

Tokyo Metropolitan University
Department of Urban Science and Policy

2022FY Annual Report

■ Staff List of the Department of Urban Science and Policy, Faculty of Urban Environmental Sciences (in alphabetical order of the family name)

Shin AIBA, Professor
Chisato ASAH, Professor
Taro ICHIKO, Professor
Fumiko ITO, Professor
Akira KANEKO, Associate Professor
Akinobu MASUMURA, Assistant Professor
Nozomi MATSUI, Professor
Motoki NAGANO, Associate Professor
Mami OKU, Professor
Sigemi OHTSUKI, Associate Professor
Ken SHIRAIISHI, Professor
Yoko SUGIHARA, Professor
Masashi TAKAMICHI, Assistant Professor
Kahoruko YAMAMOTO, Associate Professor
Shu YAMAMURA, Associate Professor

<< Shin AIBA >>

1) Staff

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2) Overview of Research Activities in 2022FY

1. Research on earthquake reconstruction

Shin AIBA

I conducted research on the actual conditions of reconstruction and reconstruction planning methods for the reconstruction process after the Great East Japan Earthquake. Specifically, I investigated the actual conditions of spatial change in the Sanriku coastal area of Iwate Prefecture from the Showa Sanriku Tsunami to the post-earthquake reconstruction period.

2. Research on urban planning in an era of declining population

Shin AIBA

The results of a theoretical study of urban planning and urban space design methods in an era of declining population, as well as a study of planning techniques, were presented in a book, two English publications, and at an international conference held in Seoul. The results of research conducted on urban areas in Kagawa Prefecture were presented as an academic paper at the Architectural Institute of Japan. The results of research on the actual conditions of urban areas and the development of urban development methods in residential areas in Hachioji City were presented as an academic paper at the Architectural Institute of Japan. In addition, a book published in 2020 on this research received the Architectural Institute of Japan Award and the City Planning Institute of Japan Award.

3. Comparative research on urban planning in East Asian countries

Shin AIBA

I conducted a comparative study of urban development policies since 2000 in Taiwan, South Korea, and Japan, and interviewed relevant persons in Taiwan. The results of the Korean study were presented as an academic paper at the City Planning Institute of Japan. I also organized a study group on the review of zoning in Tokyo, presented its findings as recommendations, and held a symposium.

4. Technologies to support machizukuri

Shin AIBA

I have developed a method of planning and designing together with citizens. Specifically, I developed a technology to study the spatial image of urban development with citizen participation using MR technology, developed a method to revitalize public facilities in Tama New Town with citizen participation, developed a DIY workshop method that allows lay people to participate, and conducted research on a fund to support city planning activities. A symposium was held to present the results of the research on MR technology, and a report was published.

5. research on cities and industries

I conducted research on the state of industrial space in cities. Specifically, I formed a research working group in the Architectural Institute of Japan and held public study sessions.

3) List of Research Activities in 2022FY

Shin AIBA and Mari NISHIHARA, "Changes in Metropolitan Suburban Residential Areas in an Era of Declining Population: A Case Study of Hachioji City, Tokyo," Proceedings of the 17th Annual Conference on Housing Research, pp. 10-17, Architectural Institute of Japan, December 2022.

Mari NISHIHARA, Tatsuya SUZUKI, and Shin AIBA, "Verification of Urban Planning Changes and Possibility of Residential Guidance from the Viewpoint of Changes in Residential Areas" The Architectural Institute of Japan, Vol.88, No.804,pp.536-547,The Architectural Institute of Japan, Feb 2023.

Satoru YASUTAKE and Shin AIBA, "The Actual Condition of Urbanization of the Site of the Castle Building from the Viewpoint of the Relationship between the Remains of the Castle Building and Land Use," The Journal of City Planning 57(3),pp.848-854, The City Planning Institute of Japan, October 2022

Young-Jun Kim, Ilgi Chung, Akihiko Osawa, Shin AIBA, and Ki-Ho Kim, "A Study on Regulation and Guidance of Large-Scale Buildings to Inherit Urban Organization in 'Seoul Historical City Center'," City Planning Review 57(3),pp.1265-1272,The City Planning Institute of Japan, October 2022.

<< Chisato ASAHI >>

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Chisato ASAHI, Professor, Doctor of Urban Science

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2) Overview of Research Activities

1) Evaluation Research : The following studies were conducted on economic analysis and economic evaluation of public projects, as well as on the methodology and institutional design of evaluation research.

- A methodology for assessing local flood control vulnerability using the Flood Vulnerability Index (FVI) was studied. District-specific FVIs were derived using Hoi An City, Vietnam, as a case study, and the impact of uncertainty using the Fuzzy AHP was examined (see Research Activities Lists 3-1-1).
- A review of flood control vulnerability studies (FVI) was conducted using the method of bibliometric analysis and three approaches, including indicator-based, were organized. The results were presented at an international conference and are being submitted for publication (see Research Activities Lists 3-2-1)
- The report summarizes the current situation and discusses issues regarding the introduction of EBPM in the comprehensive plans of local governments from the perspective of policy and administrative evaluation. Based on the update of the Japanese policy evaluation system, it was shown that EBPM is not limited to the clarification of evidence, but can be positioned as a process to improve the effectiveness of evaluation through the use of subjective evaluation and collaboration among administration, experts, and citizens. (see Research Activities Lists 3-3-2)

2) Social Overhead Capital Management : The following studies were conducted on the economic analysis and economic evaluation of evaluation of public projects and social overhead infrastructure, as well as the methodology and institutional design of providing infrastructure services in the region.

- Using land price data used to evaluate social overhead capital improvements, a comparison of public land price data for residential land by urban employment area between the income method and the comparison method was conducted to determine the impact of social overhead capital and other regional factors on the differences

between the two methods. factors on the differences between the two methods (See Research Activities Lists 3-1-4 and 3-2-3).

- A theoretical examination of the capitalization of social capital and municipal debt into land values in urban areas was conducted, and an empirical analysis by urban employment area revealed differences in capitalization of capital and debt by regions (see Research Activities lists 3-1-3).
- As a method for evaluating the benefits of local public goods, a typology of public facility use was developed using latent class analysis. Discrete choice data from the partner municipalities in the joint research (Odawara City, Inuyama City and Aizu-Wakamatsu City) were used to clarify the attributes of users by facility type. This research is based on the results of the 'Construction of a support system for public asset management to make the region sustainable' (2016-2019) in Research for the Strategic Innovative Technology Research and Development (RISTEX). (See Research Activities Lists 3-1-2).
- Regarding infrastructure management for sustainable regions, we structured the mechanism of Stadtwerke in Germany for the supply and management of public services by private entities using contract theory, and examined the pertinence of the theoretical implications based on the characteristics of literature case studies. This study is based on the results of the "Research and Study on Sustainable Regional Infrastructure and Public Services" in which I participated as a visiting researcher (2018-2019) at the Policy Research Institute for Land, Infrastructure, Transport and Tourism (see Research Activities lists 3-2-2).
- A bibliometric review paper on international research trends in green infrastructure was reported. The typology and current status of green infrastructure research was reviewed from the perspectives of economic evaluation, transportation, and tourism. Note that this research is part of the results of the Japan Transport Policy Research Association's "Study on the Development of Charging Facilities for Electric Vehicles. (see Research Activities lists 3-2-1).

