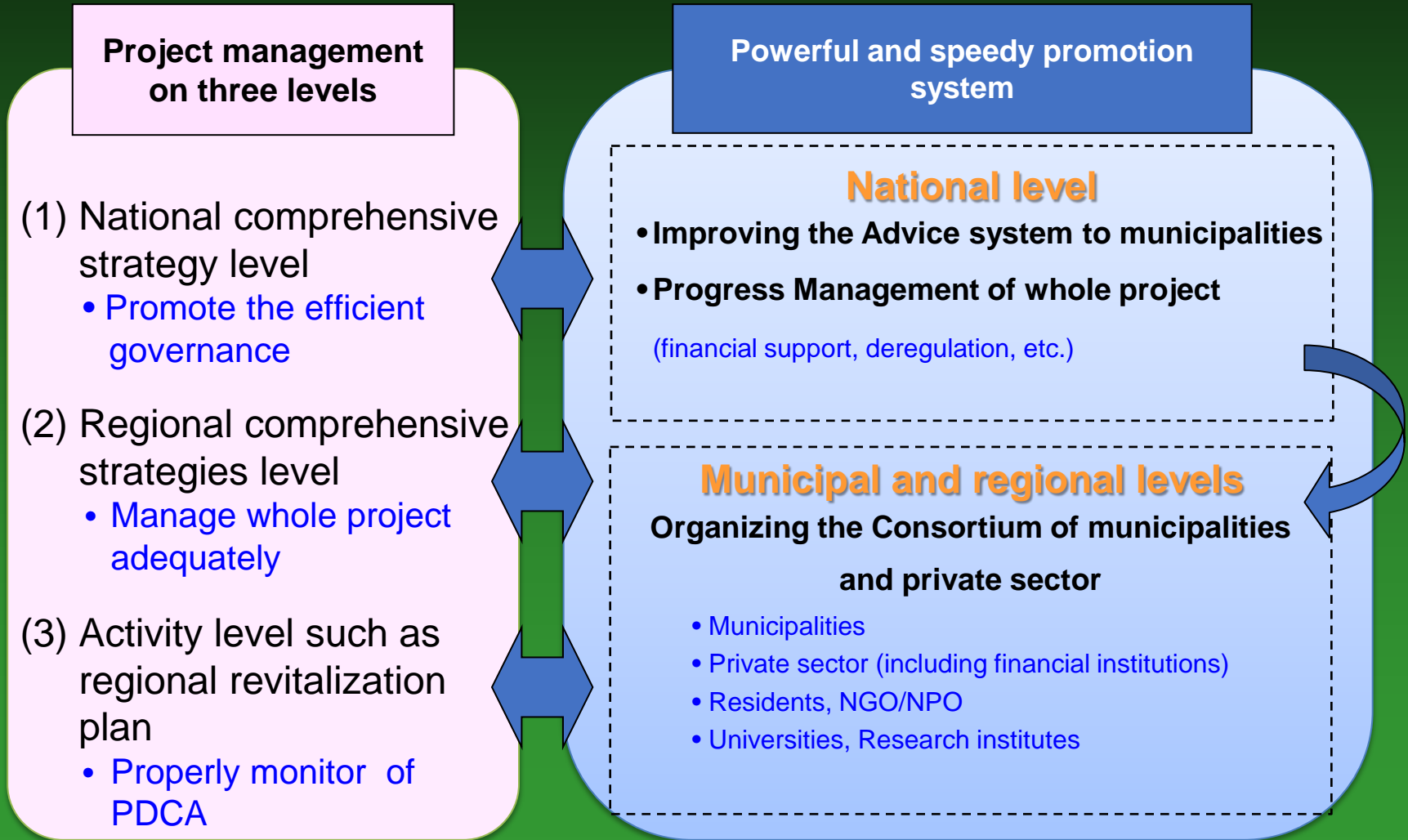
- ➔ If the government and private sector intensively input Human Resources, Goods, and Capital and deregulation takes place, information, services, businesses, etc. gather and merge, leading to creation of new values.
- ➔ If new values are created, more Human Resources, Goods, and Capital gather from inside and outside of the region.
- ➔ Self-sustaining virtuous cycle

Ripple Effects of Self-Sustaining Virtuous Cycle

- Trigger and promote social and economic system innovations
- Realize cities which everyone wants to live in and vital regions as a result
- Propose a new “image of vital region” as an engine for national development



National and Regional Project Management and Promotion Systems



Issues

1. Issues of invigorating localities in each city and country
2. “FutureCity” Initiative and Activation of regional towns and cities



Issues of invigorating localities in each city and country

1. Is a trend toward overconcentration in major cities and decline in the regions in countries overseas in the same way that we have in Tokyo and other regions in Japan?

