

Kanako Iuchi, Ph.D.

www.kanakoiuchi.com

Current as of March, 2023 (web version)

Associate Professor, International Research Institute of Disaster Science (IRIDeS)
Tohoku University, 468-1 Aramaki Aza Aoba, Aoba Ward, Sendai, Miyagi 980-0845, Japan
Tel +81-22-752-2152; E-mail: iuchi@tohoku.ac.jp

Education

- University of Illinois at Urbana-Champaign. Department of Urban and Regional Planning. 2010. PhD.
Dissertation title: Redefining a place to live: Resettlement decisions, planning processes, and outcomes after a natural disaster
- Cornell University, Ithaca. Department of City and Regional Planning. 2006. MRP (Regional Planning).
Thesis title: Earthquake impact mitigation in poor urban areas: Problems and opportunities in Metropolitan Manila
- University of Tsukuba, Tsukuba, Japan. 1994. College of Policy and Planning Sciences. 1994. BS.
Thesis title: Planning visual signs in cities for elderly

Employment History

Associate Professor

International Research Institute of Disaster Science, Tohoku University, Sendai, Japan. 2013 – present.
Advanced Institute for Disaster Science Research, Tohoku University

World Bank Urban Specialist/Co-Task Team Leader

Financial, Economic and Urban Department, World Bank, Washington DC. 2010 – 2013.

Consultant to International Agencies

World Bank.

Reviewing the Japan-World Bank Program for Mainstreaming Disaster Risk Management in Developing Countries (2021-2022).

Providing writing inputs on Tohoku recovery to the GFDRR global report on Disaster Recovery Experiences and Lessons Learned from the last decade 2010-2020 (2021).

Inter-American Development Bank (IDB).

Developing recovery recommendations on community relocation and local economic revitalization for the 2016 earthquake-affected coastal cities (2018).

Japan International Cooperation Agency (JICA)

Developing recovery master plan from the perspective of hazard sensitive land use after the 2015 Gorkha earthquake as land use planner for the “Project for Assessment of Earthquake Disaster Risk for the Kathmandu Valley in Nepal” (2015, 2016).

Graduate Research and Teaching Assistant

University of Illinois, Urbana-Champaign. Department of Urban and Regional Planning (2006 – 2010).
Cornell University, Ithaca. Department of City and Regional Planning (2004 – 2006)

Disaster management planner/ Urban planner for international agencies

Pacific Consultants International, Tokyo, Japan (1994-2004).

Participated in various planning projects related to disaster management and urban planning for multi- and bi-lateral agencies including the World Bank and Japan International Cooperation Agency (JICA).

Countries of work experience include: Bosnia and Herzegovina, Columbia, Hungary, Indonesia, Japan, Pakistan, the Philippines, Turkey, and Vietnam.

Note: Details of planning projects involved throughout career are provided in the appendix

Academic and other Appointments

Academic Appointments

Northeastern University, Department of Political Science in the College of Social Sciences and humanities, Boston. Visiting Scholar. 2021-2022.

Columbia University, School of International Public Affairs (SIPA), New York. Visiting Scholar. 2018 – 2020.
Department of Science and Technology, Philippines Institute of Volcanology and Seismology (PHIVOLCS), Quezon, Philippines. 2005

Other Appointments

Delft University of Technology: Editorial Board Member for Journal of Delta Urbanism. 2020-current.

World Bank: Interviewer for international recruiting of disaster risk management officers for the headquarters. 2016, 2018, 2021.

Ibashi Japan (Non-profit organization), Co-Director for sustainable community projects in disaster-affected aging regions of Japan, Philippines, and Nepal. 2016-2018

Publications

Peer-Reviewed Publications

Iuchi, K. (2023). Adaptability of disadvantaged coastal communities in post-disaster relocation: A longitudinal study following typhoon Haiyan. *Journal of American Planning Association*.

Iuchi, K., Takagi, H., Jibiki, Y., Kondo, T., Kusunoki, A., Hanifa, N.R., Pelupessy, D., Gayathri, R. T., and Olshansky, R. (2023). Questioning the hazard map-based rebuilding process: Learning from the 2018 Sulawesi earthquake in Indonesia. *Coastal Engineering Journal*. DOI: <https://doi.org/10.1080/21664250.2023.2165430>

Iuchi, K., Jibiki, Y., and Tamayose, B. (2020). Learning from a post-typhoon Haiyan/Yolanda recovery institution (OPARR): a new research agenda for recovery governance. *Journal of Disaster Research*. Vol.15, No.7.

Jibiki, Y., Pelupessy, D., Sasaki, D., and Iuchi, K. (2020). Implementation of Post Disaster Needs Assessment in Indonesia: Literature Review. *Journal of Disaster Research*.

Iuchi, K. and Mutter, J. (2020). Governing community relocation after major disasters: An analysis of three different approaches and their outcomes in Asia. *Progress in Disaster Science Journal*. Volume 6, 100071. DOI: <https://doi.org/10.1016/j.pdisas.2020.100071>.

Jibiki, Y., Pelupessy, D., and Iuchi, K. (2019). Exploratory analysis of the relationship between livelihood disruptions and displacement intentions following a volcanic eruption: A case from the 2014 Mt. Kelud eruption. *Journal of Disaster Research*. Vol. 14, No. 8.

Iuchi, K., Jibiki, Y., Solidum, R., Santiago, R. (2019). *Natural Hazards Governance in the Philippines*. Oxford encyclopedia of natural hazards governance. Oxford University Press. DOI: [10.1093/acrefore/9780199389407.013.233](https://doi.org/10.1093/acrefore/9780199389407.013.233)

Nguyen, D., Imamura, F., and Iuchi, K. (2018). Barriers towards hotel disaster preparedness: Case studies of post 2011 Tsunami, Japan. *International Journal of Disaster Risk Reduction*. Vol. 28, 585-594. DOI: <https://doi.org/10.1016/j.ijdr.2018.01.008>

Inoue, R., Otsu, H., & Iuchi, K. (2018). An analysis on relationship between flood depth and decline in residential property prices after hurricane Sandy. *Journal of Japan Society of Civil Engineers (JSCE)*, 74(4), I_1315-I_1320. (Japanese).

Nguyen, D., Imamura, F., and Iuchi, K. (2017). Public-private collaboration for disaster risk management: A case study of hotels in Matsushima, Japan. *Tourism Management*, 61, 129-140.

Iuchi, K. and Maly, E. (2016). Roles of People, Community and Planning in Recovery After Mega-Disasters: A Symposium Synopsis. *Journal of Disaster Research*, 11(3), 170-174.

Nguyen, D., Imamura, F., and Iuchi, K. (2016). Disaster Management in Coastal Tourism Destinations: The Case for Transactive Planning and Social Learning. *International review for spatial planning and sustainable development*, 4(2), 3-17.

Kure, S., Jibiki, Y., Iuchi, K., and Udo, K. (2016). Overview of Super Typhoon Haiyan and characteristics of human damage due to its storm surge in the coastal region, Philippines. *Journal of Coastal Research*, No.75, pp.1152-1156.

Iuchi, K., Matsumaru, R., and Maly, E. (2015). Community-driven post-disaster rebuilding policy and its relocation patterns: A case study of resettlement after the volcanic eruption of Mt. Merapi in Yogyakarta, Indonesia. *Journal of City Planning Institute of Japan*, 50(3), 431-437 (Japanese).