3) List of Research Activities in FY 2020

1. Peer-reviewed papers
 - 1) Miwa Ebisu, Toshihide Matsumura, and Chisato Asahi, "Impact of capitalization of local fiscal expenditure on land prices -Analysis of regional differences-", Studies in Regional Science, Volume 52, Issue 2, pp.347-365.
 - 2) Toshihide Matsumura and Chisato Asahi, "An Analysis of Trends and Types of Public Facility Use", Studies in Regional Science, Volume 52, Issue 1, pp.151-168.

- 3) Thuy Linh Nguyen; Chisato Asahi; Thi An Tran; Ngoc Hanh Le, "Indicator-based approach for flood vulnerability assessment in ancient heritage city of Hoi An, Central Region of Vietnam", *Nature Hazards*, 114(2), 2357-2385.
2. Proceedings of oral presentations
 - 1) Thuy Linh Nguyen, Chisato Asahi, Thi An Tran 'A systematic review with bibliometric analysis of different approaches and methodologies for undertaking flood vulnerability research', 27th The Pacific Conference of the RSAI in Kyoto (PRSCO online conference 2022 Kyoto origin). 01/Aug/2022, Virtual location: Kyoto origin
 - 2) Yoriko Tsuchiya and Chisato Asahi "A study on business development of start-up companies and regional issues, Collected Papers for Presentation In the 59th Annual Meeting of the Japan Section of the RSAI, Reitaku University (online), JAPAN October 8-9, 2022 (in Japanese)
 - 3) Miwa Ebisu and Chisato Asahi, "Factors Affecting Land Values Based on Appraisal Methods in Local Urban Areas", 2022 Annual Conference of Japan Land and Environment Institute, Teikyo University (on-site), November 12th (in Japanese)
 3. Others
 - 3-1. Technical books
 - 1) Asahi, C., Hagihara, K. (2022). Ex Post Risk Management of Environmental Contamination of Municipal Water. In: Higano, Y., Kiminami, L., Ishibashi, K. (eds) *New Frontiers of Policy Evaluation in Regional Science. New Frontiers in Regional Science: Asian Perspectives*, vol 52. Springer, Singapore. https://doi.org/10.1007/978-981-16-4501-3_2
 - 2) Chisato Asahi and Noriko Horie ed. "Toward Sustainable Regions - Essays in Honor of Kiyoko Hagihara", *New Frontiers in Regional Science: Asian Perspectives* series, Springer. (in press)
 - 3-2. Monographs
 - 1) Chisato Asahi "Chapter 2: Research Trends in Green Infrastructure by Bibliometrics - Economic Evaluation, Transportation, and Tourism Perspectives", in *Research Project Reports of "A research on sustainable tourism use of natural resources"*, The Japan Research Center for Transport Policy, Series A-842, pp.19-39, 2022 (in Japanese)
 - 2) Chisato Asahi "Planning and Evaluation: Goal Management Type Evaluation and

EBPM," Journal of Urban Social Studies No. 15, pp.1-21, Setagaya Autonomy Institution for Policy Studies (in Japanese)

3-3. Commentary/essays, Book review

- 1) Chisato Asahi" "Socio-economic Structure of Cities," in Tama Region Urban Development Expert Training Project Recurrent Education Contents "Encyclopedia of Tama and Islands" ch.14, Social Science 2, Network Tama Editorial Board ed. 2022,

3-4. Others

- 1) Incentive Award for 'Miwa Ebisu and Chisato Asahi, "Differences in the land value of residential area based on sales comparison approach and income capitalization approach; Analysis using the appraisal reports of the Land Market Value Publication in Tokyo", Journal of Japan Land and Environment Institute, Vol.22, Japan Land and Environment Institute', November 12, 2022

4. Funded Research Projects (Competitive Research Funds, etc.)

KAKENHI (Grant-in-Aid for Scientific Research)

Others

- 1) Visited researcher in a research project, "Fundamental research and study on the creation of prosperous and vibrant local communities and decentralized national development" organized by Policy Research Institute for Ministry of Land, Infrastructure, Transport and Tourism.
- 2) Tokyo Metropolitan University "TMU Sustainable Research Promotion Organization Sustainable Start-up Research Study "Quantitative Analysis of the Effects of Coastal Improvement of the Sumida River on Visitors and Surrounding Residents" (Principal investigator: Professor Fumiko Ito)
- 3) Project member of the Japan Research Center for Transport Policy's project, "Study on the Development of Charging Facilities for Electric Vehicles".
- 4) Joint research project with For Startups, Inc. (mutually-beneficial joint research) "Analysis of Regional and Policy Factors Promoting Startup Agglomeration and Corporate Diversification".

<< Taro ICHIKO >>

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2) Overview of Research Activities in 2022FY

1. Research of a long-term recovery for housing and building environment

The impact of natural disasters took a long time to recovery regarding life, livelihood, housing and building environment. How do persons recover their housing, daily-life and livelihood? How do persons adapt rapid and serious transition by the natural hazard? Our laboratory engaged in the long-term recovery survey after big natural disasters especially for the 2011 Great East Japan Earthquake and the 2016 Kumamoto Earthquake.

We have been continuing to visit the disaster-stricken area and interviewed stakeholders in the Great East Japan Earthquake and Kumamoto earthquake.

2. Community Resiliency Studies in Tokyo

From the viewpoint of urban planning, we are conducting the research for risk mitigation strategy for natural disaster. In particular, we were focused on creating and managing a community to be resilient and rapidly recovering from the disaster. This study was also developed as the pre-disaster planning for post-disaster recovery.

In fiscal 2022 year, we carried out an action-research on Mita district, Minato Ward, Tokyo.

3. Risk communication Studies

To protect human-life from tsunamis and typhoons, it is inevitable for each person to acknowledge and make evacuate action. But natural disaster has difficulties of uncertainty and information imperfection. It can be said that it is necessary to improve the decision-making ability to cope with natural hazards from the normal time. It's also just the risk-communication study.

We are engaged in an action research at Kamiyugi district in Hachioji City. And we were also engaged

in the research for disaster prevention leader training in the Machida city.

3) List of Research Activities in 2022FY

1. Peer reviewed paper

- 4) Taro ICHIKO: A Study on Disaster Preparedness Behavioral Factors between Households and their Community in Hillside Suburbs, Journal of Social Safety Science, No. 41, pp.345-354, November, 2022 (in Japanese)

2. Proceedings of oral presentation

- 1) Taro ICHIKO, A case study of making a BCP quick-action sheet for small business, Proceedings of the Annual conference of the Institute of Social Safety Science, No. 50, pp.185-188, 2022 (in Japanese)

3. Others

- 3-1. Technical books
- 3-2. Monographs
- 3-3. Commentary/essays, Book review

4) Funded Research Projects (Competitive Research Funds, etc.)

