



Deutsch-Japanisches Symposium
Städte und Kommunen auf dem Weg zu Net Zero
— — — — —
日独シンポジウム
都市と自治体による NET ZERO への道



Kyoto City's Challenge to Net-Zero by 2050

Aya NAGATA

Director of Energy Policy Department,
Global Environment Policy Office of Kyoto City

Features of Kyoto City



- Population: 1.46 million
- Characteristics of the City :
 - 75% of city's area are covered with forest
 - Academic City (10% of population are students), Religious City (many temples and shrines)



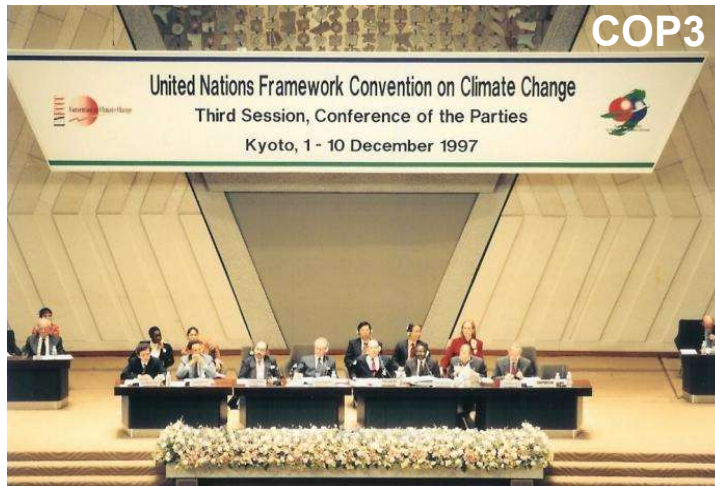
Germany and Kyoto City

- Sister cities with Köln since 1963
- Goethe-Institut in Kyoto was established in 1963 as the Kyoto Branch of the Goethe-Institut



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Key Milestones of Climate Change Countermeasures (Kyoto City)



1997

“Kyoto Protocol” was adopted in COP3



2004

Japan’s first “Kyoto City Ordinance of Global Warming Countermeasures” was established



2015

Paris Agreement was adopted in COP21
Revision of Kyoto City Climate Action Plan



Key Milestones of Climate Change Countermeasures (Kyoto City)