Maly, E., Iuchi, K. and Nareswari, A. (2015). Community-based Housing Reconstruction and Relocation: REKOMPAK program after the 2010 Eruption of Mt. Merapi, Indonesia. *Institute of Social Safety Science Journal*, Volume 27, 205-214.

Iuchi, K. (2014). Planning resettlement after disasters. *Journal of the American Planning Association*, 80(4): 413-425.

Iuchi, K., Johnson, L., and Olshansky, R. (2013). Securing Tohoku's Future: Planning for Rebuilding in the First Year Following the Tohoku-Oki Earthquake and Tsunami. *Earthquake Spectra*: March 2013, Vol. 29, No. S1, pp. S479-S499.

Iuchi, K. (2010). Reducing vulnerabilities through resettlement planning in disaster-affected communities: Relocation or Repopulation?, *Studies of the University: Research, Counsel, Education (SOURCE) – Publication Series of the United Nations University Institute for Environment and Human Security (UNU-EHS)*, 13/2010.

Iuchi, K. and Esnard, A-M. (2008). Earthquake Impact Mitigation in Poor Urban Areas: The Case of Metropolitan Manila, *Journal of Disaster Prevention and Management*, 17(4),454-469.

Books

Santiago-Fandino, V., Sato, S., Maki, N., & Iuchi, K. (Eds.). (2018). *The 2011 Japan earthquake and tsunami: Reconstruction and restoration insights and assessment after 5 years*. Switzerland: Springer.

Suzuki, H., Cervero, R., Iuchi, K. (2013). *Transforming Cities with Transit: Transit and Land-Use Integration toward Sustainable Urban Development*. Washington DC: The World Bank (Translated into Spanish and Chinese).

Book Chapters

Jibiki, Y., Pelupessy, D., Sasaki, D., Iuchi, K. (2022) Is the Post Disaster Needs Assessment Important to Investment in Disaster Risk Reduction and Climate Change Adaptation? Lessons from Indonesia and the Philippines Based on Literature Review. In: Ishiwatari, M., Sasaki, D. (eds) *Financing Investment in Disaster Risk Reduction and Climate Change Adaptation. Disaster Risk Reduction*. Springer, Singapore. pp.139-154. https://doi.org/10.1007/978-981-19-2924-3_9

Nguen, D., Estiban, M., and Iuchi, K. (2022). Tourism destination resilience to natural hazards: Vulnerabilities, risks, and host-community impact-mitigation strategies. In A. Stoffelen, A. and D. Iannides (Eds.). *Handbook of Tourism Impacts and Impact Assessment*. Edward Elgar Publishing: Cheltenham, England.

Iuchi, K. and Imamura, F. (2021). Rebuilding programs on housing reconstructions and life recovery of communities. In Iokibe, M., Mikuriya, T., Iio, J. (Eds.). *A comprehensive Review: Recovery from the Great East Japan Earthquake and tsunami*. Tokyo: Iwanami Shoten. (Japanese).

Iuchi, K. (2021). Community relocation in recovery. In International Research Institute of Disaster Science, *A Start from the Great East Japan Earthquake – 51 approaches to manage disasters*. Sendai: Tohoku University Press. (Japanese).

Iuchi, K., & Olshansky, R. (2018). Revisiting Tohoku's five-year recovery: Community rebuilding policies, programs and implementation. In V. Santiago-Fandino, S. Sato, N. Maki & K. Iuchi (Eds.), *The 2011 Japan Earthquake and Tsunami: Reconstruction and restoration insights and assessment after 5 years*. Switzerland:

Springer. Pp. 91-111.

Jibiki, Y. and Iuchi, K. (2017). Developing evaluation framework of national level interim reconstruction agencies after mega-disasters: an initial attempt on evaluation by referring to international case. In Yoshihara N., K. Nitakai, and M. Matsumoto (Eds.). *Records of 'restoration' of the Victims' Refugee Lives in the Great East Japan Earthquake*. Rokka shuppan. Tokyo. Pp. 186-204.

Iuchi, K. and E. Maly. (2016). Residential Relocation Processes in Coastal Areas: Tacloban City after Typhoon Yolanda. Chapter 14 in: Sapat, A. and Esnard, A-M. (Eds.). *Coming Home after Disaster: Multiple Dimensions of Housing Recovery*. Routledge: CRC Press. Boca Raton, Fl. Pp. 209-226.

Iuchi, K. (2016). Disaster risk management and its relationship to land use geographies vulnerable to water-related disasters: An analysis of the Japanese legislative system. In Greiving, S., Ubaura, M., and Tesliar, J. (eds.) *Spatial Planning and Resilience following Disasters: International and comparative perspectives*, Bristol: Policy Press. Pp. 19-40.

Iuchi, K. (2016). Planning systems for risk reduction and issues in pre-disaster implementation. In Greiving, S., Ubaura, M., and Tesliar, J. (eds.) *Spatial Planning and Resilience following Disasters: International and comparative perspectives*, Bristol: Policy Press. Pp. 231-255.

Grieving, S., Iuchi, K., Tešliar, J., & Ubaura, M. (2016). Change-proof cities and regions - an integrated concept for tackling key challenges for spatial development. In Greiving, S., Ubaura, M., and Tesliar, J. (eds.) *Spatial Planning and Resilience following Disasters: International and comparative perspectives*, Bristol: Policy Press. Pp. 343-352.

Iuchi, K., Maly, E., and Johnson, L. (2015). Three years after a mega-disaster: Recovery policies, programs and implementation after the Great East Japan Earthquake. In Post-tsunami hazard reconstruction and restoration, ed. by V. Santiago-Gandino, Y. A. Kontar, and Y. Kaneda. London: Springer. Pp. 29-45.

Baeumler, A., Chen, M., Iuchi, K. and Suzuki, H. (2012). "Eco-cities and low-carbon cities: The China context and global perspectives in sustainable low-carbon city development." In Baeumler, A., Ijjasz-Vasquez, and E., Mehndiratta, S (eds). *Sustainable Low-Carbon City Development in China*. Washington DC: The World Bank. Pp. 33-62.

Other Scholarly Publications

Iuchi, K. (2022). Urbanism. Journal of Delta Urbanism, Delft University of Technology, Issue #2

Kondo, T., Iuchi, K., Banba, M., and Maly, E. (2020). Post-disaster land use management after mega coastal disasters: Case studies of Canterbury Earthquake, Hurricane Sandy, and the Great East Japan Earthquake. Reports of the City Planning Institute of Japan, No. 19, May 2020. (Japanese)

Iuchi, K. (2020). Rhetoric of recovering resilient: Unveiling how building back safer transforms into development for prosperity (A case of post-Yolanda rebuilding), Lincoln Institute of Land Policy.

Iuchi, K. and Mutter, J. (2018). Designing coastal resilience in response to disasters: Approaches in Tohoku, New York, and Leyte regions. Korean Society of Hazard Mitigation, 18(5).

Hooimeijer, F., Bricker, J., & Iuchi, K. (2018). An interdisciplinary approach to urban reconstruction after the 2011 tsunami. TU Delft Delta Links, <http://flowsplatform.nl/#/an-interdisciplinary-approach-to-urban-reconstruction-after-the-2011-tsunami-1518706897585>

Imamura, F., Iuchi, K., & Sato, S. (2017). Interviews to the local governments affected by the Great East Japan Earthquake: Higashi Matsushima City. 21st Century Hyogo, Special Edition, 43-51. Hyogo. (Japanese)

Iuchi, K., Maly, E. (2016). Recovery Plans and Progress. Typhoon Haiyan: Report on the ongoing process of building back better. IRIDeS, Sendai, Japan. Pp. 5-11.

