

# Promoting Circular Economy through Co-creation and Innovation

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JCCI International Seminar

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# IGES – A Leading Think-tank on Sustainability in Asia

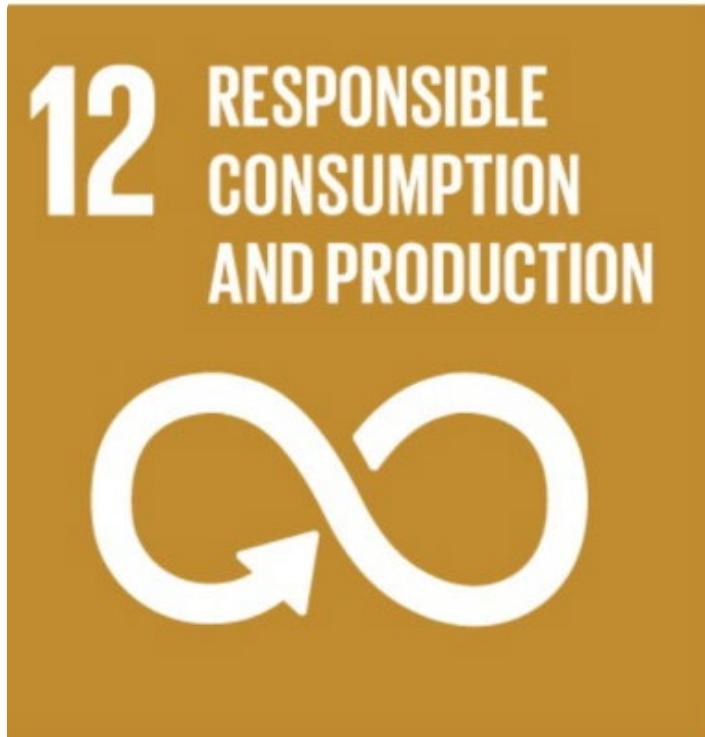
- **Institute for Global Environmental Strategies (IGES)** was established in March 1998 as a non-profit organisation under an initiative of the Japanese government and with the support of Kanagawa Prefecture.

- **Conducts** innovative and strategic policy research mainly targeting the Asia-Pacific region.
- **Operates** with competitive funding acquired from both domestic and international sources in addition to support from the Ministry of the Environment, Kanagawa Prefecture, Hyogo Prefecture and Kitakyushu City.



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## Ensure Sustainable Consumption and Production Patterns

- Includes:
  - Implement the 10-Year Sustainable Consumption and Production Framework
  - Sustainable management and use of natural resources
  - Halve global per capita food waste
  - Responsible management of chemicals and waste
  - Reduce waste generation
  - Encourage companies to adopt sustainable practices and sustainability reporting
  - Promote understanding of sustainable lifestyles
  - Support developing countries' capacity

# Emerging Perspectives on SDG12

## Circular Economy and Synergies

- Emphasis on business, service and economic development
- Innovative and synergetic solutions addressing multiple challenges

## Plastic Pollution

- Full lifecycle approach
- Demonstration of climate-circular-pollution integration and scaling

## Sustainable Lifestyles and Social Perspectives

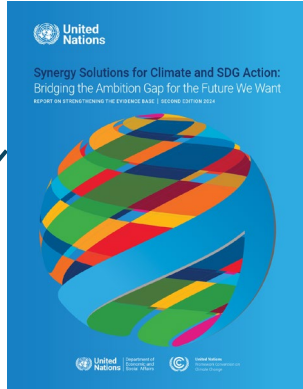
- Co-creation of sustainable lifestyles beyond awareness raising
- Inclusion of social perspectives and just transition

## Diverse stakeholder engagement

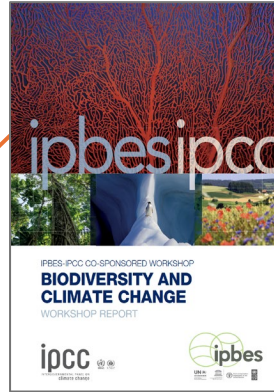
- Co-design, co-production and co-delivery with stakeholders

