

Tokorozawa Climate Assembly

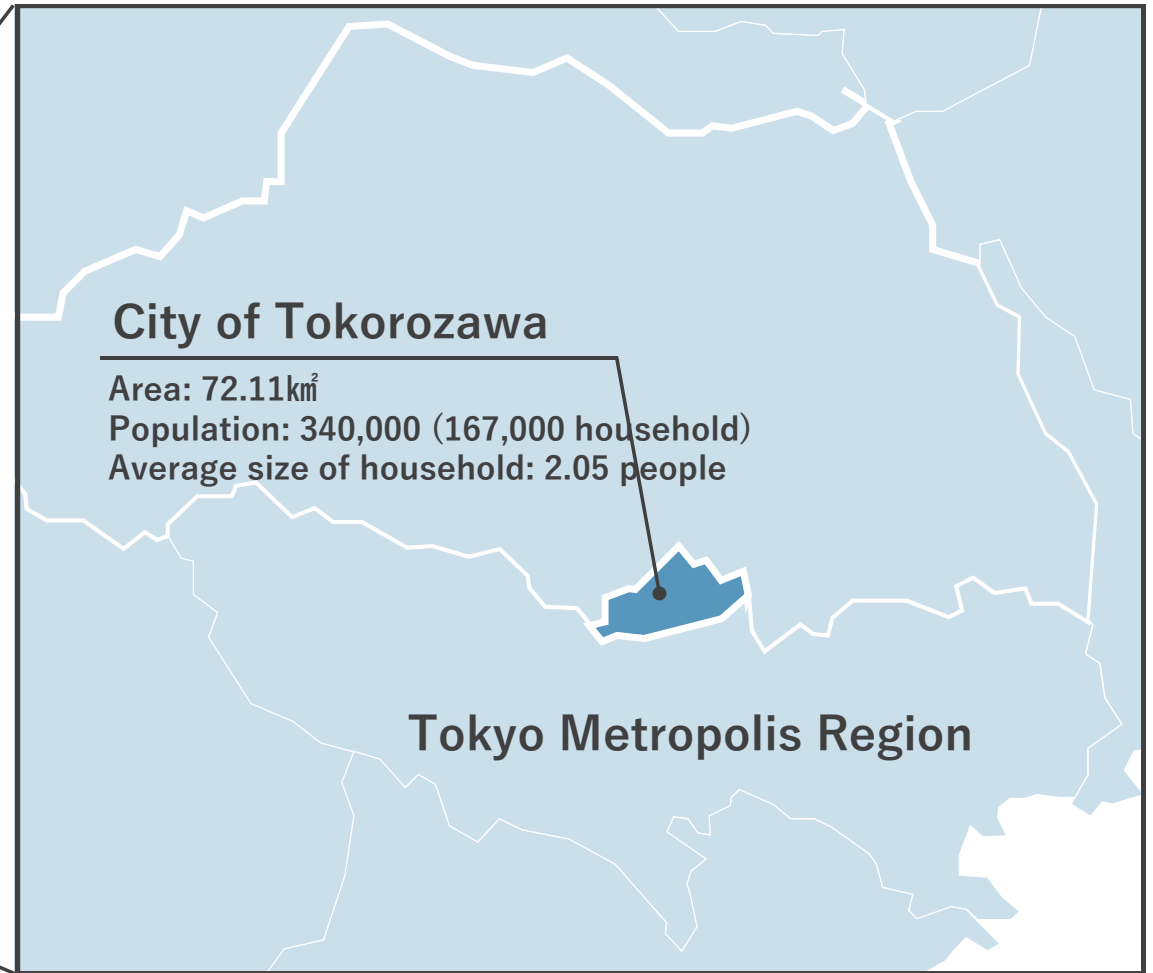
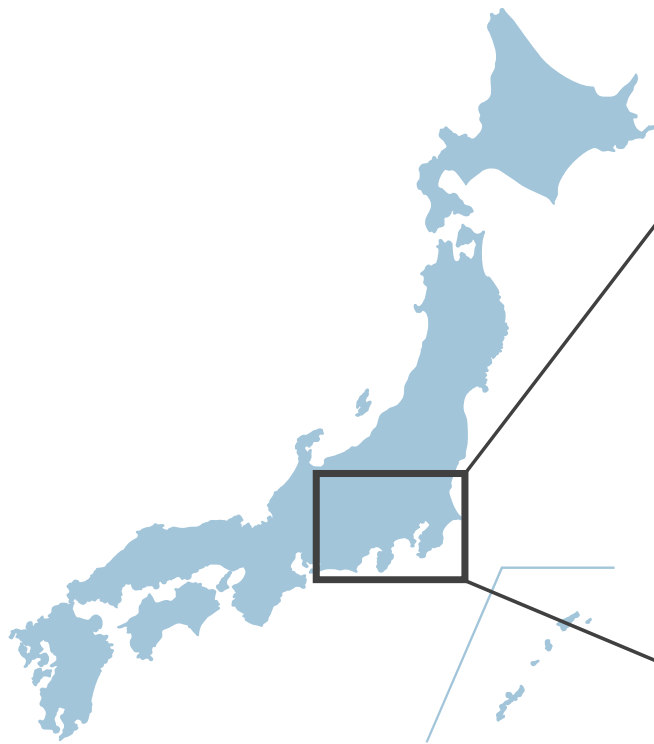
City-wide Zero Carbon Citizen Assembly