Iuchi, K., Maly, E., Izumi, T., and Matsumoto, M. (2015). Paths to "Build Back Better": involvement of local stakeholders in future disaster risk reduction and planning recovery and implementation, Second report of IRIDeS Fact-Finding missions, Philippines. IRIDeS, Sendai, Japan. Pp.114-168.

Iuchi, K. (2011). Thinking of Tohoku – Planning and disaster recovery, Uzo Nishiyama memorial library for

sustainable urban and livings, Summer issue, Seasonal journal. (Japanese)

Iuchi, K. (2010). Local struggles in the midst of international disaster management systems after disasters: the case of Muzaffarabad City in post-2005 Kashmir Earthquake. *The Public Policy Journal of Cornell Institute for Public Affairs*, 13(2).

Iuchi, K. (2004) Resilient Urban Development against Earthquakes in Developing Countries – a reflection from Earthquake Impact Reduction Study for Metropolitan Manila, Republic of the Philippines, *Society of Earthquake Prevention*, 197 (July), 41-46 (Japanese)

Ikenishi, N., Iuchi, K. and Takahashi, R. (2004). Developing Safer Cities Against the Impacts of Earthquakes, Urban Partnerships Foundation, April issue, Occasional Paper 5.

Conference Proceedings

Jibiki, Y., Pelpessi, D., Sasaki, D., and Iuchi, K. (June 2021). How would Post Disaster Needs Assessment (PDNA) affects investments on disaster risk reduction and climate change adaptation? – Literature-based cross analysis on Indonesia and Philippines cases. P.75-78. In *Proceedings of the 22nd JASID Spring Conference* (Japanese).

Maly, E., Sakurai, A., Aure, F., Caintic, M. C. I., and Iuchi, K. (2021). Voices from communities relocated to Tacloban North after Typhoon Yolanda. *IOP Conf. Series: Earth and Environmental Science* 630, 012013. IOP Publishing. doi:10.1088/1755-1315/630/1/012013 (Referred).

Maly, E., Kondo, T., Banba, M., and Iuchi, K. Yokohama (July, 2018). The Role of Residential Buyouts in Post-Disaster Housing Recovery Support: A Comparison of Recent Cases from Japan and the United States. In *Proceedings of the 18th International Planning History Society Conference in Yokohama, Japan*.

Maly, E., Sakurai, A., and Iuchi, K. (2017, November). Evolving relationships of housing and education recovery within large scale residential relocation in Tacloban City after Typhoon Yolanda. In *Proceedings of the 4th ACURD Conference, Sendai, Japan*.

Sato, S., Iuchi, K., Matsumoto, M., and Imamura, F. (2017, September) Pre-survey for Recovery Verification of the Great East Japan Earthquake. In *Proceedings of the 2017 Conference by the Japan Society for Recovery and Revitalization, Kobe, Japan* (Japanese).

Iuchi, K. (2016, June). “Governing community relocation after major disasters: Three different approaches in Japan, Philippines and Indonesia”. In *Proceedings of the 8th National Social Science Congress: Inclusive Governance: Gateways for Sustainable Futures. Batangas, Philippines*.

Iuchi, K. (2014, October). ‘Build back better’ after typhoon Yolanda. In *Proceedings of International Symposium on City Planning: Prospect of Planning for Megacity Region. Hanoi, Vietnam*.

Olshansky, R., Hopkins, L., Chandrasekhar, D. and Iuchi, K. (2009, June). “Disaster Recovery: Explaining Relationships among Actions, Decisions, Plans, Organizations, and People”. In *Proceedings of 2009 National Science Foundation (NSF) Civil, Mechanical and Manufacturing Innovation (CMMI) Engineering Research and Innovation Conference, Honolulu, Hawaii*.

Solidum, R.U. Jr, Bautista, B.B., Santiago, R. J., Segawa, S., Koike, Y., Ikenishi, N., and Iuchi, K. (2004, March). “Evaluation of Seismic Damages and Vulnerabilities of Metropolitan Manila”. In *proceedings of Asia Conference on Earthquake Engineering 2004, Metropolitan Manila, the Philippines*

Commissioned Reports

<International agencies>

“GFDRR global report on Disaster Recovery Experiences and Lessons Learned from the last decade 2010-2020”. Commissioned by the World Bank, Washington DC. 2021.

“Local socioeconomic reactivation after the earthquake – Sharing knowledge from Japan”. Commissioned by the Inter-American Development Bank, Washington DC. 2018.

“Disaster Management Strategy Development”. Commissioned by the World Bank, Washington DC. 2004.

“Earthquake Disaster Impact Reduction Study in Metropolitan Manila, the Republic of the Philippines”. Commissioned by the Japan International Corporation Agency. 2004.

“Study on Disaster Prevention in the Bogotá Metropolitan Area, Colombia”. Commissioned by the Japan International Corporation Agency. 2002.

<Japanese governmental agencies>

“The Great East Japan Earthquake Memory Lore and Validation Study”. Commissioned by the Miyagi Prefecture Government. Sendai, Japan. 2017, 2018. (Japanese)

“A report on recovery status of the Great East Japan Earthquake”. Commissioned by the Reconstruction Agency of Japan, Tokyo. 2017. Online at: http://www.reconstruction.go.jp/topics/main-cat1/sub-cat1-1/20170718_houkokusyo.pdf (Japanese)

<Academic Organizations>

“HFA IRIDeS Review, Preliminary Report: Focusing on 2011 Great East Japan Earthquake”. Commissioned by the International Research Institute of Disaster Science (IRIDeS), Sendai, Japan. 2013.

“The March 11, 2011, Great Eastern Japan (Tohoku) Earthquake and Tsunami: Societal Dimensions”. Commissioned by the Earthquake Engineering Research Institute (EERI). Oakland, California, 2011.

Academic Fellowships, Scholarships and Awards

- 2018 Case Study Awards. On case titled “Rhetoric of recovering resilient: Unveiling how building back safer transforms into development for prosperity (A case of post-Yolanda rebuilding)”, Lincoln Institute of Land Policy and ACSP.
- 2017 Selected for GPEIG Case Study Competition. On case titled “Residential Relocation of Coastal Areas: The Process in Tacloban City after Typhoon Yolanda”, the Global Planning Educators Interest Group (GPEIG) in the Association of Collegiate Schools of Planning (ACSP). Case hosted at <https://www.gpeig.com/case-studies-for-international-planning/>
- 2012 EAP VPU Team Awards on Book Publication “Sustainable Low-Carbon City Development in China”, The World Bank.
- 2011 Outstanding Doctorate Student Award, Department of Urban and Regional Planning, University of Illinois at Urbana-Champaign.
- 2010 ACSP Student Travel Award, Association of Collegiate Schools of Planning (ACSP).
- 2009 Dissertation Fellowships in Hazards, Risk, and Disasters, National PERISHIP Awards (funded by NSF (National Sciences Foundation), the Public Entity Risk Institute and The University of Colorado Natural Hazards Center).
- 2009 Book Fair Publisher Travel Scholarship, Association of Collegiate Schools of Planning (ACSP).