⇒ What about Central government initiatives and local government initiatives in each country addressing these issues?

2. Viewpoint for Regional vitalization

⇒ (1) Job creation (2) Promoting immigration from outside of the region (3) Marriage, childbirth, and child care support (4) Downsizing and Improvement of administrative services (5) Organization of diverse stakeholders (6) Regional coordination, and the like

⇒ How to cause “activation that you think out of yourself”



“FutureCity” Initiative and Activation of regional towns and cities

1. The contribution of the “FutureCity” Initiative, in terms of invigorating localities

⇒ Expansion of the Concept and Successful cases of “FutureCity” initiative

2. Initiatives toward regional activation in each country

⇒ Similar projects to “FutureCity” initiative

⇒ Means of human resources, capital investment, and monetary investment

⇒ Human resource development of the top leaders and mid-level leaders

3. Management and governance in successful regional towns and cities

⇒ Partnership between Public and Private sector

⇒ Project manager roles

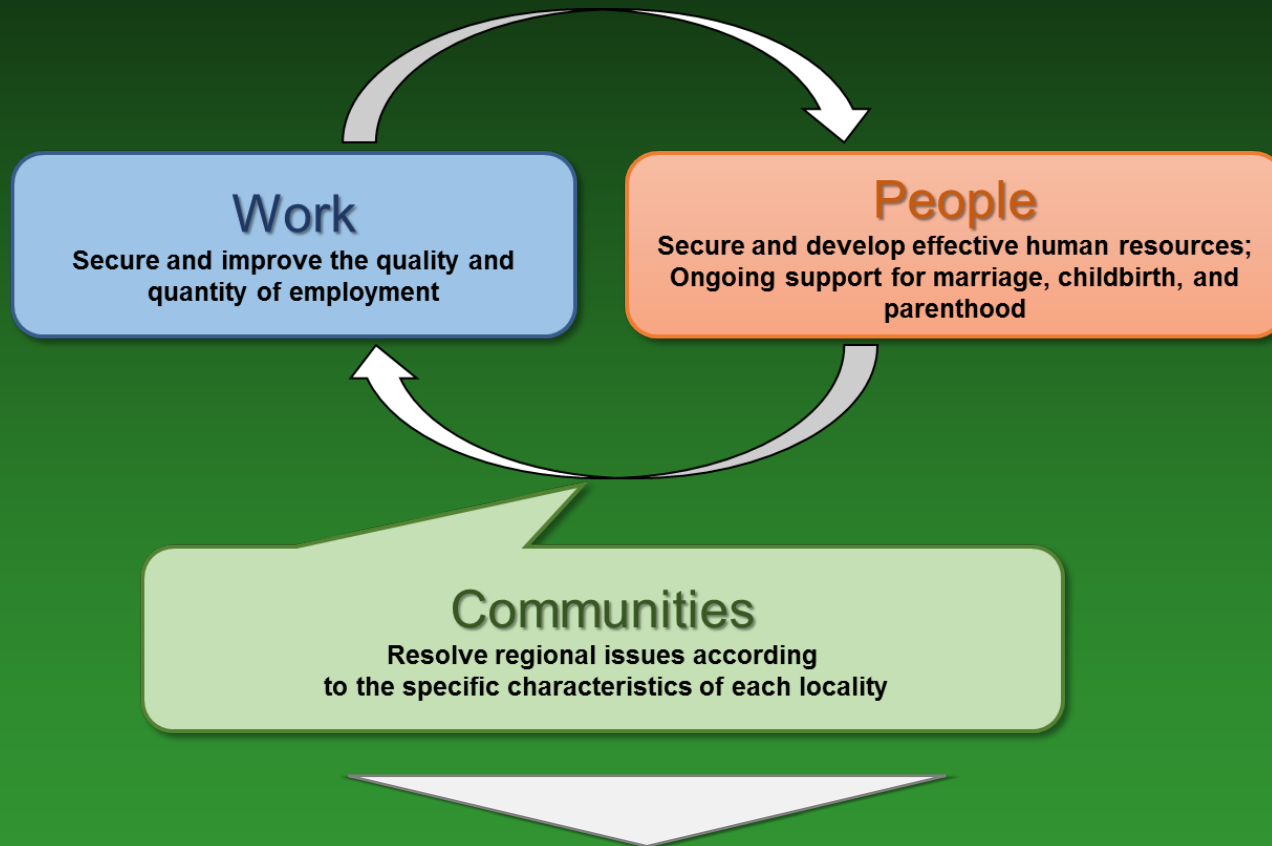
4. Mechanisms for distributing money and resources in the regions.