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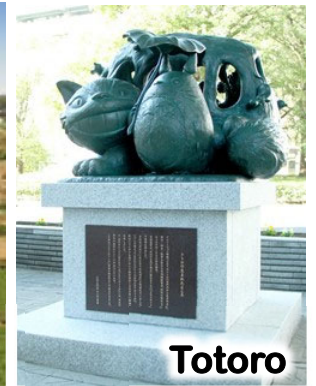
The translation of these slides is a provisional one by the Secretariat. It has been checked against the original text, but it is recommended to refer to the original text for a correct understanding.

Overview of Tokorozawa City



Overview of Tokorozawa

- Population: 340,000 in about 160,000 households
- Area: 72.11 km²
- Features: Balance of rich nature and city



Objective of Citizen Assembly

To have each participant see the global warming issue as a personal concern and engage in discussions to share awareness of the issue, and to connect the outcomes of the meetings to the revision of the city's basic environment plan (global warming countermeasures action plan) and to concrete measures.

Implementation Framework

Sponsor: City of Tokorozawa

Cooperation: Waseda University

Contracted service provider (operation/support): Institute for Dialogue of Environmental Policy (IDEP)

- The city's sponsorship allows for commitment to participants to reflect results on plans and measures
- Utilize the academic knowledge of Waseda University
- Utilize the knowledge and experience of IDEP

Lottery for Participants



Sent invitations to 4,500 randomly selected residents

111 willing participants

51 participants finalized

Adjusted by district of residence, age, and gender to create a microcosm of the city

Composition of 51 Participants

Table 2-1 Composition by age

Age 年齢	No. of people 人数	Ratio 割合	City-wide ratio
19以下	11人	21.6%	18.1%
20-29	7人	13.7%	12.1%
30-39	9人	17.6%	13.2%
40-49	7人	13.7%	17.1%
50-59	9人	17.6%	17.0%
60以上	8人	15.7%	23.0%
合計	51人	100.0%	100.4%

Table 2-2 Gender

性別	No. of people 人数	Ratio 割合	City-wide ratio
男性 Male	27	52.9%	49.4%
女性 Female	24	47.1%	50.6%
合計	51	100.0%	100.0%

Table 2-3 District of residence

	No. of people 人数	Ratio 割合	City-wide ratio
東	16	31.4%	31.7%
西	20	39.2%	34.7%
中央	15	29.4%	33.6%
合計	51	100.0%	100.0%

East
West
Central

Adjust by district of residence, age, and gender to create a microcosm of the city

Progression of Assembly

1st Session
21 Aug.

- Orientation
- Participant networking
- About global warming

2nd Session
25 Sept.

Group Work
Topic 1
Topic 2

3rd Session
23 Oct.

Group Work
Topic 3
Topic 4

4th Session
27 Nov.

Group Work
Topic 5
Topic 6

Voting

5th Session
18 Dec.