Grants and Funding

External Funding

Note: Japan Society for the Promotion of Science (JSPS) is a Japanese Government Research Agency similar to NSF providing grants to scholars. They are competitive with about 10% of funding rate. Conversion rate adopted here is USD 1= JPY 100.

- 2022 Unpacking the relationship of disaster and climate change investments to social vulnerability and community resilience: The Case of New York (PI: Kanako Iuchi, Co-PIs: Ryo Inoue, Kensuke Otsuyama) (US\$198,900). Duration 2022-2027.
- 2021 Expansion of Pre-Disaster Recovery Planning Theory through a Comparative Study of the U.S. and

- Japan. (PI: Taro Ichiko, Co-PIs: Kanako Iuchi, Elizabeth Maly). Japan Society for the Promotion of Science (JSPS) Grants-in-Aid Grant Number 21K04398. (US\$42,900). Duration 2021-2024.
- 2020 Building a theory on post-disaster relocation from disaster-affected coastal areas: Learning from Typhoon Haiyan and Central Sulawesi Earthquake of 2018. (PI: Kanako Iuchi, Co-PIs: Hiroshi Takagi, Tamiyo Kondo, Yasuhito Jibiki, Ayako Kusunoki). Japan Society for the Promotion of Science (JSPS) Grants-in-Aid Grant Number 20H02320. (US\$162,500). Duration 2020-2024.
- 2020 Revisiting the inter-organizational relationship of disaster management agencies in Indonesia using a case of assessment procedure on estimating financial damage. (PI: Yasuhito Jibiki, Co-PIs: Kanako Iuchi, Daisuke Sasaki). Japan Society for the Promotion of Science (JSPS) Grants-in-Aid Grant Number 20K12340. (US\$44,200). Duration 2020-2022.
- 2017 Creating a resettlement framework towards resilient recovery (PI: Kanako Iuchi). Japan Society for the Promotion of Science (JSPS) Grants-in-Aid Grant Number 16KK0048. (US\$120,000). Duration 2017-2020.
- 2017 Exploring recovery mechanisms of living environment from low frequent mega-risk coastal disasters (PI: Tamiyo Kondo, Co-PIs: Michiko Banba, Elizabeth Maly, Kanako Iuchi). Japan Society for the Promotion of Science (JSPS) Grants-in-Aid Grant Number 17H02070. (US\$175,000). Duration 2017-2020.
- 2017 Systemizing pre-disaster machizukuri methods through Japan-US Comparison. (PI: Taro Ichiko, Co-PIs: Kanako Iuchi, Elizabeth Maly). Japan Society for the Promotion of Science (JSPS) Grants-in-Aid Grant Number 17K06715 (US\$49,400). Duration 2017-2020.
- 2017 Research on distribution methods of localized wooden temporary shelter. (PI: Tsukasa Iwata, Co-PIs: Akira Uchida, Kanako Iuchi, Elizabeth Maly). Japan Society for the Promotion of Science (JSPS) Grants-in-Aid Grant Number 17H03358. (US\$162,500). Duration 2017-2019.
- 2017 Challenging regional disaster management empowerment through subsuming NYMBY facilities (PI: Makoto Okumura, Co-PIs: Miki Murakami, Katsuya Hirano, Kanako Iuchi, Hiroyuki Sasaki). Japan Society for the Promotion of Science (JSPS) Grants-in-Aid Grant Number 17K18944. (US\$65,000). Duration 2017-2019.
- 2016 Understanding resettlement processes for better community rebuilding: Focusing on typhoon Haiyan affected regions (PI: Kanako Iuchi, Co-PIs: Ryo Matsumaru, Aiko Sakurai, Elizabeth Maly, Michio Ubaura). Japan Society for the Promotion of Science (JSPS) Grants-in-Aid Grant Number 16H05752 (US\$121,000). Duration 2016-2020.
- 2016 Integrated study on recovery from the Great East Japan Earthquake – focusing on rebuilding of cities, lives, and livelihoods (PI: Makoto Iokibe, Co-PIs: Takashi Mikuriya, Junichi Hirota, Izuru Makihara, Shosuke Sato, Masahiro Hayashi, Fumihiko Imamura, Yosuke Sunahara, Yousuke Tezuka, Ayako Kusunoki, Kanako Iuchi Fuminori Tamba, Ryota Murai, Masaya Inoue, Yoshiteru Murosaki, and Jun Iio). Japan Society for the Promotion of Science (JSPS) Grants-in-Aid Grant Number 16H03586 (US\$172,000). Duration 2016-2019.
- 2016 Challenges in coastal flood risk reduction - a comparison between the Netherlands and Japan (PI: Hiroshi Takagi, Co-PI: Michiko Banba, Kanako Iuchi). Japan Science and Technology Agency (JST). (US\$20,000).
- 2015 Land use planning in recovery in the project for assessment of earthquake disaster risk for the Kathmandu Valley (PI: Kanako Iuchi). Oriental Consultants Global/Japan International Cooperation Agency (US\$28,920). Duration 2015-2016.
- 2014 Research on resettlement policies and decision making processes of disaster affected communities in Aceh and Yogyakarta (PI: Kanako Iuchi, Co-PI: Ryo Matsumaru, Elizabeth Maly). Japan Society for the Promotion of Science (JSPS) Grants-in-Aid Grant Number 26420597 (US\$45,500). Duration 2014-2017.
- 2013 Resilience against Disasters: Concert Japan Project (EU-Japan Joint project) (PI: Michio Ubaura, Co-PI: Kanako Iuchi). Japan Science and Technology Agency (JST). (US\$50,000). Duration 2013-2015.

- 2013 Evolution of urban regions in response to recurring disasters. (PI: Jeremy Bricker, Co-PI: Kanako Iuchi, Hiroshi Takagi, Ryota Tsubaki, Michiko Banba, Anawat Suppasari, Carine Yi.) Japan Society for the Promotion of Science (JSPS) (US\$50,000). Duration 2013-2015.
- 2009 Academy Grant, 2009 Summer Academy on Social Vulnerability: “Tipping Points in Humanitarian Crises”. (PI: Kanako Iuchi). United Nations University Institute for Environment and Human Security (UNU-EHS) (Funded by Munich Re Foundation).

Internal Funding at Campus on Residence

- 2022 Research on systematic understanding of the coastal spatial formation during the reconstruction period (PI: Kanako Iuchi, Co-PIs: Hiroshi Takagi, Tamiyo Kondo, Yasuhito Jibiki, Ayako Kusunoki). Duration 2022-2023.
- 2015 Program development on recovery support and disaster risk reduction to build back better in the Philippines (PI: Kanako Iuchi, Co-PIs: Elizabeth Maly, Aiko Sakurai, Yasuhito Jibiki, Suichi Kure). Tohoku University (IRIDeS) (US\$40,000). Duration 2015-2016.
- 2014 Symposium on recovery after mega-disasters: People, Community, and Planning (PI: Kanako Iuchi). Tohoku University (IRIDeS) (US\$8,060). Duration 2014-2015.
- 2013 Research on risk-considered rebuilding policies and livelihood recovery process in Tohoku (PI: Kanako Iuchi). Tohoku University (IRIDeS) (US\$20,750). Duration 2013-2015.
- 2013 International comparison on recovery planning and implementation processes after large-scale disasters (PI: Kanako Iuchi). Tohoku University (IRIDeS) (US\$19,000). Duration 2013-2014.
- 2006 University Block Grant, Department of Urban and Regional Planning, University of Illinois
- 2005 International Travel Research Grant, Mario Einaudi Center for International Studies and the International Studies in Planning, Cornell University.
- 2005 DCRP Summer Research Grant, Department of City and Regional Planning, Cornell University

Major Presentations

Keynotes and Invited Presentations

“Challenges and opportunities of academic research on exploring resilience through engineering and sociological solutions” In the Resilience and Disaster Prevention Session, 1st meeting of the integrating knowledge workshop series – co-creating a new value of humanities, social sciences and natural sciences. Center for Research and Development Strategy (CRDS), Japan Science and Technology Agency, December 22, 2021. Tokyo (online).

