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Climate Assembly Tsukuba (CAT) 2023

Design and Operations Working Group:

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Overview of Climate Assembly Tsukuba (CAT) ①

Aiming for best practices...

- ◆ **Schedule:** 6 sessions from Sept. to Dec. 2023
(1 to 5 pm on Sundays)
- ◆ **Target:** 50 Tsukuba residents over age 16,
selected randomly in two stages
- ◆ **Organizer:** CAT Steering Committee
(co-organizers: Tsukuba City, National Institute of Advanced Industrial Science and Technology (AIST), NIES, University of Tsukuba)
- ◆ **Designed by:** CAT Design and Operations Working Group
(NIES, IDEP, Universitas Tsukuba)
Held meetings on 18 occasions leading up to August.

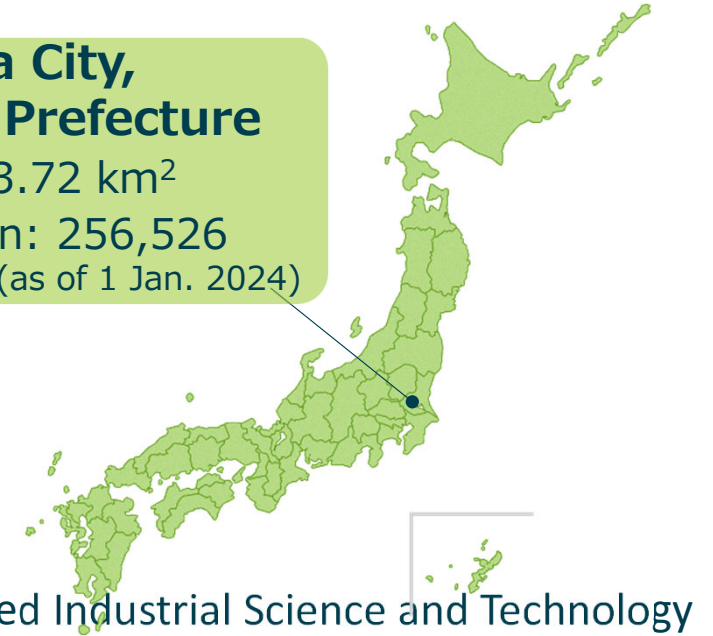
*Total of 30 meetings as of February 2024

Tsukuba City, Ibaraki Prefecture

Area: 283.72 km²

Population: 256,526

(as of 1 Jan. 2024)



Overarching goals for all 6 sessions

◆ Outputs

To clarify the initiatives and measures needed for the city and its residents (communities and businesses) to realize a ‘Zero-Carbon Easy-Living Tsukuba City’ by 2050, and to compile these in a proposal document.

◆ Outcomes

To foster a sense of belief on the following, prior to the proposal:

“With this, we can definitely achieve both zero-carbon and easy-living.”

“With this, we can expect the acceptance and understanding of citizens not here today.”

“We really want to achieve the ideas in this proposal document.”

Goals for sessions

◆ 1st session

To form a vision of 'Zero-Carbon Easy-Living Tsukuba City' in 2050

◆ 2nd to 4th sessions

To obtain material for proposals (components and their levels of preference) on three topics: 1) mobility & community building, 2) housing & buildings, and 3) consumption & livelihoods

◆ 5th session

To obtain draft proposals on all topics (content and their rates of support)

◆ 6th session

To finalize all proposals (wording, rates of support, and strength of support) and to complete the proposal document

Features of Climate Assembly Tsukuba (CAT)

Aiming to ensure inclusivity, diversity, and efficacy...