1. KAKENHI (Grant-in-Aid for Scientific Research)

As a Principal Investigator : Grant-in-Aid for Scientific Research (C), As a Principal Investigator : A comparative study of Pre-disaster planning for post-disaster recovery between U.S. and Japan, 2021-2024.

2. Others

As a Principal Investigator : Development of BCP sheet in Arakawa ward, Research Fund of Arakawa Industry Vitalization, Project Year: Apr 2022 - Mar 2023

<< Fumiko ITO >>

1) Staff Profile

Fumiko ITO

Professor / Dr. Eng.

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2) Overview of Research Activities in 2021FY

1 Urban area analysis, research of psychology and behavior in urban environment

Fumiko Ito

The condition of the city, citizen's evaluation of environment and the relationship between those are analyzed to obtain suggestions for creating comfortable environment.

Following topics were researched in 2022 FY.

- 1.1 Influence of smartphone operation during walking on urban space perception
- 1.2 Psychological evaluation of the street environment
- 1.3 Improvement of circulation by waterfront development and effects on visitors and residents in the neighborhood

2 research on housing environment analysis, real estate, housing supply and demand, and residential behavior

Fumiko Ito

Housing choice and living behavior of residents are analyzed to clarify the demand of residential service. Relationship between residential environment and housing choice, behavior of residents were analyzed.

Following topic was researched in 2022 FY.

- 2.1 Condition and situation of high aged condominium in Setagaya city and Shibuya city
- 2.2 Effects of vacant houses on residents' evaluation of the living environment

3) List of Research Activities in 2021 FY

1. Peer-reviewed papers

2. Proceedings of Oral Presentations

Daisuke SUGIURA and Fumiko ITO

A Study on the Structure of Street Signs for Easy-to-understand Transit Behavior: Focusing on the Form of Signs and the Expression Form of Guide Information
Summaries of Technical Papers of Annual Meeting, the Architectural Institute of Japan (in Japanese).

Yukinori KAI, Fumiko ITO, Ichiro AOKI and Masumi MATSUMOTO

Relationship between the structure of living environment satisfaction of elderly condominium residents and building factors / resident attributes.
Summaries of Technical Papers of Annual Meeting, the Architectural Institute of Japan (in Japanese).

3. Papers, Commentaries and Critiques

Toru MASHIKO, Shin FUJIOKA and Fumiko ITO

The Possibility of Promoting Diversity and Supporting Career Development in Universities: From the Practice through Night Divers.
Career Development Support Research 9 Co-Creation, p. 202-207, Career Development Support Research Association, ed.

4. Others

Research report

Masumi MATSUMOTO, Fumiko ITO, Ichiro AOKI and Hiroyuki YOSHINO

“Survey report on the actual conditions of aged condominiums by region and age and the direction of regeneration -Hachioji City, Machida City, Tama City”
Joint research with Housing and Community Foundation (in Japanese)

4) Funded Research Projects (Competitive Research Funds, etc.)

4-2.Others

Joint research "Survey research on the actual conditions of aged condominiums by region and age and the direction of regeneration" (Research representative: Masumi

Matsumoto), 2019-2023 FY, Co-Investigator.

TMU Sustainable Start-up Survey and Research, "Quantitative Analysis of the Effects of Coastal Improvement of the Sumida River on Visitors and Residents in the Surrounding Area.

Oct. 2022-Mar. 2023, Principal Investigator.

<< Akinobu MASUMURA >>

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2) Overview of Research Activities

1. Research on Community Recovery in Areas Affected by the Fukushima Daiichi Nuclear Power Plant Accident

In Odaka-Ku, Minamisoma City, Fukushima Prefecture, we interviewed residents about their daily lives and village management after their return or relocation. Furthermore, I collected data on land-use change. In addition, to compare the recovery process with other disasters, I visited the areas affected by the Tropical Storm Talas (2011) and the areas affected by the earthquakes in Italy. Part of this research is conducted in collaboration with the researchers and students of the University of Tokyo.

2. Research on Industrial Recovery in the Areas Affected by the Great East Japan Earthquake and Tsunami

I presented at the Annual Convention of the Architectural Institute of Japan on the relationship between post-disaster and Business Recovery in the Tsunami Affected Urban Area after the Great East Japan Earthquake and Tsunami and submitted the translation paper to Japan Architectural Review.

3. Research on the recovery of housing and business establishments and land use change in the areas affected by the recent floods

I collected data on public support for the construction of temporary industrial facilities after the Kumamoto Earthquake. In addition, I interviewed local government officials regarding the construction of temporary industrial facilities in the areas affected by floods in 2008 and 2020.

4. Research on Urban Design and Management Focusing on Human Flow

We analyzed methods for estimating pedestrian flow in the district based on smartphone location data. This research is joint research with the Urban Environment Management Planning Laboratory, Yokohama National University. We also studied a method for analyzing the usage of public space near the river based on smartphone location data.

3) List of Research Activities in 2021FY

2. Oral presentations

- Masumura, A., Study on Changes in Establishments location in the Areas Affected by Tsunami of the Great East Japan Earthquake: Analysis of panel data using individual data of Economic Census from 2009 to 2016, Annual Convention of the Architectural Institute of Japan, Sep 6, 2022

3. Others

3-2. Research report

- Tani, K., Masumura, A., Satoh, Y., Sadohara, S., Study on the Future City in the Global Environment Age. Part 66 A study of the method of estimating the number of pedestrians using the position information of smartphones and walking space network data, Summaries of Technical Papers of Annual Meeting, Architectural Institute of Japan, pp. 2271-2272, Jul, 2022.
- Masumura, A., Study on Changes in Establishments location in the Areas Affected by Tsunami of the Great East Japan Earthquake: Analysis of panel data using individual data of Economic Census from 2009 to 2016, Summaries of Technical Papers of Annual Meeting, Architectural Institute of Japan, pp. 739-742, Jul, 2022.
- Masumura, A., 南相馬市小高区浦尻での集落環境維持の取り組み, KENCHIKUSHI, Vol. 71, No. 837, pp. 28-31, Jun, 2022.