“Researching recovery: How can long-term ethnographic research contribute to advancing knowledge?” IRCD Researchers Meeting. 45th Annual Natural Hazards Workshop (IRCD Researcher’s meeting), July 14, 2021. Broomfield, Colorado (online).

“Community Relocation after Large-scale Disasters: Reflections on a six-year post-Yolanda rebuilding effort in Leyte”. A Forum on a Resilience Framework for Higher Education Curricula, Research, and Public Service. February, 26, 2020. UP Visayas, Tacloban College, Philippines.

“Looking inside: Rebuilding Safer After the Great East Japan Earthquake and Tsunami of 2011”. Learning from earthquakes. November 21, 2019. Bundung Institute of Technology. Indonesia.

“Two tales of community relocation in Japan: The cases of post-Tohoku 3.11 (2011) and post-Chuetsu earthquake (2004)”. May 30, 2019. I-Show University, Kaohsiung, Taiwan.

“Challenges Ahead: examining recovery actions and outcomes over the eight years past the Great East Japan Earthquake and Tsunami.” May 29, 2019. National Science and Technology Center for Disaster Reduction, Taipei, Taiwan.

“Displacement and recovery in Tohoku”. In a panel Managing Disaster-Related Migration: Lessons from Katrina and Fukushima, July 12, 2017. The 42nd Annual Natural Hazards Research and Applications Workshop, Broomfield, Colorado.

“Sharing disaster management experience through bilateral technical assistance”. International Symposium on Disaster Risk Reduction: Technology and Disaster Management at K-Safety EXPO, November 18, 2016. Gyeonggi, Korea.

“Reconstruction of coastal communities following the 2011 Great East Japan earthquake and tsunami”. Urban planning following disasters. November 7, 2016. Department of Urban and Regional Planning, University of Illinois.

“Build Back Better after typhoon Yolanda: Tacloban’s 3 year effort on coastal rebuilding”. November 7, 2016. Department of Urban and Regional Planning, University of Illinois.

“Variations on recovery processes from the Great East Japan Earthquake and Tsunami”. The 5th Symposium by Kobe University on disaster recovery support and disaster science promotion: to utilize earthquake experiences and knowledge, from Hanshin, GEJE, and Kumamoto, October 3, 2016, Kobe, Hyogo (Japanese)

“Recovering from the 2011 Great East Japan Earthquake and Tsunami in Tohoku”. May 30, 2016. Graduate Institute of Building and Planning, National Taiwan University.

“Governing community relocation after major disasters: Three different approaches in Japan, Philippines, and Indonesia” (Plenary). Disaster Risk Governance: Lessons from Asia, 8th National Social Science Congress, June 15-17, 2016. Batangas City, the Philippines.

“Recovery from natural disasters – an example of recovery planning and implementation: 10 years of New Orleans. Miyagino-ward disaster management seminar. March 16, 2016, Sendai, Japan (Japanese).

“Technical assistance on disaster management through Japanese ODA –A case in the Philippines”. International Symposium on Disaster Risk Reduction: Technology and Disaster Management at K-Safety EXPO, November 27, 2015. Gyeonggi, Korea.

“Land use as a tool for resilient cities – realities and prospects –”. SEES meeting, August 24, 2015, Washington DC, US.

“5th year into rebuilding post-3.11: Planning processes and emerging issues.” US-JAPAN Grassroots Exchange Program Citizen Participation in Community Building Post-Disaster. June 22, 2015, Sendai, Japan.

“Planning systems for risk reduction and issues in pre-disaster implementation”. Scientist Workshop, May 21, 2015, Dortmund, Germany

“Post-earthquake resettlement policies, processes and outcomes of the 2004 Chuetsu earthquake”. 2nd International Symposium on Recovery after Mega-Disasters: People, Community and Planning, the public forum for the UNISDR third world conference on disaster risk reduction. March 16, 2015. Sendai, Japan

“Rebuilding after the Great East Japan Earthquake: Reflecting the 4th year”. Seminar on Disaster and Rebuilding at Columbia University, December 7, 2014, New York, New York.

“Rebuilding after the GEJE: Planning processes and emerging needs at the 4th year into rebuilding”. Int'l seminar on the 10 years commemoration: Towards a resilient maritime nation to natural disasters for ensuring sustainable marine investment and development, November 24-27, 2014. Jakarta, Indonesia

“Comprehensive Risk Appraisal Overview and examples (Japan)”. Increasing the Resilience of our Cities against Disasters – a New Integrated Approach to Spatial Planning, September 18, 2014 in Košice, Slovakia

“Resilience in the face of uncertainty: Is science-based land use sustainable?” Symposium on Sustainable and Resilient Urban Infrastructure, January 17, 2014, Ulsan, Korea

“Disaster risk management and land use in Japan: In geography vulnerable to water-related disasters”. Symposium on Spatial Planning following Disasters, December 12, 2013. Sendai, Japan

“Resettlement decision making processes and community dynamics after disasters”. Forth conference on seismic

disaster management Miyagi. August 2013, Sendai, Japan (Japanese)

“3.11, The Great East Japan Earthquake and the Road to Recovery”. Professional Women’s Group (PWG) of Zurich, April 2011, Washington DC/Zurich.

“Spatial Dimension of Eco2”. In Global Urban Poverty and Population, Catholic University of America, February 2011, Washington DC.

Invited Talks at Campus of Residence

“Supporting disaster reduction and recovery in international settings”. In the IRIDeS 4th symposium on action oriented disaster management research. November 16, 2020. Tohoku University. Sendai, Japan (online).

“Disaster response and recovery support in the United States – how are individuals being supported?”. In the recovery research group session. August 20, 2019. Tohoku University. Sendai, Japan.

“Housing reconstruction and health care in developing world”. In the IRIDeS 2nd symposium on action oriented disaster management research. January 17, 2018, Tohoku University. Sendai, Japan.

“Longitudinal research in international development: Current status of Tacloban City”. In IRIDeS Friday forum. October 27, 2017. Tohoku University, Sendai, Japan.

“Considering 5 years from disasters”. Kobe University, Tohoku University and Tohoku Recovery Consortium Joint symposium: Issues after the recovery mid-point of the Great East Japan Earthquake, January 18, 2015, Sendai, Japan (Japanese)

“Revitalizing local economy with planning”. 1st Workshop organized and sponsored by IRIDeS/Tacloban City: Reflecting on Typhoon Yolanda ~ for saving future lives ~ October 12, 2015, Leyte, Philippines.