# Growing Evidence of Synergies

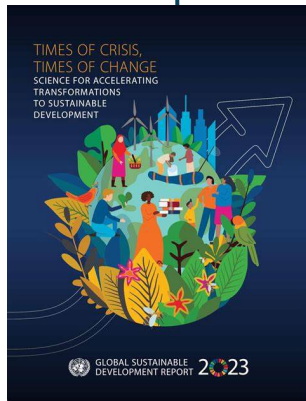
Global Report on Climate  
and SDG Synergies



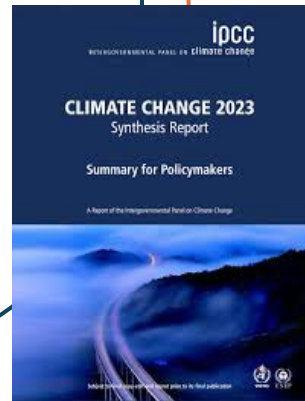
IPBES-IPCC co-sponsored  
workshop report



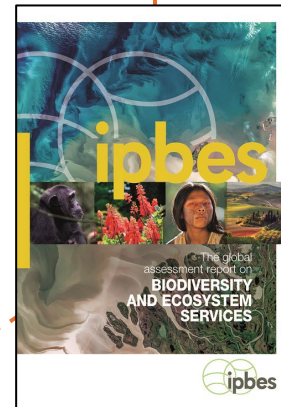
UNEA6 and 7 resolutions on  
synergies encourage countries to  
strengthen synergies to address the  
triple planetary crisis.