3-4. Others

Awards

- Leading Scientist Award, Faculty of Urban Environmental Science, Tokyo Metropolitan University
- Research Award, Alliance for Disaster Re-design

4. Funded Research Projects (Competitive Research Funds, etc.)

4-1. KAKENHI (Grant-in-Aid for Scientific Research)

- Grant-in-Aid for Early-Career Scientists, Japan Society for the Promotion of Science, Apr, 2021 - Mar, 2026 (Principal Investigator)
Visualization of land use changes in the areas affected by the Fukushima nuclear power plant accident and clarification of institutional issues
- Grant-in-Aid for Scientific Research (B), Japan Society for the Promotion of Science, Apr, 2022 - Mar, 2025

Research on a Planning Methodology to Guide Long-Term Rational Decision-Making in an Era of Frequent Disasters

- Grant-in-Aid for Scientific Research (A), Japan Society for the Promotion of Science, Apr, 2022 - Mar, 2026

4-2. Others

- Suntory Foundation's Grant for Collaborative Research in Humanities and Social Sciences
(08/2021-07/2022) (Co-Investigator)
- Nippon Life Insurance Foundation's Research Grant for Young Researchers
(10/2021-09/2022) (Co-Investigator)
- Collaborative Researcher of the Organization for Local Collaboration Networking, Yokohama National University (04/2022-03/2023)
- TMU Research Grant for Young Researchers (04/2022-03/2023)
- TRIS(Tokyo Research Initiative for Sustainability) Research Grant (11/2022-03/2024) (Co-Investigator)

<< Nozomi MATSUI >>

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2) Overview of Research Activities in FY 2020

1. A study of Technical staff in national and local Government
2. A study of personnel management for female local officials.
3. A study of administrative burdens on planning between local and national governments
4. A study of administrative and financial management in Rural Areas
5. A study on coordination system between Tokyo Metropolitan Government and 23 cities in the metropolitan area.

3) List of Research Activities in FY 2022

1. Peer-reviewed papers
2. Proceedings of oral presentations
3. Others
- 3-1. Technical books

3-3. Monographs

3-4. Commentary/essays

- Nozomi MATSUI, “Current Status and Issues in Recruitment and Training of Technical and Professional Staff” , Masse OSAKA Research Bulletin, Vol.26 [in Japanese].

4. Grants-in-Aid for Scientific Research

4-1.KAKENHI(Grant-in-Aid for Scientific Research)

- Scientific Research (C) , “Coordination system between Tokyo Metropolitan Government and 23 cities in the metropolitan area” 2017-2021.
- Scientific Research (B) , “Cooperation and Collaboration among Multiple Administrative Entities Based on Comparative Case Analysis” 2019-2021.

- Scientific Research (B), “Study on present situation and challenges of self-government in the mountainous areas of Japan”, 2019-2022.
- Scientific Research (B), “Factors Promoting and Inhibiting the Appointment of Women in the Public Sector”, 2020-2023.
- Scientific Research (C) “A Study on the Occurrence and Response of Administrative Burdens in Administrative Procedures between Central and Local Governments”, 2021-2023.
- Scientific Research (B), “Comparative Analysis of Frontline Worker Behavior by Policy Domain: Perspectives from Gender and Organizational Management”, 2022-2026.
- Scientific Research (B), “A Comprehensive Study on the Personnel System and Organizational Structure of Professional Administrative Officers in Contemporary Japan”, 2022-2027.

4-2.Others

<< **Motoki NAGANO** >>

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2. Overview of Research Activities in FY 2022

This year, I continued my ongoing research on urban governance, with a focus on three topics.

Topic 1: Citizen Participation in Urban Governance

In the field of deliberative democracy, “Mini-publics,” or limited but intensive engagements of citizens recruited via random sampling from the resident register, is one of the primary issues.

In FY 2022, I conducted interviews to investigate how municipal governments in Tokyo Metropolis use these participation measures in their policy processes and published several articles in academic journals based on this research. In addition, in the area of citizen participation in local assemblies, I published an essay and made an oral presentation about the relationship between the reformation of citizen engagement in municipal councils and the growing number of female representatives in local assemblies.

Topic 2: Intergovernmental relationships

I conducted interviews with local government officers to examine the dynamics of negotiation and mechanisms of consultation between the Tokyo Metropolitan Government and ward and city offices. From the results of those surveys, I presented a short report on human resource development in municipal governments at a symposium on city planning.

Topic 3: International comparative studies

With the aim of developing an international comparative study of metropolitan public administrations, I visited Taipei City, Taiwan and carried out a fieldwork survey.

3. List of Research Activities in FY 2022

1. Peer-reviewed papers

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2. Proceedings of oral presentations

Motoki Nagano, “Localization and Acceptance of Deliberative Mini-Publics in Tokyo Area Municipalities,” at the Online Study Session, Japan Mini-Public Research Forum, March 7, 2023 (online) [in Japanese].

Motoki Nagano, “Trends in Deliberative Mini-Publics in Tokyo Area Municipalities,” at the Taipei and Tokyo Sustainable City Forum, Department of Urban Development, Taipei City Government and College of Sustainability and Innovation, Chinese Culture University, February 23, 2023 (Guangci Fraternity Park Social Housing No. C, Xinyi District, Taipei City, Taiwan) [in Japanese].

Motoki Nagano, “Recent Publications and Activities on Deliberative Mini-Publics in Japan,” at the 8th Annual Forum, Japan Mini-Public Research Forum, December 10, 2022 (online) [in Japanese].

Motoki Nagano and Takashi Hoshi, “Human Resources Development for Use Districts Management,” at the Open Study Seminar “Considering Use Districts Review,” Association for the Study of Use Districts, December 8, 2022 (online) [in Japanese].

Motoki Nagano, “Localization and Acceptance of Deliberative Mini-Publics in Tokyo Area Municipalities,” at the Asia/Pacific Deliberative Democracy Learning Call, Democracy R&D, October 28, 2022 (online) [in Japanese].

Motoki Nagano, “Trends of Change in Female Local Legislators and Citizen Engagement in Local Assembly,” at the Citizens and Councilors Conference for the Creation of Municipal Ordinances 2022, July 31, 2022 (online) [in Japanese].

Motoki Nagano, “Current Status in Female Local Legislators and Their Trends of Change,” at the Online Study Session “For Empowering Women in Local Assemblies: Current Situation and Challenges,” Local Government Policy Studies Association Japan, June 21, 2022 (online) [in Japanese].

3. Other

3-1. Technical books

As co-author

Jiro Uno, Motoki Nagano, and Mikine Yamazaki, eds., *Issues in Local Government Studies Textbook*, MinervaShobo, Kyoto, April 2022 [in Japanese].

Specific contributions

Motoki Nagano, “Foreword” pp. i–v, in *ibid.* [in Japanese].

Motoki Nagano, “Binary Representation Systems in Local Government,” Chapter 6 pp. 109–128, in *ibid.* [in Japanese].

Motoki Nagano, “Local Assemblies,” Chapter 7 pp. 129–146, in *ibid.* [in Japanese].

Motoki Nagano, “Functions of Local Referenda,” Chapter 8 pp. 147–166, in *ibid.* [in Japanese].

Motoki Nagano, “Citizen Participation and Co-productions,” Chapter 9 pp. 167–186, in *ibid.* [in Japanese].

Motoki Nagano, “Scenario Selection for Local Autonomy,” Chapter 14 pp. 273–290, in *ibid.* [in Japanese].