- Creation of future vision
- Sharing results of voting

Determine
discussion
topics for next
sessions

Schedule and Content of Assembly

	Date	Content
1 st Session	21 Aug. (Sun) 2022	<ul style="list-style-type: none"> • Orientation and decide on topics for subsequent sessions • Presentation of issue: “state of global warming and the need for decarbonization”, other • Group work “Actions to take in our daily lives”
2 nd Session	25 Sept. (Sun)	<ul style="list-style-type: none"> • Topic 1: “Zero carbon and product selection” • Topic 2: “Zero carbon and food & agriculture”
3 rd Session	23 Oct. (Sun)	<ul style="list-style-type: none"> • Topic 3: “Zero carbon and energy” • Topic 4: “Zero carbon and housing”
4 th Session	27 Nov. (Sun)	<ul style="list-style-type: none"> • Topic 5: “Zero carbon and mobility” • Topic 6: “Zero carbon and community partnerships”
5 th Session	18 Dec. (Sun)	<ul style="list-style-type: none"> • Presentation of issue: “Using our satoyama” • Group work: “Future Vision of Tokorozawa”, “Organize Action Ideas”, etc.

Progression of Group Work

Information Provision

Experts

Local
practitioners

Tokorozawa
City



Group Work

① Ideas for initiatives to realize zero carbon

② Challenges for implementation

③ Solutions to challenges

Rules for Group Work

- ▶ Do not interrupt or negate others statements
- ▶ Keep statements brief and concise
- ▶ Nod heads when listening
- ▶ Clap after presentations
- ▶ Be mindful: “dialogue” not “debate”

It's not about winning or losing an argument, leading discussion towards a certain conclusion, or disallowing dissent. Instead, it's about fostering mutual respect in equal human relationships and letting new perspectives and ideas emerge through repeated back-and-forth discussion.