⇒ Private-sector initiated Value creation and Promotion of city management

⇒ For example, locally generated renewable energy system in the region



Aims of Overcoming Population Decline and Vitalizing Local Economy



- ⇒ Works attract people, invigorating communities.
- ⇒ If communities have no appeal, people and businesses will leave.



Poster Session

Excellent cases of FutureCities and Eco-Model Cities

Forest Future City Model

Surrounded by a rich forest environment, the city earns a good income from the forest, learns and plays in the forest, promotes physical and mental health, assures spiritually enriched life with the trees.

Issues faced by the traditional settlements

- Depopulation/aging
- ×
- Rising energy costs
- ×
- Decline of local industry

Various steps to be taken

- Transitioning towards group living
- ×
- Renewable energy
- ×
- Community businesses

Creating a new housing model

- Create housing that can respond to the super-aged population's needs
- ×
- Create an independent energy supply
- ×
- Revive the idea of group living settlements

“Ichi No Hashi” settlement in Shimokawa, a group living area for responding to the aging of the population, equipped with its own independent energy

◆ Modern, super-insulated terraced housing with well-sealed walls



◆ The community supplies 100% of the heat energy it needs through the use of woody biomass



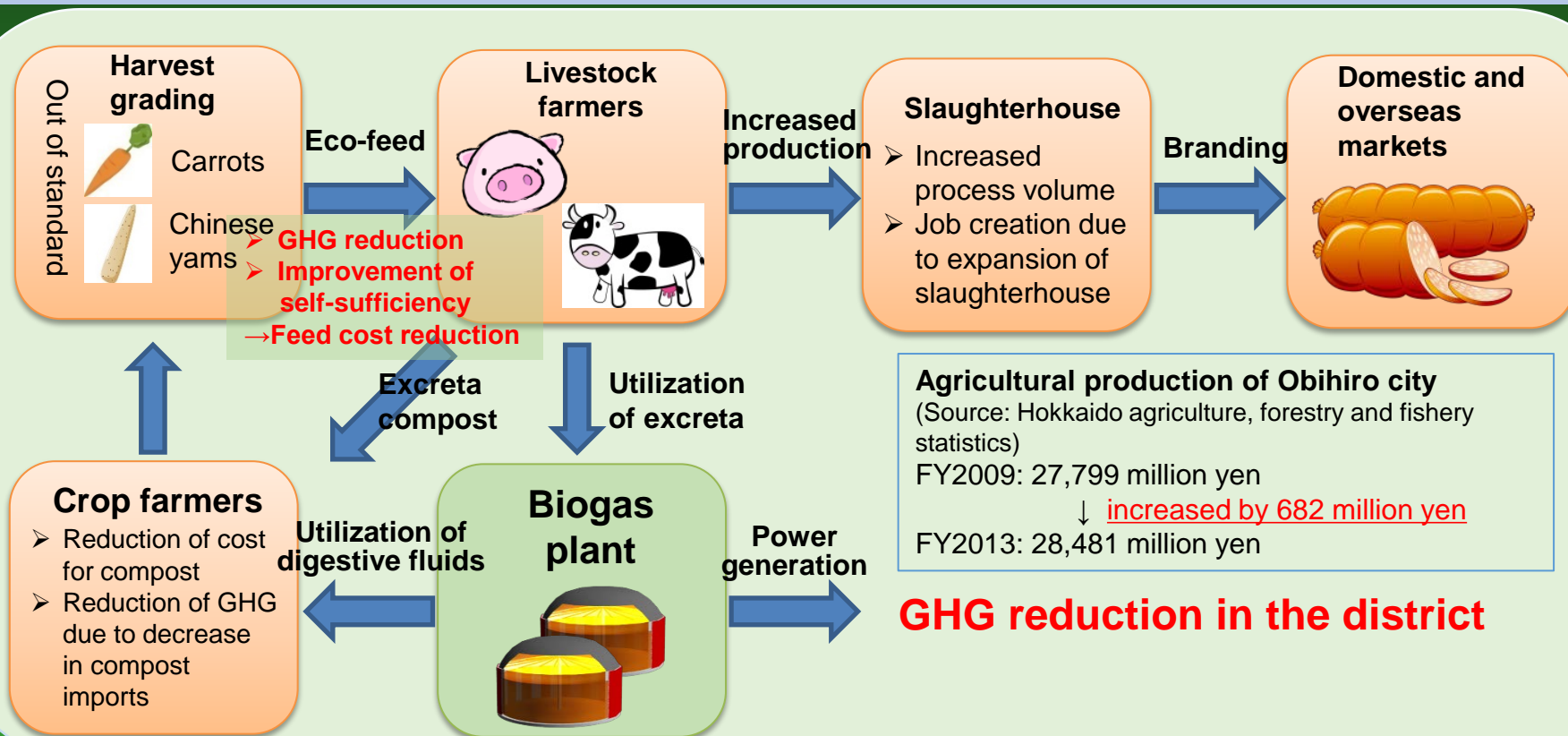
◆ Create neighborhood industries such as a community restaurant, greenhouse cultivation, and development of innovative specialty products



Utilization of agricultural biomass

With the promotion of Eco-feed from FY2009 to FY2013,
GHG emissions have been reduced by **57,518 tons**.

In accordance with the “settlement and independence area plan”* and
“Tokachi biomass industrial town plan” in cooperation with **18 towns and villages in the Tokachi district**.