3-2. Research reports/papers

Motoki Nagano, Tatsuro Sakano, Ryota Sakai, Yoosung Park, and Hiroko Osaki, *The Midterm Report on Trends in ‘Mini-publics’ Citizen Participation in Tokyo Metropolitan Municipalities*, supported by Grants-in-Aid for Scientific Research (KAKENHI) No. 21K01325, “Empirical research on policy impacts by ‘Mini-publics’ citizen participation in Tokyo metropolitan municipalities,” August 2022 [in Japanese].

3-3. Monographs

Motoki Nagano, “Incorporating the Wisdom and Intelligence of Citizens into Policymaking: Case Studies on Random Selection-based Citizen Panels in Tokyo-Area Municipalities,” *Public Policy Studies*, no. 22, pp. 113–126, December 2022 [in Japanese].

Motoki Nagano, “Localization and Acceptance of Deliberative Mini-Publics: A Case Study of Municipalities in Tokyo Metropolis,” *Planning and Public Management*, vol. 45, no. 4, pp. 9–14, November 2022 [in Japanese].

Motoki Nagano, “For Better Public Participation in Municipal Planning,” *Municipal Problems* (The Toshi Mondai), vol. 113, no. 5, pp. 79–87, May 2022 [in Japanese].

3-4. Commentary/essays

Motoki Nagano, “Options to address the shortage of qualified local council members,” *Local Autonomy Daily* (Jichinippo), October 10, 2022 [in Japanese].

3-5. Book reviews

Motoki Nagano, Book review: Seiki Miyata’s *What Happens When You Create a Municipality from Scratch? Former Village Mayor Miyata Seiki Talks about the History of Oogata Village*, *Tokyo Metropolitan Government Daily* (ToseiShimpo), February 14, 2023 [in Japanese].

3-6. Panel invitations

N/A

4. Grants-in-Aid for Scientific Research

(KAKENHI)

Principal Investigator, Scientific Research (C), No. 21K01325, “Empirical research on policy impacts by ‘Mini-publics’ citizen participation in Tokyo metropolitan municipalities,” FY 2021–2023.

Principal Investigator, Scientific Research (C), No. 17K03547, “Negotiation and Consultation Mechanisms Between Tokyo Metropolitan Government and Ward Governments After Decentralizing Reforms in the Fiscal Year 2000,” FY 2017–2022.

Co-investigator, Scientific Research (C), No. 22K02344, “A Study on the Conflict between Democratic Control of Teacher Policy and Professional Autonomy in Municipal Assemblies,” FY 2022–2024.

Co-investigator, Scientific Research (B), No. 18H01607, “Neo-liberalistic City Planning System: Their Results and Formation Process in East-Asian Mega Cities,” FY 2018–2022.

5. Lectures

Motoki Nagano, “Municipal Government Policymaking and Citizen Participation: Consideration from

Tama Region Municipalities’ Endeavors,” The 30th Tama ToKoTon Forum, Organizer: The Joint Committee for The 30th Tama ToKoTon Forum (Consisting of the Tokyo–Tama Citizens’ Federation for Recycling and The Tokyo Institute for Municipal Research) (March 4, 2023, Aura Hall, Tama, Tokyo) [in Japanese].

Motoki Nagano, “Functions of Municipal Assembly Offices in Local Governance,”

Workshop for City Councils Offices’ Executive Directors, Organizer: Tokyo Association of Chairpersons of City Councils (July 14, 2022, Tokyo Neighborhood Hall, Fuchu, Tokyo) [in Japanese].

6. Awards

N/A

7. Media comments

“Chairperson Leaves Without Proceeding: Bizarre 3 Months in Sumida Ward Assembly,” *Tokyo Shimbun* (Morning ed., p. 23), September 24, 2022 [in Japanese].

<< Mami OKU >>

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2) Overview of Research Activities in 2022FY

1. Legal and Policy Framework regarding Renewable Energy in UK

The UK has legally binding targets for GHG reduction under the Climate Change Act 2008. The Act articulates that the reduction target for 2050 must be at least 100%. In order to achieve this target, the UK has introduced carbon budgeting system as well as measures to promote introduction of renewable and low carbon energy while protecting environment and taking local and community needs into consideration. Learning from the UK experience, the way of public involvement in the decision making and legal procedure concerning renewable energy installation in Japan was explored in the study.

2. Legal System to ensure Due Diligence by Economic Entities in EU and UK

Recently, number of countries to introduce legal systems which make mandatory for economic entities to ensure due diligence not only related to human rights but also to deal with environment and deforestation risks is increasing, especially in Europe and the U.S. Under these legal systems, it is becoming more common to introduce civil sanctions over entities' infringement of due diligence. Although Japan has not yet introduced such legal system, Japanese entities are being influence by legally binding due diligence system of other countries or regions as value chain becomes more global. In order to explore the possibility to introduce such legal system in Japan, experience and discussions in the EU and UK were examined in the research.

3. Regulation on the Establishment of a Framework to facilitate Sustainable Investment (so called 'Taxonomy Regulation') in the EU

The EU has adopted the taxonomy regulation in June 2020. This regulation intends to enhance investment toward environmentally sustainable economic activities by establishing the criteria for determining whether an economic activity qualifies as environmentally sustainable. By looking into detail of the regulation, especially

concerning the environmental objectives, the environmentally sustainable criteria, the criteria on contributing to or having negative impact on environmental objectives, the technical screening criteria, experts and stakeholder organisations, disclosure obligation on companies and supervising compliance, points that could be beneficial for Japanese legislation had been explored.

4. Roles and Issues of Local Governments toward the Realization of a Decarbonized Society

Continued from the last year, roles and issues of Japanese local governments, especially at a municipality level, in order to realise carbon neutral by 2050 had been clarified and measures for solving those issues had been presented in the research.

3) List of Research Activities in 2021FY

2. Oral presentations & Speeches

2-1. Symposium

Gave a presentation titled “Legal and Policy Framework toward Circular Economy in Japan” and participated in the discussion concerning realizing circular economy and bioeconomy in German and Japan as part of “the 25th German-Japan Symposium on Bioeconomics” organized by the Japan Society for the Promotion of Science in Berlin, Germany from 20 to 21 May 2022.

2-2. Presentation at an Academic Society and Symposium

Gave a presentation titled “Local Governments’ Policy and revised Global Warming Countermeasures Act” as part of the Symposium on “Toward Carbon Neutral” organized by the Japan Association for Environmental Law and Policy at Kobe University on 18 June 2022.

2-3. Keynote Lecture

Gave a keynote lecture titled “Roles of Local Governments toward Carbon Neutral as Climate Change Mitigation” as part of a training program for municipality officials in Tokyo held at Tokyo Jichi Kaikan on 26 August 2022.

2-4. Speech

Gave a speech titled “What a local government and community can do toward Carbon Neutral” to members of Environmental Council of Anjo City on 6 October 2022.