“Aceh’s 10 year recovery after the Indian Ocean Tsunami”. 6th lecture series on disaster management culture in Kesenuma. December 20, 2014, Kesenuma, Japan (Japanese)

“Towards “build back better”: recovery efforts after Typhoon Haiyan”, IRIDeS’s public seminar for citizens, July 18, 2014, Sendai, Japan (Japanese)

“Hyogo Framework for Action: Priority Action 1 – Governance (policy base)”, IRIDeS’s public seminar for citizens, July 18, 2014, Sendai, Japan (Japanese)

“Observing resettlement process after disasters: recovery research by ethnographic methods”. IRIDeS, Tohoku University, August 2013, Sendai, Japan (Japanese)

“Influence of planning processes in resettling communities – Government approaches, community processes, and resettlements –. PhD Seminar Series, University of Illinois at Urbana-Champaign, February 2010, Urbana-Champaign.

“Flat lands or mountains? Resettlement decisions of villagers after a devastating disaster”. PhD Seminar Series, University of Illinois at Urbana-Champaign, November 2009, Urbana-Champaign.

“Toward a better resettlement planning for post-disaster communities: Case study of Nijumurago area, Niigata, Japan”. PhD Seminar Series, University of Illinois at Urbana-Champaign, November 2008, Urbana-Champaign.

“Recovering from the 2005 Kashmir Earthquake”. Urban Planning after Disasters Seminar Series, University of Illinois at Urbana-Champaign, April 2007, Urbana-Champaign

Invited Talks to Policy Makers and Practitioners

“Urban transformation with social inclusion: Planning and implementation efforts toward resilient outcomes”. World Bank Seminar: Social inclusion in urban transformation implementations. December 1, 2022 (to Turkish Government). Online.

“Reflecting on evaluating recovery.” Recovery Symposium of the Great East Japan Earthquake – when disasters become everyday events, Miyagi Voice 2022. July 3, 2022, Sendai.

“Communities and spatial redevelopment at the 10th year after the GEJE - What did we learn about rebuilding?” IPPO X 365 X 10 – 10 years from the triple disaster, ArchiPicnic. March 13, 2021 (NY time), online

“Spatial planning and relocation after great disasters – lessons and insights from world-wide experiences –”. Seminar on Spatial Planning and Relocation for Build Back Better (BBB) in Post-Disaster Contexts. December 17, 2019, Jakarta, Indonesia.

“Lessons in Japan on socio-economic reactivation – housing relocation and local level economic activity”. Local socioeconomic reactivation after the earthquake – Sharing knowledge from Japan –. September 11, 2018, Manta, Ecuador.

“5 years to restoration after the Great East Japan Earthquake”. 2nd Working Group Meeting of WG3 on the project for assessment of earthquake disaster risk for the Kathmandu Valley in Nepal, March 1, 2016, Kathmandu, Nepal

“Risk Appraisal in Spatial Planning”. Practitioner Workshop, May 20, 2015, Dortmund, Germany

“Recovering from Disaster: would theory and practice bridge? “Pacific Consultants. October, 2013. Sendai, Japan (Japanese)

Conference Presentations

Iuchi, K. Planning-centered model of community relocation: Lessons learned over 6 years from typhoon Haiyan. 62nd Annual Association of Collegiate School of Planning (ACSP) conference, November 2-5, 2022. Toronto, Canada.

Iuchi, K. Rebuilding for Resilience – Reexamining a 10-Year Planning Process after the Great East Japan Earthquake and Tsunami. 61st Annual Association of Collegiate School of Planning (ACSP) conference, October 7-8, 21-23, 2021 (virtual).

Iuchi, K. Human-centered data for resilience: Perspectives from Japan and the United States. 46th Annual Natural Hazards Workshop, July 11-14, 2021. Broomfield, Colorado (online).

Iuchi, K. and Mutter, J. Exploring the potential of a community co-design framework to address equitable community relocation – an assessment of three relocation cases after large-scale environmental change in Asia. 2nd Managed retreat conference. June 22-25, 2021, Columbia University, New York (online).

Iuchi, K. Long-term community relocation after typhoon Haiyan – Residents’ adaptive and transformative decisions. 60th Annual Association of Collegiate School of Planning (ACSP) conference, November 5-8, 2020, Toronto (online).

Iuchi, K. Post-Disaster Relocation Governance in Three Different Countries in Asia. IRCD Researchers Meeting. 45th Annual Natural Hazards Workshop (IRCD Researcher’s meeting), July 16, 2020. Broomfield, Colorado (online).

Iuchi, K. Resettlement of informal coastal residents after typhoon Haiyan: Communities’ perspective from a five-year ethnographic observation. 59th Annual Association of Collegiate School of Planning (ACSP) Conference, Oct 24-27, 2019, Greenville, South Carolina.

Iuchi, K. Six-Year Rebuilding Effort after Yolanda. Symposium on Yolanda Recovery - Reflections and considerations on the rebuilding process, Eastern Visayas State University. August 1, 2019, Tacloban, the Philippines.

Iuchi, K. and Mutter, J. Unpacking relocation challenges after devastation – an assessment from a governance perspective. At what point managed retreat? Resilience building in the coastal zone. Climate adaptation initiative, Earth Institute | Columbia University. June 19-21, 2019, New York, New York.

Olshansky, R., Johnson, L., Iuchi, K. and Balachandran, B. Recovery After Great Disasters. 2019 National Planning Conference | American Planning Association, April 13-16, 2019, San Francisco, California.

Iuchi, K. Becoming more resilient from future coastal hazards: Land use decisions and implementation mechanisms of tsunami-affected cities of Tohoku. 58th Annual Association of Collegiate School of Planning (ACSP) Conference, October 27, 2018, Buffalo, New York.

Iuchi, K., Maly, E. Dynamics of Large-Scale Resettlement after Coastal Devastation: A Longitudinal Study of Communities in Tacloban, Philippines, after 2013 Typhoon Haiyan. July 12, 2018. 43rd Annual Natural

Hazards Workshop, July 12, 2018. Broomfield, Colorado.

Iuchi, K. Opportunities and constraints of third-sector organizations in post-disaster rebuilding: Learning from the Great East Japan Earthquake recovery. April 10, 2018. American Association of Geographers Conference (AAG), New Orleans, Louisiana.

Inoue, R., H., Iuchi, K. An analysis on relationship between flood depth and decline in residential property prices after Hurricane Sandy. April 12, 2018. American Association of Geographers Conference (AAG), New Orleans, Louisiana.

Iuchi, K. Tohoku and Recurrent Tsunamis. In a panel “Temporality, agency, and migration in the Context of Climate Change”, April 12, 2018. American Association of Geographers Conference (AAG), New Orleans, Louisiana.

Inoue, R., Otsu, H., & Iuchi, K. An analysis on relationship between flood depth and decline in residential property prices after hurricane Sandy (Suigai no shinsuishin to jyutaku torihiki kakaku henka no kankei bunseki – Hurricane Sandy no hisaichi wo taisho ni –) March 7, 2018. 62nd Conference on Water Engineering by the Japan Society of Civil Engineers (JSCE), Okayama Japan (Japanese).

Maly, E., Iuchi, K. Evolving Relationships of Housing and School Recovery within Large Scale Residential Relocation in Tacloban City after Typhoon Yolanda. November 26, 2017. 4th ACURD, Sendai, Japan.

Iuchi, K. Maly, E. 3 years following Typhoon Yolanda: Tracing governments’ rebuilding decisions, actions and community rebuilding status. 57th Annual Association of Collegiate School of Planning (ACSP) Conference, October 14, 2017, Denver, Colorado.