2019

“IPCC Kyoto Guideline” was adopted in the 49th session of IPCC

Declared to achieve “Net-Zero by 2050” ahead of other municipalities in Japan



2021

Became first Japanese member of PPCA

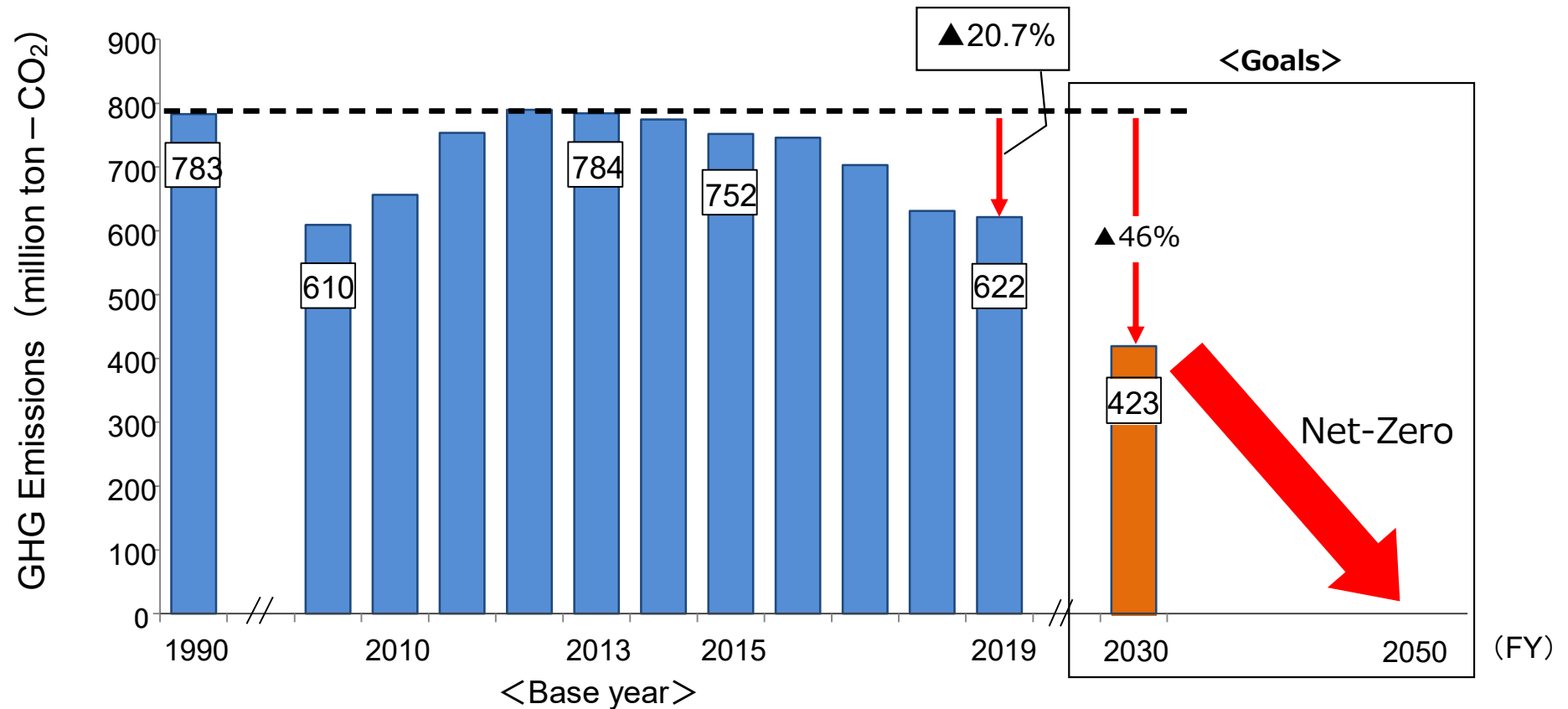


Working towards Net-Zero by 2050 !