2-5. Symposium

Gave a speech titled “Measures of Tokyo and Japan toward realizing Carbon Neutral and what We can do as Citizens” and participated in the discussion with Ambassadors of Norway and UAE as part of the Global Lecture Series organized by Tokyo Metropolitan University on 15 October 2022. <https://www.youtube.com/watch?v=xDQBOoVbyZg>

2-6. Speech

Gave a speech titled “Roles and Actions of a Local Government toward realizing Zero Carbon City – a Municipality needs to be a one Team” to the mayor, deputy mayors, superintendent of education and other management officials at Ota Municipal Office on 19 December 2022.

2-7. Lecture

Gave a lecture on “What We can do to realise Carbon Neutral” as 2022 Winter Season Lecture of the Open University of Tokyo Metropolitan University on 1 February 2023.

2-8. Speech

Gave a speech titled “Roles and Actions of a Local Government toward realizing Zero Carbon City – a Municipality needs to be a one Team” to management official of Urayasu City on 30 March 2023.

3. Others

3-1. Technical Papers

- (1) Mami Oku, Chap. 2 Climate Change Legislation in Foreign Countries - 1 EU, in *Law and Policy concerning Climate Change*, to be published soon.
- (2) Mami Oku, Chap. 2 Climate Change Legislation in Foreign Countries - 2 UK, in *Law and Policy concerning Climate Change*, to be published soon.

3-2. Research Papers

Mami Oku, Local Governments’ Policy and revised Global Warming Countermeasures Act, *Journal of Japan Association for Environmental Law and Policy*, Vol. 26, to be published soon.

3-3. Commentaries & Papers

- (1) Mami Oku, Due Diligence Obligation of Companies concerning forest risk

commodities under the Environmental Act 2021 in the UK, as part of a research project of the Ministry of Environment on legal frameworks of foreign countries concerning natural capital and biodiversity in the supply chain, Shoji-homu-kenkyukai, pp.51-61, March 2023.

(2) Mami Oku, Proposal for a Regulation on Deforestation Free Commodities in EU, as part of a research project of the Ministry of Environment on legal frameworks of foreign countries concerning natural capital and biodiversity in the supply chain, Shoji-homu-kenkyukai, pp.39-47, March 2023.

(3) Mami Oku, Legislation to ensure Due Diligence of Companies in EU, as part of a research project of the Ministry of Environment on legal frameworks of foreign countries concerning natural capital and biodiversity in the supply chain, Shoji-homu-kenkyukai, pp.21-28, March 2023.

(4) Mami Oku, Regulation on the Establishment of a Framework to facilitate Sustainable Investment (so called ‘Taxonomy Regulation’) in the EU, as part of a research project of the Ministry of Environment on legal frameworks of foreign countries concerning natural capital and biodiversity in the supply chain, Shoji-homu-kenkyukai, pp.39-47, March 2023.

<< **Sigemi OHTSUKI** >>

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2) Overview of Research Activities in 2021FY

1. An Empirical Study on Social Quality

Using Social Quality as a critical concept, Ohtsuki examined the policies adopted by basic local governments. Specifically, Ohtsuki focused on policies related to multicultural coexistence and gender equality as indicators of Social Cohesion and Social Empowerment, sub-concepts of Social Quality. Ohtsuki then elaborated a research framework to examine the requirements for establishing policies related to multicultural coexistence and gender equality through qualitative comparative analysis (QCA). Finally, questionnaires on intercultural society and gender equality were sent to basic local governments in Tokyo, Kanagawa, Chiba, Saitama, Ibaraki, Tochigi, and Gunma prefectures. The collection rate for both surveys exceeded 50%. The return rates suggest that this study has attracted much social attention. This study was part of Grant-in-Aid for Scientific Research (20K02164) and Grant-in-Aid for Scientific Research (17K17987).

2. An Empirical Study on Welfare and Cooperation

Under the "Welfare and Collaboration" theme, Ohtsuki researched social Welfare and intercultural societies. Theoretical perspectives and interpretations of analytical findings in this research Ohtsuki discussed in several online seminars held with Takashi Mieno (Professor Emeritus, University of Yamanashi) and others. This research will be co-authored and published in FY2023. This research was supported by The Grant-in-Aid for Scientific Research (20K02164) and Grant-in-Aid for Scientific Research (17K17987) support this research.

3. Empirical Study on the Division and Restructuring of Labor Markets and Local

Communities

This study focused on the relationship between social stratification and the local community and its restructuring process. Specifically, Ohtsuki conducted multiple interviews with residents and related individuals in a particular redevelopment area in Tokyo as the research target area. The interviews confirmed the findings of previous studies on social stratification and local communities and refined the hypotheses for the quantitative survey. A quantitative survey of residents will be conducted in the first half of FY2023. This research was supported by Grant-in-Aid for Scientific Research (20K02063).

4. An Empirical Study on Multidimensional Aspects in Occupational Segregation

Ohtsuki examined the multidimensionality of occupational segregation by education and gender. Specifically, Ohtsuki used the Census data with custom-made tabulations and conducted correspondence analysis between educational background and occupation by nationality of the inhabitants. Ohtsuki submitted this study for peer-reviewed co-authorship. This study was conducted as a continuation of the following Grant-in-Aid for Scientific Research (18K01966, final year = FY2021).

3) List of Research Activities in FY 2022

3. Others

3-1. Technical books

1. Ohtsuki, Shigemi, "Issues and Possibilities toward Collaboration in Intercultural Society: In Terms of Welfare" Takashi Mieno (ed.), *Inheritance and Future Creation in Sociology: Welfare and Collaboration*, Minerva Shobo (in Japanese, in press).

4) Grants-in-Aid for Scientific Research

1. Principal investigator, Grant-in-Aid for Scientific Research (C), 20K02164, "An Empirical Investigation into the Factors That Shape "Social Quality" Policy Measures across Municipalities," FY2020-FY2023, 4290 000 JPY.
2. Co-investigator, Grant-in-Aid for Scientific Research (C), 20K02063, "Social Stratification and Restructuring of Local Communities: Tokyo Community Survey by Quantitative and Qualitative Approach," FY2020 - FY2022, 4290 thousand JPY.

<< Ken SHIRAISHI >>

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2) Overview of Research Activities in FY 2022

(1) Research on The Law and Economics of the Japanese Version of Plea Bargaining

In this research, the Japanese version of plea bargaining is evaluated based on economic studies of plea bargaining in the U.S. and Europe.