Sato, S., Iuchi, K., Matsumoto, M., and Imamura, F. Pre-survey for Recovery Verification of the Great East Japan Earthquake. (Miyagi-ken deno Higashi Nihon Daishinsai Fukko Kensho ni Muketa jizen chosa.) September 30, 2017, Japan Society for Recovery and Revitalization Conference, Kobe, Japan (Japanese).

Iuchi, K. Challenges of third-sector organizations in post-disaster community rebuilding: Six-year efforts by intermediary organizations after the Great East Japan Earthquake (Poster Presentation). 42nd Annual Natural Hazards Workshop, July 10, 2017. Broomfield, Colorado.

Maly, E., Iuchi, K. Potential for People-Centered Housing Provision in Post-Yolanda Resettlement in Tacloban City, Philippines. "Voice of Place" edra 48 (Environmental Design Research Association) Conference, June 1, 2017, Wisconsin-Madison, Wisconsin.

Iuchi, K. Revisiting Tohoku Recovery: A review of the first five years of rebuilding after the Great East Japan Earthquake and Tsunami. April 10, 2017, American Association of Geographers (AAG), Boston, Massachusetts

Maly, E., Sakurai, A., & Iuchi, K. Modes of resident participation in the housing reconstruction process in Tacloban city, Philippines after 2013 Typhoon Yolanda. Dec. 16, 2016, 10th Conference of the Pacific Rim Community Design Network: Agency and Resilience, Hong Kong

Maly, E., Sakurai, A., & Iuchi, K. Linking housing and school recovery post-disaster: Tacloban after typhoon Yolanda. November 8, 2016. USMCA2016: 15th International Symposium on New Technologies for Urban Safety of Mega Cities in Asia, Tacloban, the Philippines

Iuchi, K. An initial assessment of communities’ adaptive capacity in post-disaster relocation in Tacloban City after 2013 Typhoon Yolanda. 56th Annual Association of Collegiate School of Planning (ACSP) Conference, November 4, 2016, Portland, Oregon.

Maly, E., Sakurai, A., & Iuchi, K. The role of NGOs in post-disaster housing provision for a people centered recovery. September 22, 2016. 11th International Symposium on Architectural Interchanges in Asia (ISAIA 2016), Sendai, Japan

Iuchi, K. Governing post-disaster community relocation in Asia: Learning from three cases after tsunami, storm-surge, and volcanic eruption., July 14, 2016. The 41st Annual Natural Hazards Research and Applications Workshop, IRCD Researchers Meeting (IRCD) Broomfield, Colorado

Iuchi, K. and Maly, E. Relocation dynamics of informal settlers after the 2013 typhoon Yolanda – a two year

report. March 31, 2016, American Association of Geographers (AAG), San Francisco, California

Iuchi, K., Matsumaru, R., and Maly, L. Community-driven post-disaster rebuilding policy and its relocation patterns: A case study of resettlement after the volcanic eruption of Mt. Merapi in Yogyakarta, Indonesia. 50th City Planning Institute of Japan Research Symposium, November 7, 2015, Miyazaki, Japan (Japanese).

Iuchi, K. Relocation in recovery after large scale disasters: Initial effort on coastal relocation in post-Haiyan Tacloban, the Philippines. 55th Annual Association of Collegiate School of Planning (ACSP) Conference, October 22, 2015, Houston, Texas.

Maly, E. and Iuchi, K. Tacloban Post-Yolanda: Unprecedented Post-disaster Housing Relocation. 11th APRU multi-hazards symposium. October 7, 2015, Manila, Philippines

Iuchi, K. and Maly, E. Adopting a community-driven rebuilding program for better relocation post-disaster: A Yogyakarta case study after the volcanic eruption of Mt. Merapi., July 23, 2015. Broomfield, Colorado.

Iuchi, K. Resettling from the 2004 Chuetsu earthquake – Decision making and community cohesiveness. 2014 Asian Network for Public Opinion (ANPOR) Annual Conference, November 30, 2014, Niigata, Japan.

Iuchi, K. ‘Build back better’ after Typhoon Yolanda - Initial planning dialogue on land use and risk after the typhoon of November 2013. The International Symposium on City Planning, November 7, 2014, Hanoi, Vietnam

Finn, D., Iuchi, K. and Olshansky, R. The utility of planning in solving crisis problems: A comparison of government responses to Hurricane Sandy and the Tohoku-oki earthquake. Association of Collegiate School of Planning (ACSP), October 30, 2014, Philadelphia, Pennsylvania.

Iuchi, K. Understanding relationships of risk, land use and time for a planning decision after a major disaster. IRCD Researchers Meeting (IRCD), June 26, 2014. Broomfield, Colorado.

Iuchi, K. Altering “one-size-fits-all” recovery planning in the third year after the Great East Japan Earthquake and Tsunami. 12th International Congress of Asian Planning Schools Association. November 2, 2013. Taipei, Taiwan.

Iuchi, K. and Maly, L. Initial Regional Assessment of Local Recovery Planning in the Tohoku Region after the Great East Japan Earthquake. IRCD Researchers Meeting (IRCD), July 17 2013. Broomfield, Colorado.

Iuchi, K. and Suzuki, H. Promoting compact urban design for cities in developing countries: Issues and opportunities for sustainable development. Montreal Eco City World Summit, August 22-26, 2011, Montreal.

Iuchi, K. The influence of planning processes on community resettlement after disasters. Association of Collegiate School of Planning (ACSP), October 7-10, 2010, Minneapolis.

Hopkins, L. D., Olshansky, R. B., Chandrasekhar, D., and Iuchi, K. How do Organizations Use Plans in Multi-Scale, Spatially Integrated Environments? Association of Collegiate School of Planning (ACSP), October 7-10, 2010, Minneapolis.

Iuchi, K. To relocate or to return? Resettlement decisions of villagers following a devastating earthquake. International Research Committee on Disasters Researchers Meeting (IRCD), July 13 – 14, 2010, Broomfield, Colorado.

Iuchi, K. Understanding key planning decisions and processes for better community resettlement after disasters, poster presentation, Natural hazards center, 2010 annual workshop, July 10 – 13, 2010, Broomfield, Colorado.

Iuchi, K. Understanding a better resettlement planning for disaster-affected communities: Observing resettlement strategies and their impact on resettlement decisions in post-Chuetsu earthquake, Japan. Association of Collegiate School of Planning (ACSP), October 1-4, 2009, Crystal City.

Hopkins, L. D., Olshansky, R. B., Chandrasekhar, D., and Iuchi, K. Using Plans in New Orleans: Interacting Plans, People, and Organizations. Association Collegiate School of Planning (ACSP), October 1-4, 2009, Crystal City.

Iuchi, K. Reducing vulnerabilities through resettlement planning in disaster-affected community: Relocation or

Repopulation? United Nations University 2009 Summer Academy on Social Vulnerability: “Tipping Points in Humanitarian Crises”, July 26 - August 1 2009, Munich, Germany.

Iuchi, K. Earthquake Impact Mitigation in Poor Urban Areas: The Case of Metropolitan Manila. Association Collegiate School of Planning (ACSP), November 2006, Dallas Fort Worth.