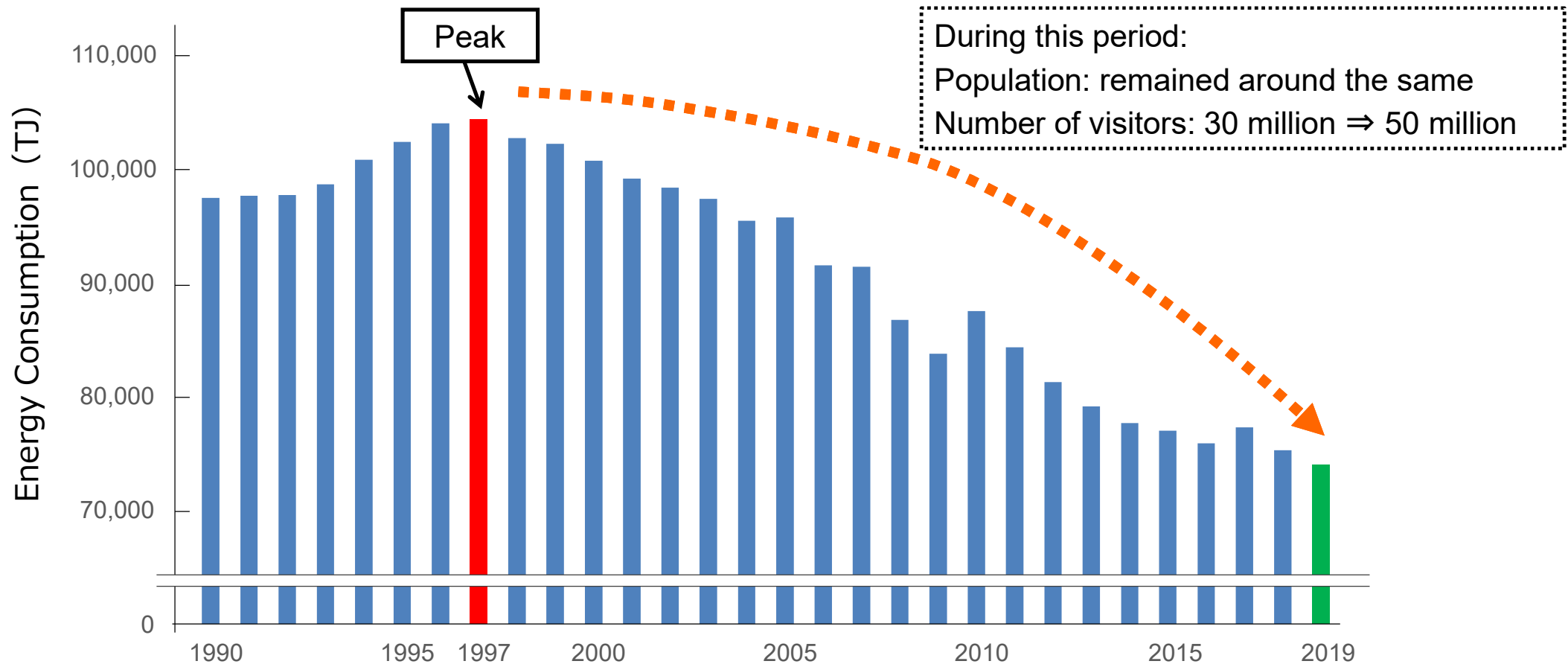


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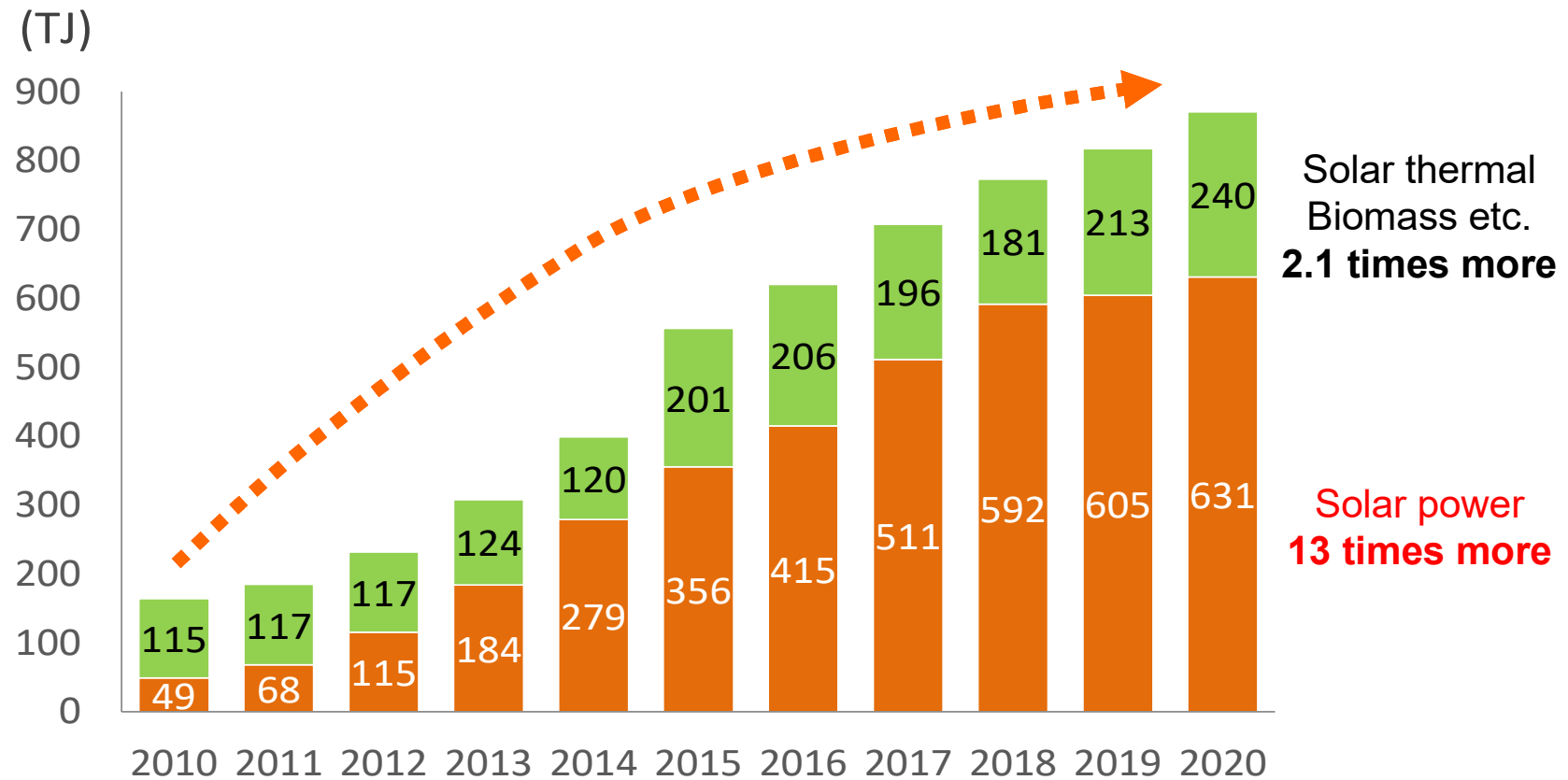
GHG Emissions: Decreased 20.7% from FY2013



Energy consumption: Decreased 29% from its peak (1997)



Solar power generation: Increased by 13 times from FY2010



Kyoto's International Network



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Kyoto City made the “CDP Cities 2021 A List”!