- ① Meeting design based on comprehensive case studies and trial implementation
 - ② Commitment to participants on faithfully addressing outputs
 - ③ Realization of mini-publics with high acceptance rates
 - ④ Implementation of broad public consultation
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- ⑤ Provision of fruitful learning opportunities leveraging “local advantages”
 - ⑥ Realization of due deliberation based on careful facilitation
 - ⑦ Adoption of voting methods that manifest "common ground"

Features of Climate Assembly Tsukuba (CAT) ①

Meeting design based on comprehensive case studies and trial implementation

◆ Case studies

- Universitas Tsukuba’s “Research Group on Global Climate Assemblies”
Analysis of the context, organization, operation and efficacy of 17 international cases (Jan. 2022 to Jun. 2023) ^{QR①②}
- NIES & IDEP’s “Table on Basic Design of Climate Assemblies”
Classification of the basic design of 6 cases (2 domestic, 2 international) (April 2023) ^{QR③}



◆ Trial implementation

- Tsukuba Shimin Network’s “Climate Future Conference in Tsukuba”
(Cooperation: Universitas Tsukuba, IDEP)
Citizen-led trial of randomly selected assembly (July 2022) ^{QR④}

Features of Climate Assembly Tsukuba (CAT) ②

Commitment to participants on faithfully addressing outputs

◆ Remit (Question posed to participants)

“What initiatives and measures are needed for the city and its residents (communities and businesses) to realize a ‘Zero-Carbon Easy-Living Tsukuba City’ by 2050?”

◆ Impact & Commitment (Promising participants “impact of outcomes”)

Contents of proposal document to be utilized as material for review of the “Third Tsukuba City Basic Environment Plan” (planned for FY2024) and revision of the “Tsukuba City Global Warming Action Plan-Regional Measures” (planned for FY2025).

Each proposal will be addressed without exception (reasons will be provided for proposals not adopted).

Features of Climate Assembly Tsukuba (CAT) ③

Realization of mini-publics with high acceptance rates

◆ Acceptance of 10 times (X) the number of participants is required when organizing mini-publics (newDemocracy)

→ 5,000 invitations, 1,146 responses, 569 accepted, 50 selected (11.38X).

* Criteria: age, sex, region, attitude toward climate change *Tool: Panelot

- Factors:
- Remuneration (¥6,000 cash/session + local specialty product)
 - Support for participants (e.g. elderly/child care)
 - Approval by family
 - Commitment to reflecting all proposals
 - Letter from Mayor
 - Stylized envelopes
 - Citizens' high level of awareness

	Invitations (a)	Responses (b)	Acceptance (c)	c/a	Selection (d)	c/d
Sapporo	3,000	48	39	1.30%	20	1.95X
Kawasaki	3,201	247	92	2.87%	75	1.23X
Musashino	1,500	288	42	2.80%	41	1.02X
Tokorozawa	4,500	600	111	2.47%	51	2.18X
Edogawa	1,500		14	0.93%	14	1.00X
Tama	2,000		45	2.25%	39	1.15X
Atsugi	3,000	430	80	2.67%	52	1.54X
Zushi-Hayama	3,300	373	106	3.21%	46	2.30X
Hino	4,500		154	3.42%	40	3.85X
Tsukuba	5,000	1,146	569	11.38%	50	11.38X

Features of Climate Assembly Tsukuba (CAT) ④

Implementation of broad public consultation

In accordance with a view of citizen assemblies focused on the role of self-selected representatives in addition to randomly-selected representatives.

(Offer two methods of participation in assembly: participation in meetings and submission of opinions)

Call for ideas on the vision for a ‘Zero-Carbon Easy-Living Tsukuba City’ and for its realization.

◆ **1st Call for ideas** (1 June to 25 July)

57 submissions. Utilized mainly for deciding on topics.

◆ **Call for ideas –summer holidays–** (15 July to 18 Aug.)

Targeting students from grade school to university level. 13 submissions. Utilized mainly as materials for 1st session.

◆ **2nd Call for ideas** (5 to 21 Sept.)

24 submissions. Utilized mainly as materials for 2nd to 4th sessions.