Minamisoma Solar Agri-Park project

Solar power plant



- Fukushima Restoration Solar, Inc. has built and is operating the 500-kW-class photovoltaic power plant.
- Part of the generated power is supplied to the plant factory.
- Revenue from the sold power is used for growth support projects for children.

Dome-type plant factory



- The city has built a plant factory as a model for reviving agriculture.
- A local agricultural product company manages and operates the facility.
- Use electricity from the solar power plant to run irrigation pumps and air conditioning.

Hands-on learning facility



- Fukushima Restoration Solar/Agriculture Experience Exchange Association plans and produces a solar power plant hands-on learning program in collaboration with KidZania.
- Support children's growth through learning by experience in a solar power plant and plant factory.

Accumulation of exchanges and media coverage

Overcome the harmful rumors

Revive agriculture, industry and tourism

Restoration of Fukushima and Minamisoma

Job creation through industry revival

Value-added agriculture

Agri Support Center for Disabled People
Promotes employment in agriculture for disabled people



Agri Park
Agriculture experience for all elementary students



Welfare

Employment in agriculture for disabled people, etc.

Child rearing

Fostering parent-child relationships through agriculture experience, etc.

Education

Agriculture experience at the educational farm for all elementary students, etc.

Agriculture

Primary industry

Production

Secondary industry

Processing

Tertiary industry

Distribution/sales

Cultural exchange

Green tourism, agricultural experience opportunities, etc.

Energy

Environment

Full utilization of rural resources, environment protection, etc.

Health

Medical care

Preventive medicine and rehabilitation using local produce, etc.