3) List of Research Activities in FY 2022

2. Monographs

(1) SHIRAISHI, K. (2022) Rationale and Problems with the "Corporate scapegoats and sacrificial lambs" of the Japanese Version of Plea Bargaining, Vol,3,No,1,pp1-13,Tokyo Metropolitan University (in Japanese)

3. Grants-in-Aid for Scientific Research (KAKENHI)

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2) Overview of Research Activities in FY 2022

1. Research on issues related to care for older adults and support system

To understand the issues faced by older adults with physical or cognitive impairments and their caregivers, and to examine the support system and policies to cope with the issues, the following research projects were undertaken this fiscal year: (1) the impact of the increase in the co-payment ratio for long-term care insurance services due to the revision of the long-term care insurance system on the restraint of service use and the users' sense of economic burden, (2) the influences of providing medical care to older adults on caregiver burden and gain, as well as mediating and modulating effects of formal or informal support on the relationship between medical care and caregiver appraisals, (3) distributions and determinants of unmet needs for long-term care services in persons certified as needing care, and the effects of unmet needs on caregiver burnout, (4) awareness and implementation of Advance Care Planning (ACP) among family caregivers, and their related factors, (5) information and information sources that caregivers would like to know about ACP.

2. Research on Support for Supporters

To understand stress and difficulties of those who support people in need of support from public or private positions, and to consider support for supporters, the following research topics were addressed this fiscal year: (1) role stress of community welfare commissioners (Minsei-iin), effective support to reduce their stress, situations of community residents with many serious problems, and effective support for community welfare commissioners to support them, (2) the process that public health nurses support mothers at high risk of abuse, and the factors that cause discrepancies between the perceptions of mothers and public health nurses, (3) determinants of work stress and turnover intention of employees of long-term care service facilities, and effective support from workplaces and local governments.

3. Research on mechanism of health disparities in old age by social class and its regulating factors

To elucidate mechanisms and regulating factors of health disparities in old age from the viewpoints of individual life course and macro social trends, the following research topics were

addressed in this fiscal year: (1) mechanisms that economic strain experienced over the life course influences health problems in old age, (2) mediators of life-course and late-life financial strain on late-life health, (3) association between socioeconomic status and oral health of older adults, (4) relationship between the policy to extend employment of older adults and changes over time in ageism in the workplace.

3) List of Research Activities in FY 2022

1. Peer-reviewed papers

- Yoko Sugihara & Hidehiro Sugisawa. (2023). Influence of medical care tasks on subjective burden and gain in family caregivers of older adults: Structural equation modeling for testing role of formal and informal support. *BMC Geriatrics*. (in press).
- Ken Harada, Hidehiro Sugisawa, Yoko Sugihara, Shizuko Yanagisawa, & Masaya Shimmei. (2022). Big five personality traits, social networks, and depression among older adults in Japan: A multiple mediation analysis. *The International Journal of Aging and Human Development*, 00914150221109893.
- Hidehiro Sugisawa, Ken Harada, Yoko Sugihara, Shizuko Yanagisawa, & Masaya Shinmei. (2022). Mediators of life-course and late-life financial strain on late-life health in Japan: Based on a cross-sectional survey. *Journal of Multidisciplinary Healthcare*, 15, 883-896.
- Shizuko Yanagisawa, Hidehiro Sugisawa, Ken Harada, & Yoko Sugihara. (2023). Psychosocial factors mediating socioeconomic status and oral health of older adults living in urban Areas. *Japanese Journal of Public Health*. (in Japanese, in press).

2. Oral / Poster Presentations

- Yoko Sugihara. The association between performing medical/nursing tasks at home for older adults and caregiver well-being: The moderation effect of support. 22nd World Congress of Gerontology and Geriatrics. 2022.6.12-16. Buenos Aires, Argentina (virtual).
- Yoko Sugihara. Distributions and determinants of unmet needs for long-term care services in persons certified as needing care. Japan Socio-Gerontological Society 64th Annual Scientific Meeting. 2022.7.2-3. Tokyo. (in Japanese).
- Yoko Sugihara. The impact of the increase in the co-payment ratio for long-term care insurance services on service use and users' economic burden. Japanese Society of Public Health 81st Annual Scientific Meeting. 2022.10.9. Yamanashi. (in Japanese).
- Jungnim Kim, Yoko Sugihara, & Koji Fujita. Awareness of ACP among family caregivers of older adults in rural areas during the coronavirus pandemic. Japan Socio-Gerontological Society 64th Annual Scientific Meeting. 2022.7.2-3. Tokyo.
- Hidehiro Sugisawa, Ken Harada, Yoko Sugihara, Shizuko Yanagisawa, & Masaya Shinmei.

Micro, meso-, and macro factors affecting middle-aged men's assessment of age discrimination in the workplace. Japan Socio-Gerontological Society 64th Annual Scientific Meeting. 2022.7.2-3. Tokyo. (in Japanese).

- Yoko Namiki & Yoko Sugihara. Support process by public health nurses for mothers with negative nurturing experiences. Japanese Society of Public Health 81st Annual Scientific Meeting. 2022.10.9. Yamanashi. (in Japanese).

3. Others

3-1. Technical books

- Yoko Sugihara. (2023). Life and health throughout the life course. Junko Wake (ed). Life and Welfare. (in press). Tokyo: Jikkyo syuppan. (in Japanese).

3-2. Research papers

- Yoko Sugihara. (2023). The impact evaluation of the reformed of the National Long-Term Care Insurance system on older adults and their family caregivers: Consideration of support system for preventing social exclusion. Final report of grant-in-aid for scientific research. (in Japanese).

3-3. Award

- Yoko Sugihara. Best presentation award of Japan Socio-Gerontological Society 64th Annual Scientific Meeting. “Distributions and determinants of unmet needs for long-term care services in persons certified as needing care.” 2022.7.2.

4) Funded Research Projects (Competitive Research Funds, etc.)

1. KAKENHI Grants (Grants-in-Aid for Scientific Research)

- Scientific Research (B). [Principal investigator]. “The impact evaluation of the reformed of the National Long-Term Care Insurance system on older adults and their family caregivers: Consideration of support system for preventing social exclusion.”
- Scientific Research (C). [Principal investigator]. “Changes over time and regional differences in difficult cases supported by community welfare commissioners (minsei-iin) and minsei-iins' burden.”
- Scientific Research (A). [Co-investigator]. “A study on the mechanisms and the regulated factors of multi-layered social disadvantages among Japanese older adults.” (PI: Hidehiro Sugisawa).
- Scientific Research (C). [Co-investigator]. “The construction of Advance Care Planning models for older adults in the end-of-life stage.” (PI: Jungnim Kim)

- Scientific Research (A). [Co-investigator]. “Dynamics of family, work, community, economics, and health among the older adults in Japan.” (PI: Erika Kobayashi)

2. Others

- TMU Research Initiative for Sustainability. [Co-investigator]. “Quantitative analyses of the effects of coastal improvements along the Sumida River on visitors and neighbors.” (PI: Fumiko Ito).

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2) Overview of Research Activities in FY 2021

1. A study of regional revitalization focusing on the *Sotobori* of Edo Castle
2. A historical study on waterside space in central Tokyo.
3. Research on revitalization of central Tokyo using regional resource.
4. Practice and research on methods of *Machizukuri*
5. A study on the generation process of a *Tensui Ido* (a well that accumulates rainwater) in Izu Oshima, Tokyo

3) List of Research Activities in FY 2021

2. Talk Session: "The Potential of Chiyoda Machi-Sapo: What to Inherit and Renew," Machi Mirai Chiyoda Foundation, November 2022.