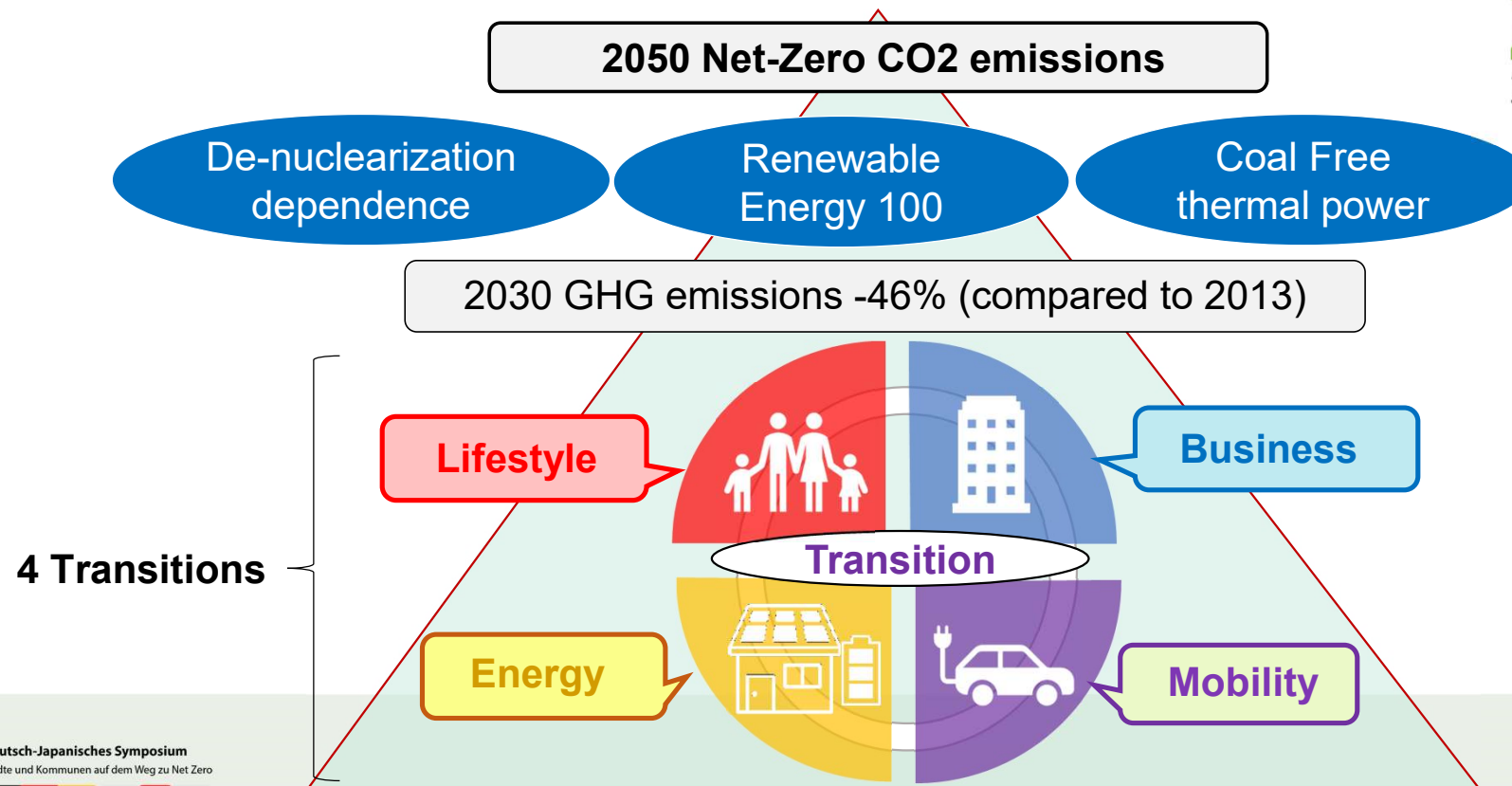
- CDP conducted survey of cities' measures to combat climate change
- Kyoto City made the 2021 A list as a first-time participant



Kyoto's commitment to Net-Zero by 2050

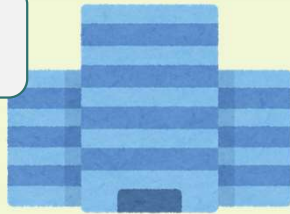
2020 Revised Kyoto Ordinance on Achieving Net-Zero by 2050