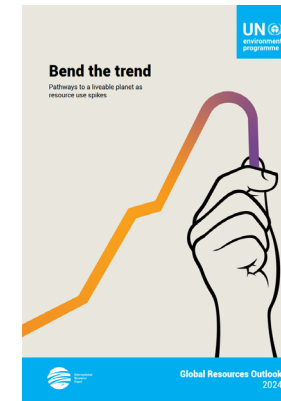
GSDR 2023



IPCC AR6 Synthesis Report



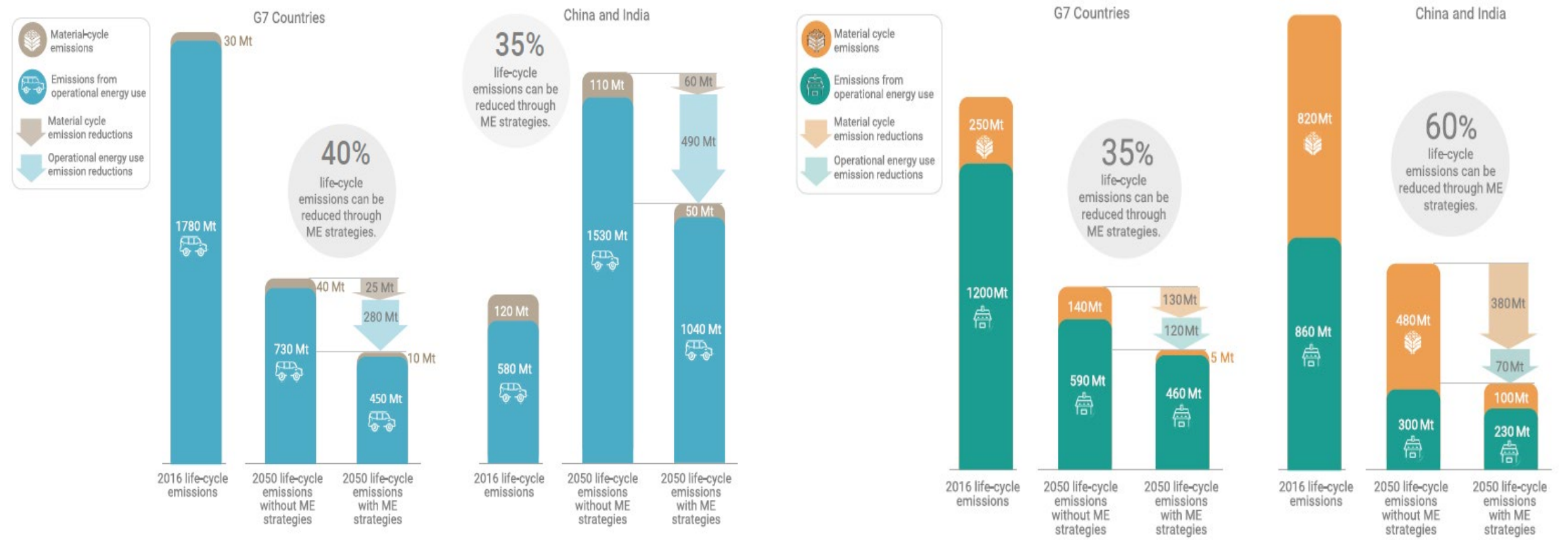
IPBES Global Assessment Report



Global Resources Outlook 2024

# Synergies between Circular Economy and Climate

UNEP IRP analysis indicates that enhanced material efficiency through the circular economy could contribute to an additional 40% reduction in CO2 emissions across the vehicle lifecycle in the G7, and an additional 35% reduction in India and China. In the residential sector, it is estimated to contribute to an additional 35% reduction in the G7 and an additional 60% reduction in India and China.



Source: UNEP (2020), RESOURCE EFFICIENCY AND CLIMATE CHANGE Material Efficiency Strategies for a Low-Carbon Future

# Examples of IGES Initiatives on Plastic Pollution

| Global level                                          | <ul style="list-style-type: none"> <li>• Contribute to international negotiation processes</li> <li>• Compile G20 Report on Actions Against Marine Plastic Litter</li> </ul>                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Regional level<br>(particularly<br>Southeast<br>Asia) | <ul style="list-style-type: none"> <li>• Collaborate with the Economic Research Institute for ASEAN and East Asia (ERIA) Regional Knowledge Centre for Marine Plastic Debris</li> <li>• Support ASEAN for establishing a knowledge platform and partnership for ASEAN's Regional Action Plan for Combatting Marine Debris</li> <li>• Support the publication of the OECD Regional Plastic Outlook, forecasting plastic pollution and policy responses through 2050 in ASEAN+3 in collaboration with the OECD and ERIA</li> </ul> |
| National level                                        | <ul style="list-style-type: none"> <li>• Support the development of National Action Plans (NAPs) on plastics and evidence-based policy development in Southeast Asian and South Asian countries</li> </ul>                                                                                                                                                                                                                                                                                                                       |
| Local level                                           | <ul style="list-style-type: none"> <li>• Support plastic waste measures and enhance data collection capacity in Asian cities</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                          |