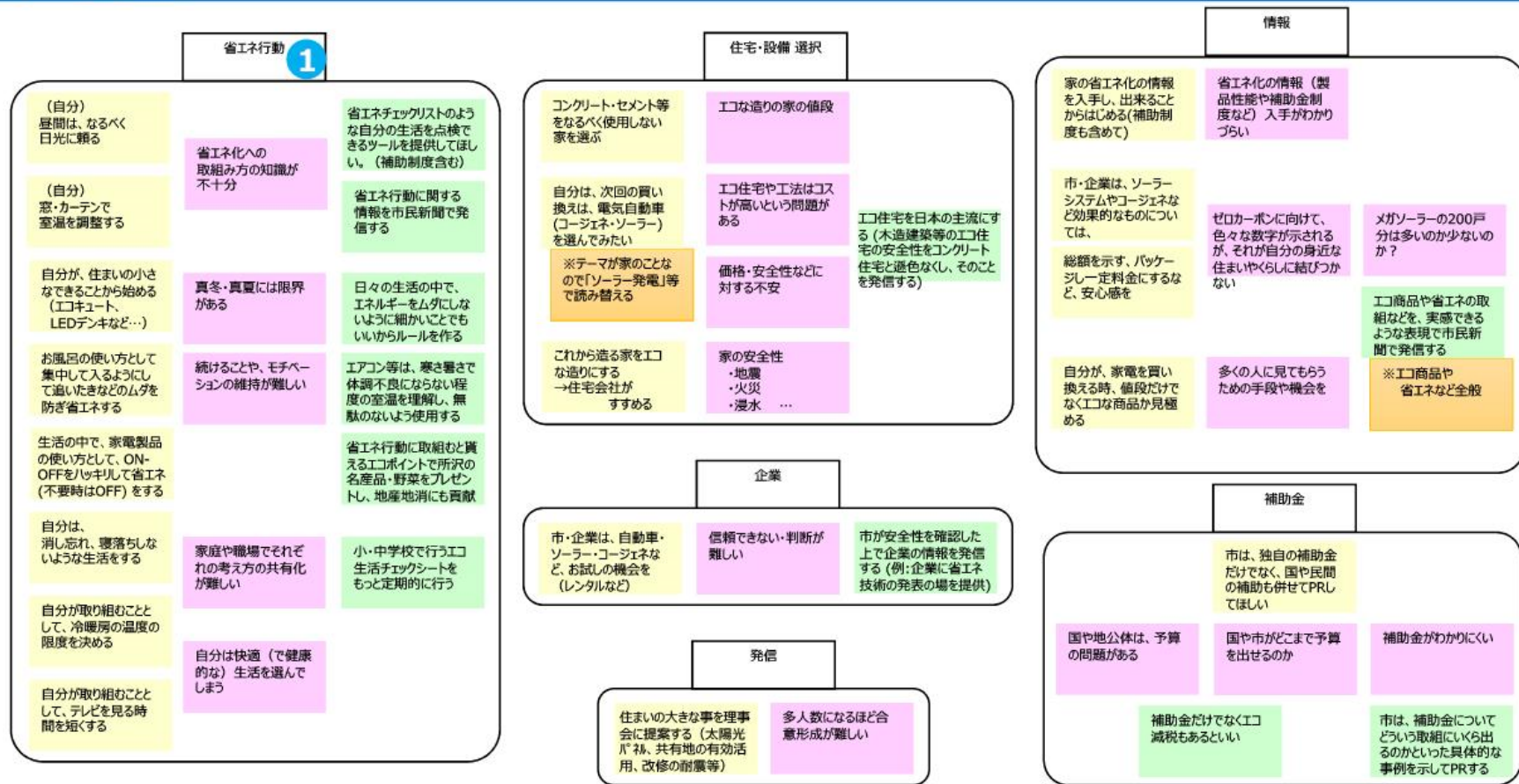
Scene from Group Work



Results of Group Work (digitalized)

Sample

City-wide Zero Carbon Citizen Assembly (3rd Session) Group 6
Topic: Zero carbon and housing



Categorized 28 measures under 6 topics

Topic 1: “Zero carbon and product selection”

Measure 1. Promote reduction in plastic containers and packaging and single-use plastics

Measure 2. Promote reuse and recycling

Measure 3. Promote product selection considering carbon footprint

Measure 4. Enhance financial incentives (motivation) for promoting zero carbon

Measure 5. Introduce the Tokorozawa Zero Carbon Certification (tentative name) and provide certification labels to proactive stores

Topic 2: “Zero carbon and food & agriculture”

Measure 6. Promote local production for local consumption of agricultural produce and seasonal production for seasonal consumption

Measure 7. Reduce food loss

Measure 8. Utilize waste as fertilizer

Measure 9. Promote initiatives to increase understanding on food and agriculture

Topic 3: “Zero carbon and energy”

Measure 10. Promote solar power for homes

Measure 11. Promote installation of renewable energy facilities in community

Measure 12. Promote switch to renewable and efficient electric power (renewable energy)

Measure 13. Promote citizen activities related to energy

Measure 14. Efforts to expand use of Tokorozawa Future Electric Power

Topic 4: “Zero carbon and housing”

Measure 15. Promote energy-saving equipment and facilities

Measure 16. Promote energy-saving lifestyles at home

Measure 17. Increase green spaces in the city

Topic 5: “Zero carbon and mobility”

Measure 18. Promote mobility by bicycle and walking

Measure 19. Promote use of bus service

Measure 20. Town planning to make it easy not to use personal automobiles

Measure 21. Promote eco-cars and eco-driving

Measure 22. Reduce and optimize shipping

Measure 23. Road improvements for safer bicycle riding and walking

Topic 6: “Zero carbon and community partnerships”

Measure 24. Local partnership for community building

Measure 25. Promote partnerships through education

Measure 26. Conduct PR for zero-carbon initiatives and activities through community partnerships

Measure 27. Promote initiatives in the community

Measure 28. Create a framework to promote city-wide zero carbon

Voting on 28 measures in questionnaire format

Sample

Circle the response for each question that best describes your ideas.

Topic 1: “Zero carbon and product selection”

1. Promote reduction in plastic containers and packaging and single-use plastics

When shopping, choose products with no plastic containers or packaging or those with less. In addition to using a personal water bottle, make efforts in daily life to not use plastic shopping bags. Create a community-wide system for repeated use of containers by businesses.