2021 Formulated Kyoto City Climate Action Plan<2021-2030>



Energy transition: Measures to promote renewable energy in new buildings and extensions by size

Large-scale buildings

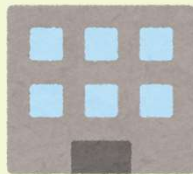


(more than 2,000m²)

Strengthen obligation to install renewable energy equipment according to the size of the building

Obligation

Medium-scale buildings



(300m²~2,000m²)

Added to obligate installment of renewable energy equipment

Small-scale buildings



(~300m²)

Boosting household penetration of renewable energy equipment through subsidy programs

Subsidize



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Energy Transition:

Measures to promote renewable energy in new buildings

Made explanations on the installment of renewable energy mandatory (2021~)

Architect



Client



(Representative of the person or organization
that ordered the building work)

Items to be explained include...

- Advantages of installing renewable energy equipment
- Maximum amount of renewable energy that can be installed, etc.



Energy Transition: Promoting RE conversion from the demand side

0-yen solar project

Project to introduce solar power generation equipment with zero initial cost



Group purchasing project

Project to achieve price reductions by bringing together prospective buyers of renewable energy equipment



EE-Den

System that allows easy group purchase of renewable electricity at a low cost



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Energy Transition: Renewable Energy Partnership Agreement

- Signed “Renewable Energy Partnership Agreement” with Aizu Wakamatsu City (Fukushima Prefecture) to meet our city's demand for renewable energy
- **Strengthen the supply system for renewable electricity through regional cooperation**



Signing ceremony by both mayors



Kyoto City

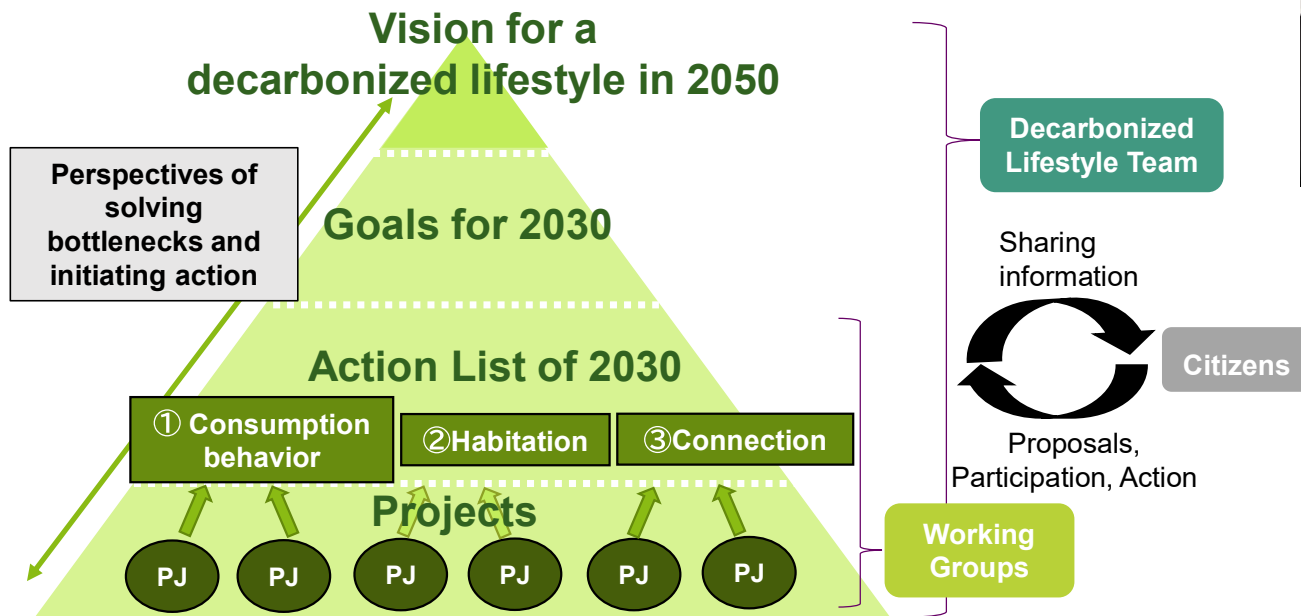
Aizu Wakamatsu City



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Lifestyle Transition: Forming “Kyoto Decarbonized Lifestyle Team”

- Consists of citizens, businesses, academics, etc.
- The goal is to spread the movement of practicing a new lifestyle in the city





DO YOU KYOTO ?

||

*Are you doing something good
for the environment?*



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Thank you for listening!