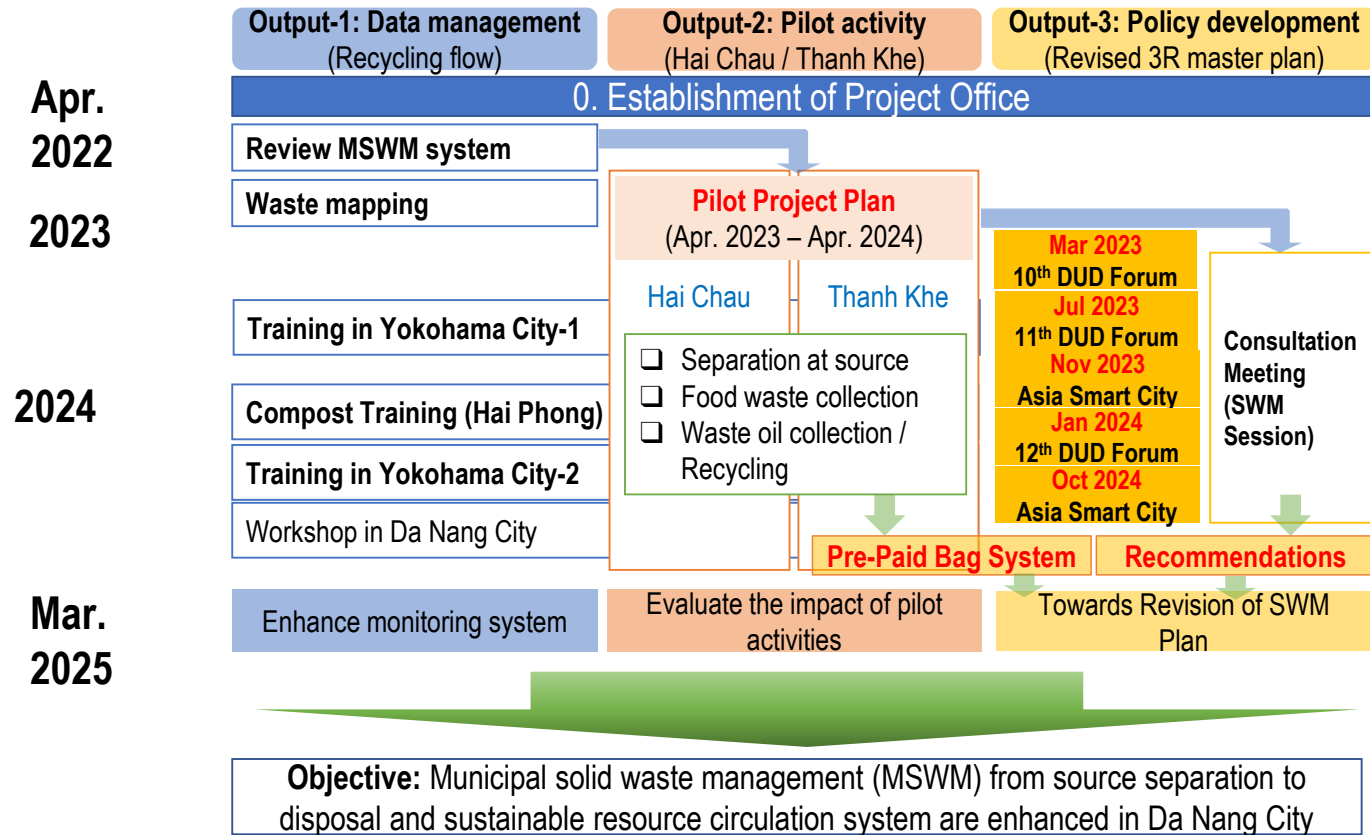




# Waste Sorting and Plastic Pollution Prevention

## JICA Partnership Project for Promoting Source Separation and Recycling in Da Nang City, Viet Nam

- Down-scaling national policy to local implementation
- Up-scaling local challenges and needs to national policy