3-1. Research Reports / Papers

- Masashi Takamichi, "Waterfront Space in Tokyo in the Meiji Period as Seen from the Correspondence with the Physical Environment: Focusing on the Outer Moat of Edo Castle and the Kanda River [summary of joint meeting individual reports]," *Journal of Kanto Early Modern History* No. 92, Kanto Early Modern History Society, March 2023.
- Masashi Takamichi, "The city and its architecture are enriched by Waterful archipelago", *Architectural Journal* Vol.137 No1769, Architectural Institute of Japan, pp.4-5, Dec. 2022.
- Masashi Takamichi, "Urban Center Style City Planning Based on Historical Environmental Resources around the Outer Moat of Edo Castle," Report of the Special Research Committee for Community Inclusion-oriented City Planning, Architectural Institute of Japan, Special Research Committee for Community Inclusion-oriented City Planning [Encouraging Young Researchers], March 2022, pp. 129-132.

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2) Overview of Research Activities

1. Urban Sociological Study on Social Structural Changes and Reconstruction of Urban Inner Area in Yokohama, Japan

The Study has been focused on social structural changes in urban inner areas, focusing on the issues below; 1) change in industrial structures with Globalization and post-industrialization, 2) town development plan engaged by public administration and NPOs, 3) activities of local supportive organizations. The academic aim is to clarify 1) how these three points affect over changes and reconstructing of local communities, and 2) how social lives of residents have changed.

2. Urban Sociological Study on Social Structural Changes and Reconstruction of Urban Inner Area in Vancouver, Canada

The study has been conducted in Downtown Eastside, the low-income neighbor in Vancouver, Canada. The research has been focusing on how gentrification impacts to a local community and their activities.

3. Research on Social Condition of the Evacuees from Fukushima

As a research group, we have conducted interviewing research to bring out the social condition of the evacuees from Fukushima, especially from Tomioka Town.

3) List of Research Activities

2. Proceedings of Oral Presentations

Kahoruko YAMAMOTO, 2022, "Strengthening the "community" framework and eviction of homeless persons in the *Yoseba* becoming service-hub". In the Annual Conference of

The Japan Research Society of Regional and Community Studies (online), May 14th, 2022. (Japanese)

3.

3-1. Specialized book

Kahoruko YAMAMOTO, 'The impact of increasing welfare needs on the social structure of urban underclass communities: A case of Kotobuki, Yokohama', Mizuuchi ed. *Diversity of Urban Inclusivity: Perspectives Beyond Gentrification in Advanced City-Regions (International Perspectives in Geography Book 20)*. Springer. (2023)

Kahoruko YAMAMOTO, 'Social Changes in Kotobuki as a Welfare Dependent Community' in Marr & DeVerteuil eds. *Refuge Neighborhoods: Service Hubs and Fighting Homelessness in Globalizing Cities in the US and Japan*. (forthcoming)

Kahoruko YAMAMOTO, 2021, "Genpatsu hinan jichitai Tomioka-machi 10 nen no kiseki" (10 years in Tomioka-town as the evacuee municipality) in A. Sato, T. Kanai & R. Takaki eds. *Genpatu jiko hisai jichitai no saisei to kuno* (Regeneration and calamity of the disaster-stricken municipality): 15-40. Tokyo: Daiichi-hoki. (Japanese)

3-4. Others (Essays)

Kahoruko YAMAMOTO, 2019-2022, 'Japan and World Viewed through Eastside' in *Bulletin/Geppo* by GVJCCA (The Greater Vancouver Japanese Canadian Citizens' Association). (Japanese) (Monthly)

Kahoruko YAMAMOTO, 2011-2022, 'Migrants in Cinemas' in *Migrants Network* by SMJ (the Solidarity Network with Migrants Japan). (Japanese) (Bimonthly)

<< Shu YAMAMURA >>

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2) Overview of research activities in AY 2022

1. Research on urban industries:

Regarding the theory of "places of knowledge creation" that attract and induce the location of urban industries, I have conducted a literature survey both in Japan and overseas, as well as fieldwork to understand the actual conditions of the best practice cases. The results were presented at the annual conference of the Architectural Institute of Japan in Hokkaido and at the NPI symposium.

2. Research on urban environment and health:

I and my co-researchers conducted a web-based questionnaire survey of workers in the Tokyo metropolitan area to examine the relationship between the urban environment and the mental health of workers. The results were published as a peer-reviewed academic paper in the Journal of the Architectural Institute of Japan. We also conducted a domestic and international literature survey on the relationship between loneliness and the urban environment, and presented the results at a symposium.

3. Research on urban renewal:

I conducted a literature review on the revitalization of stagnant areas on the periphery of urban centers, and analyzed case studies in Japan. The results were presented at international workshops and seminars.

3) List of research results

1. Peer-reviewed papers

- 1) Yu TAKESHITA, Haruhiko GOTO, Shu YAMAMURA, Shota TAKAMINE:
“ASSOCIATION BETWEEN URBAN ENVIRONMENT AND WORKERS' MENTAL HEALTH IN THE TOKYO METROPOLITAN AREA- A cross-sectional study focusing on conditions of place of work, place of residence”, and commuting -, Journal of the Architectural Institute of Japan, Vol. 87, No. 795, pp. 876-886, 2022

2.Others

- 1) Shu YAMAMURA, "Archipelago Urbanism: A Tentative Theory", AIJ Discrete Urbanism Panel Discussion Paper, Hokkaido Science University, pp. 32-55, 2022
- 2) Shu YAMAMURA, "Loneliness and City: Toward an urban planning and design for well-being in a super-aging society", The 15th Anniversary Symposium of the Institute for Advanced Study, Waseda University, 2022
- 3) Shu YAMAMURA, "Energize Industries, Energize Cities: The Role of Urban Space in the Age of the Knowledge Economy", Nakasone Institute for Global Peace, 2022
- 4) Shu YAMAMURA, "Slow Regeneration: Incremental Revitalization of Tokyo's inner-city districts behind the redevelopment boom", Sydney -Tokyo International Workshop on Urban Planning and Design, Western Sydney University Parramatta Campus, 2022
- 5) Shu YAMAMURA, "Community revitalization of inner-city neighborhoods", Gakugei Shuppansha Seminar, Tile Gallery Kyoto, 2022

4. Grants

(MEXT KAKENHI)

- Theorization and systematization of planning methods for a "knowledge-creating place" that fosters urban industry [PI]: Ministry of Education, Culture, Sports, Science and Technology

(Others)

- Development of a Next-Generation "Garden City" Residential Area Model for Symbiosis with Nature [Research Collaborator]: New Energy and Industrial Technology Development Organization (NEDO)