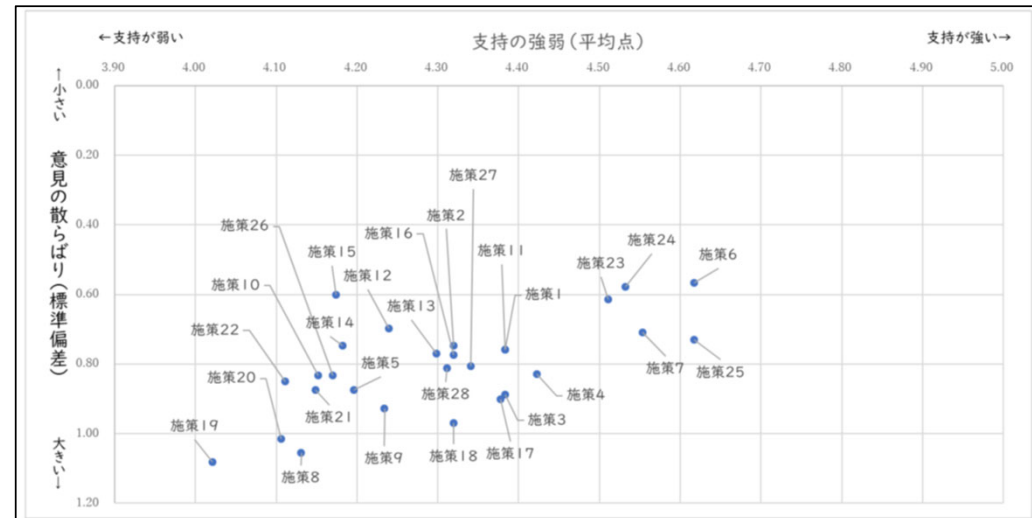
Keywords: selling by weight and unpackaged, choosing refillable products, purchasing bulk products, using personal chopsticks/shopping bags

Issues: hygiene concerns, (cost issues)

① Definitely should not be promoted, ② Should not be promoted, ③ Neither, ④ Should be promoted, ⑤ Should be actively promoted, ⑥ Do not know

Please add any opinions or comments here:

Aggregating and mapping to visualize voting results



【Horizontal axis: average score】

To assign weight to the level of support in the voting results, the following points were allocated to each response option from ① to ⑤, multiplied by the number of responses for each choice. The sum of these values was divided by the total number of responses (excluding '⑥ Do not know') to obtain the average score.

The higher this value, the higher the overall level of support for the measure (maximum value: 5.00).

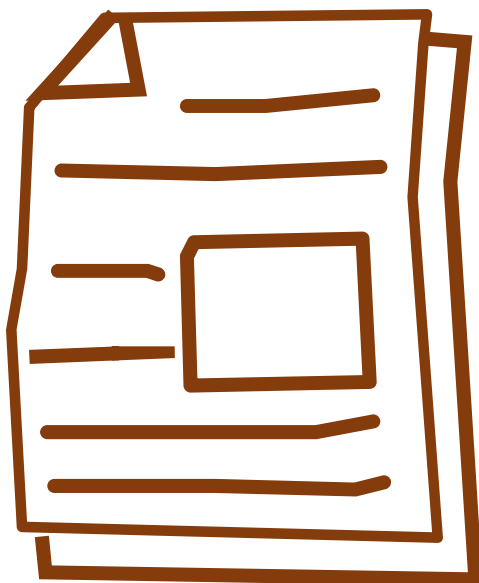
[Points: ① Definitely should not be promoted = 1, ② Should not be promoted = 2, ③ Neither = 3, ④ Should be promoted = 4, ⑤ Should be actively promoted = 5]

【Vertical axis: standard deviation】

Indicates the dispersion of participants' opinions (responses) regarding the measures. A value close to 0 indicates that participants' responses converged, while a larger value indicates greater divergence among individual responses.

Reflecting Results of Citizen Assembly on City Policy

Report



Reflect

Revision of “Tokorozawa City Basic Environment Plan” (Global Warming Countermeasures Action Plan)

Enact “Ordinance to Achieve a Decarbonized Society in Tokorozawa City”

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Collaboration with Waseda University (Government-Academia Partnership)

- Expectation for a ripple effect on welfare and health sectors as a successful model of collaboration between government and academia.
- Waseda University continued holding the citizen assembly the following fiscal year.



Participants and Students Launch New Citizen Group

⇒ Waseda University and the City of Tokorozawa provide back-up for activities

～Initiating new activities with a citizen group～

- Tours of renewable energy facilities
- Cooking events using local vegetables
- Participation in symposiums
- Public education campaigns at events