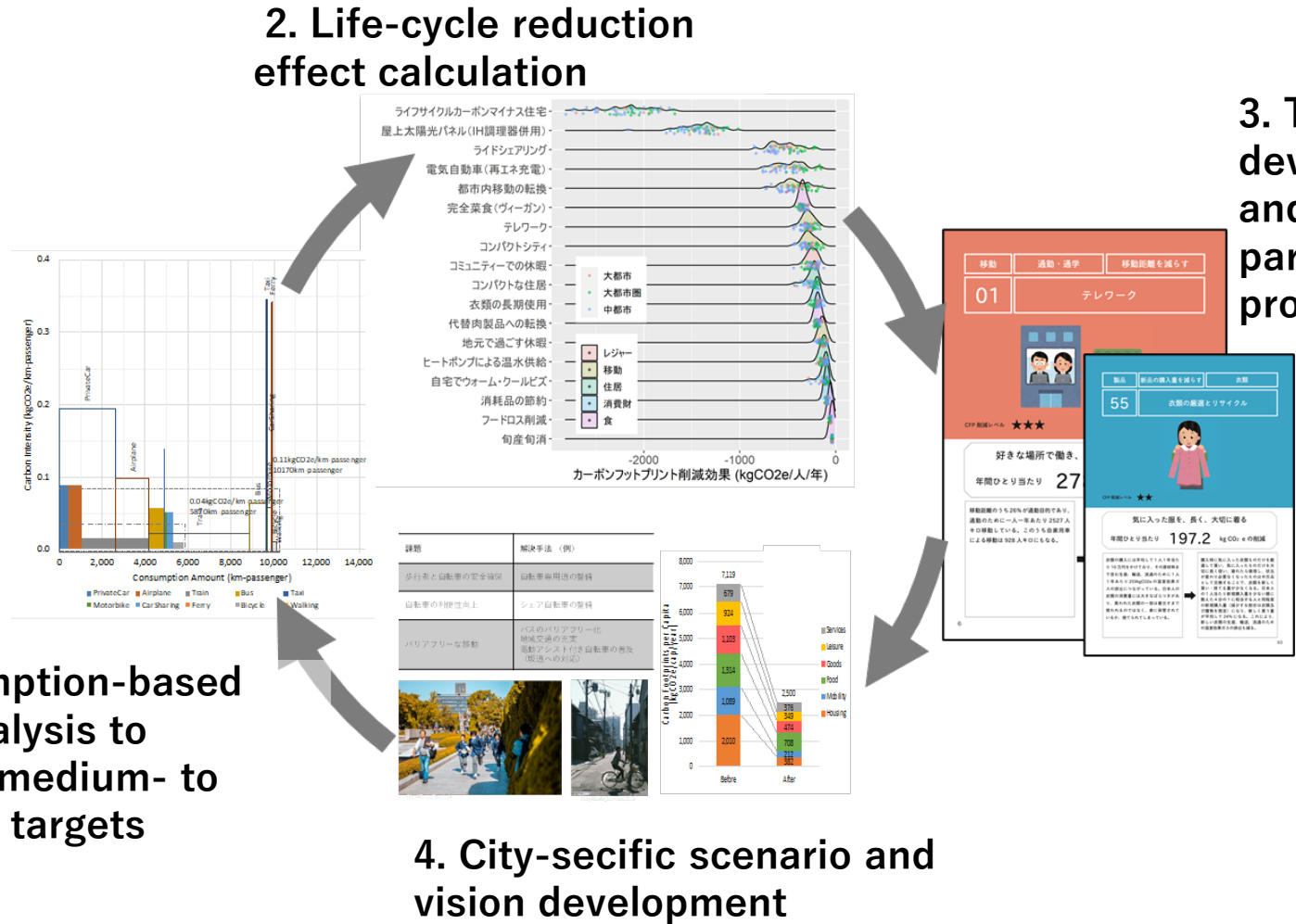


# Sustainable lifestyles and social perspectives

## Quantifying household-level targets for the 1.5 degree goal, and implementing social experiments

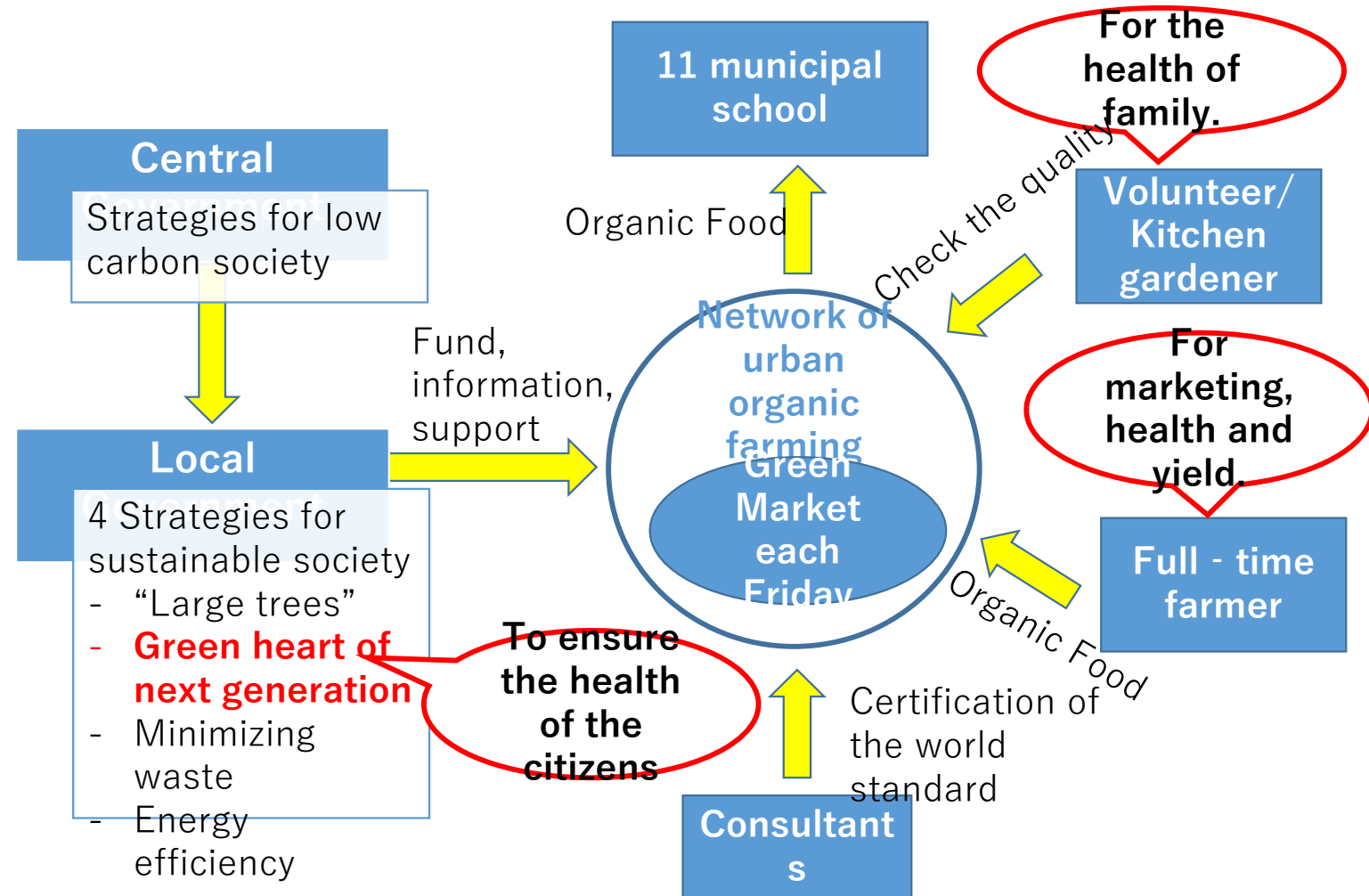
(IGES SCP Team and CE Team, National Institute for Environmental Studies)

### 1. Consumption-based status analysis to establish medium- to long-term targets



# Diverse Stakeholder Participation Model

- ❑ Identifying local challenges and community resources, mutual learning and support, consensus building
- ❑ Establishing indicators and monitoring and evaluation systems
- ❑ Establishing mechanisms for science-citizen interaction  
(IGES SCP Team)



# Suggested Approaches and Actions for JCCI

- Integrate a **circular economy** concept and **synergies** with climate, nature positive, pollution as well as socioeconomic solutions.
- Prioritize **plastic pollution** as emerging global challenges, and as an entry point for formulating an evidence-based circular economy policies.
- Incorporate “soft” components to **materialize sustainable lifestyles** enhancing people’s well-being.
- Ensure **collaborating with diverse stakeholders**, including cities and local communities, and take a co-creation approach.