Pellet boiler

Utilization of rural resource (biomass) into energy

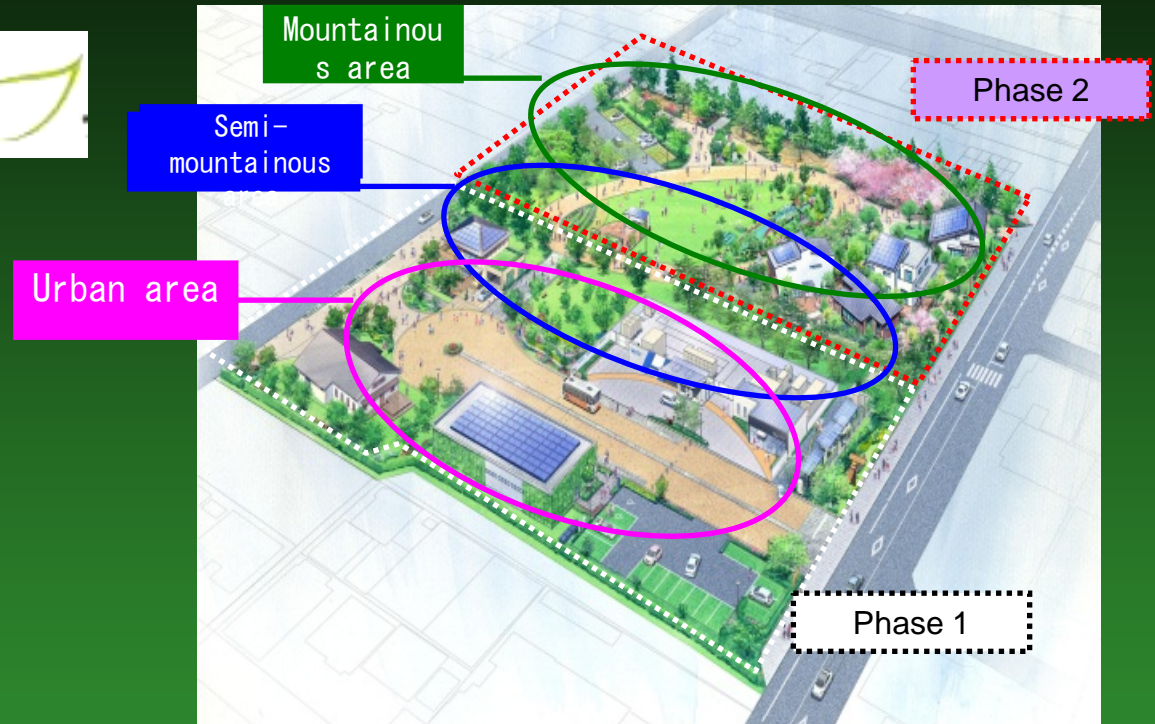


Ikutopia Shoku Hana

The source of numerous brands of foods and flowers



Roles of government, citizens, corporations and other organizations



Development of low-carbon transportation system



The ultra-compact EV-sharing system, "Ha:mo"

International conference cohosted by the United Nations and Toyota City



The High-Level Symposium on Sustainable Cities



Promoting local production for local consumption of renewable energy with tax reduction and various subsidy programs.

- ◇ Toyota City Eco-tax reduction
- ◇ Toyota City Eco-Family
- ◇ Subsidy Granting Eco-Point



Oguni Town (Eco-Model City) [Kumamoto]

Local development leveraging abundant
geothermal and **forests**



Waita Area Oguni Town

Low-carbon project



High-class timber market

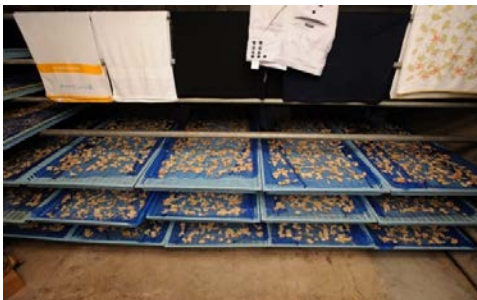
Agriculture

Forestry

Tourism

(Agriculture and forestry town plan leveraging geothermal and biomass)

Geothermal lumber drying facility



Geothermal lumber drying facility

Applying
this
method ...



Traditional geothermal drying cabin

Geothermal
hot-water supply



cabin

Geothermal heater



Geothermal kotatsu, a leg warmer