Features of Climate Assembly Tsukuba (CAT) ⑤

Provision of fruitful learning opportunities leveraging “local advantages”

◆ 1st session: Introduction

NIES, Tsukuba City

◆ 2nd session: Topic 1 (mobility & community building)

NIES, University of Tsukuba

◆ 3rd session: Topic 2 (housing & buildings)

Shibaura Institute of Technology, AIST,

National Institute for Land and Infrastructure Management (NILIM)

◆ 4th session: Topic 3 (consumption & livelihoods)

NIES

Features of Climate Assembly Tsukuba (CAT) ⑥

Realization of due deliberation based on careful facilitation

- ◆ Ensuring **inclusivity**: preventing unequal speaking opportunities

(The voices of all participants are reciprocally heard)

- ◆ Ensuring **diversity**: preventing imbalance of opinions

(Avoid group conformity, polarization, and superficiality while maintaining fairness)

→ Form a 12-person highly-experienced facilitator team for 50 people/9 groups

→ 21 bi-weekly meetings held between Jan. and Oct. 2023

Conduct reading group for:

Kimbra White, Nicole Hunter, and Keith Greaves (2022)

Facilitating Deliberation: A Practical Guide, MosaicLab.

Features of Climate Assembly Tsukuba (CAT) ⑦

Adoption of voting methods that manifest "common ground"

◆ **2nd to 4th sessions:** Identify all ideas that get over 8 votes in sticker voting

◆ **5th session:** 3-option voting (yes/abstain/no) following examination of above ideas

"Yes" votes above 80% ... Include in proposal document

"Yes" + "abstain" votes above 80% ... Include in proposal document subject to improvement

◆ **6th session:** 7-option voting following examination of above proposal ideas

1) I strongly agree (3 points)

2) I agree (2 points)

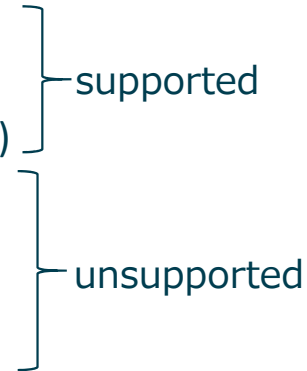
3) I agree, although I have some doubts or reservations (1 point)

4) I have many doubts (0 points)

5) I somewhat disagree (0 points)

6) I disagree (0 points)

7) I strongly disagree (0 points)



- Condition 1:
Above 80% of participants support (votes for options 1-3); and
 - Condition 2:
Arithmetic mean of points is at least 1.75
- Adopted as a proposal

Outcomes of Climate Assembly Tsukuba (CAT) ①

74 Proposals (74 of 87 ideas were adopted and 13 were unadopted in voting on the final day)

- ◆ The city and operators install systems that make bus routes, delays, and location information easier to understand to make buses more accessible (e.g. transportation apps and displays at bus stops) (98%/2.65 points)
- ◆ Businesses meet high standards under BELS (Building-Housing Energy-efficiency Labeling System) when constructing new buildings (98%/2.12 points)
- ◆ Businesses, including the city, choose and purchase products with small carbon footprints to promote the widespread adoption of zero-carbon products and services (98%/2.37 points)
- ◆ The national government mandates product labelling on carbon footprints to support citizens in their choices (98%/2.30 points)
- ◆ The city establishes stores to sell non-standard produce at lower prices and creates systems for use in school lunches to reduce food and agricultural waste (98%/2.42 points)

Proposal
document



Outcomes of Climate Assembly Tsukuba (CAT) ②

All respondents chose 3 or higher in a 5-point rating survey. (n=38)

◆ Did the proposals reflect your thoughts, ideas and opinions?



◆ Did the proposals reflect the thoughts, ideas and opinions of all participants?



◆ Did the proposals balance “zero-carbon” and “easy-living” aspects?



◆ Will the proposals gain the acceptance and understanding of citizens not here today?



◆ Do you want the content of the proposals to be achieved or would you like to achieve it?



I strongly agree./I agree. ←————→ I strongly disagree/I disagree.

Outcomes of Climate Assembly Tsukuba (CAT) ③

Commitment of the mayor and determination of department in charge

◆ Mayor Tatsuo Igarashi:

Promised to “create a roadmap to respond to all 74 proposals” when accepting the proposal document.

◆ Environmental Policy Department:

Will work to revise the “Global Warming Action Plan-Regional Measures” one year ahead of schedule (FY2025 →FY2024).