Iuchi, K. Evaluation on Urban Vulnerability for Metropolitan Manila – Earthquake Disaster, Japan Society of Civil Engineering (JSCE), September 2004, Hiroshima, Japan

Teaching Experience

Tohoku University

Undergraduate level

Introduction to International Development Planning and Disaster Management (new course developed): held Spring 2014, Spring 2015 and Spring 2017. This course introduces students to the world of international development planning and international organizations involved in disaster management. It covers theories of international development and disaster management in developing countries, as well as international trends about policies, projects and actors related to disaster risk management. Students work in small groups to learn research and collaboration skills, and present knowledge gained.

Science of Disaster Management: held Fall 2015, Fall 2017, Fall 2019, Fall 2020. This course provides students with basic knowledge on disaster management from the perspectives of social science, regional planning, and informatics. Students learn about different types of disasters such as landslides, and responses in urban settings, including those dealing with housing and economic recovery. The history of disasters and recovery efforts in Japan and other countries are presented.

Graduate level

Practical Disaster-Prevention Science VII: held Spring 2014, Spring 2015, Spring 2016 and Spring 2017. This course focuses on the evolution and development of the disaster risk reduction movement. Students learn details about the United Nations policies guiding DRM, including 1994 Yokohama Strategy, 2005 Hyogo Framework for Action (HFA) and 2015 Sendai Framework for Disaster Risk Reduction. Students also learn about the practical work of international development actors to understand complexities of DRM related international work.

Society and Disaster Science: held Fall 2016. This course introduces students to disaster mitigation efforts and necessary disaster responses developed in different disciplines. Different mitigation and response approaches are taught, including hazard mitigation, urban vulnerability assessment, emergency response planning, and evacuation center operation.

Project-based Overseas Learning Class on Disaster Mitigation: held Spring 2015 and Spring 2016. This course is based on fieldwork study in the typhoon affected Tacloban City, Philippines. Students select a topic related to post-Typhoon Haiyan recovery and interview national, regional, local governments as well as affected residents. Through this course, students understand difficulties and complexities of people and communities affected by disasters.

International Lecture on Global Disaster Mitigation I: held Fall 2015 and Fall 2016. This course is taught by several faculty members with various academic backgrounds including engineering (civil, tectonics, tsunami), architecture and planning, and social science. Students learn about various types of disasters that occur world-wide, and how different disciplines are aiming to manage disaster impact reduction.

Lectures at internationally recognized universities

Humanitarian Action (DVM 3108). University of Ottawa, Canada. Lecture on Natural hazards and disasters. 2022.03.15 (Gibb, Christine. online)

Humanitarian Action (DVM 3108). University of Ottawa, Canada. Lecture on Natural hazards and disasters. 2021.02.24 and 2021.02.26 (Gibb, Christine. online)

Global Changes and Society (SUST 6000). University of Utah, US. Lecture on “Environmental change and community relocation” 2021.02.09 (Dovick, Meghan. online).

Infrastructure and Environment Design. AR 086 (and Module AR 93). Delft University of Technology (TU Delft), Netherlands. Lecture on “Rebuilding from the 3.11 Tsunami – Planning concept, decisions, and current status –”, 2020.4.28. (Hooimeijer, Fransje. online)

Resilient States, NYC Program Online Summer Studio. ARC 407/408/609, M702. Syracuse University School of Architecture, USA. Lecture on “After the Great Tsunami of 2011: Planning rationales, implementation, and current status toward a ‘safer’ space”, 2020.6.18. (Chester, Amy. online)

Professional Webinars

APRU multi-hazards summer lecture series. Iuchi, K. “Hazard-sensitive city planning in the era of climate change” 2022.7.29. (online)

APRU Multi-Hazards Webinar Series: 10 years after the Great East Japan Earthquake and Tsunami: Insights and perspectives based on science and experience. Iuchi, K. “Reflections at the 10th year after the GEJE: What did we learn about rebuilding?” 2021.3.12. (online)

Unique Challenges on Build Back Better for Community Resilience after the Palu Earthquake Webinar. Olshansky, R.; Iuchi, K., Naeem, G.; and Hanifa, R. Findings from the 2019 November reconnaissance (EERI:LFE program). Bundung Institute of Technology and BAPPENAS. 2020.10.06. (online)

Learning from Earthquakes Webinar. Olshansky, R.; Iuchi, K., Naeem, G.; and Hanifa, R. Preliminary Observations and Findings from the EERI Palu, Indonesia Earthquake and Tsunami Resilience Reconnaissance Team. Earthquake Engineering Research Institute (EERI). 2020.5.20. (online)

Lectures to overseas professionals

2021.6 Non-Structural Earthquake Disaster Mitigation in Japan (to students of the Indonesia Defense University, under Ministry of Defense of the Republic of Indonesia on program called: Kuliah Kerja Luar Negeri (Overseas Study Visit)).

2019.9 Recovering from the 2011 Great East Japan Earthquake and tsunami in Tohoku (to World Bank officials from the headquarters and Tokyo office)

2016.7 Recovering from the 2011 Great East Japan Earthquake and tsunami in Tohoku (to Filipino junior government officials with Japan International Cooperation Agency (JICA) program)

2016.3 Land use control and emerging challenges after the Great East Japan Earthquake and Tsunami (to Nepalese government officials with JICA program)

2014.8 Japanese Research Institutes and Post-GEJE rebuilding effort (to Indonesian government officials with JICA program)

2014.5 Policy and Planning for Rebuilding after GEJE and Tsunami (to World Bank headquarter officials)

2014.3 “Build back better” for whom? Overview of planning processes and rebuilding status after 3.11 (to the Office of the Presidential Assistant on Recovery and Rehabilitation (OPARR) in the Philippines)

2014.2 Social sciences for resilient societies (to World Bank GFDRR officers)

2013.9 Planning for rebuilding – Japanese and US efforts after mega-disasters (to Myanmar government officials with JICA program)

Cornell University

Introduction to Geographic Information System (CRP4080/5080). 2006 Spring

Organized 3 hour weekly lab sessions to 20 graduate and undergraduate students, and graded homework assignments and exams as a graduate teaching assistant.

Seminar in Regional Science (CRP 8300), 2005 Spring.

Organized and run weekly regional science seminar with Prof. Walter Issard and Prof. Sid Salzmann as a graduate teaching assistant.

International Planning and Development Workshop (CRP5076), 2004 Fall

Organized three-group workshops on development of Rouse, Romania, held twice a week with Prof. David B. Lewis as a graduate teaching assistant.

Service and Other Activities

Conference Committee Activities

- Natural Hazards Research and Application Workshop, Organizing Committee, member (2020)

University Committee Activities

- Information Disclosure Review Committee, member (2019-ongoing)
- Gender equal opportunity committee, Tohoku University, member (2022-ongoing; 2017-2018).
- Internal Review Board Committee for research, Tohoku University, member (2015-2018)
- Newsletter working group, public relations committee, Tohoku University, Chair (2013-2017).
- Domestic and international public liaisons committee, Tohoku University, Member (2013-ongoing)
- Doctoral Students in Urban Planning (DSUP), University of Illinois at Urbana-Champaign, Social Chair (2007-2009).

Technical Service

- Reassessing cooperation on earthquake disaster reduction and strategizing future priority measures. Japan International Cooperation Agency, committee member (2021-ongoing)。
- Project on comprehensive understanding on the impact of mental health care support in the three affected prefectures of Tohoku (Ministry of Health, Labor and Welfare. Committee member (2020-2021)..
- Study on supporting approach in disaster recovery. Japan International Cooperation Agency, Advisor (2013-2015).
- Advisory panel for metropolitan Bordeaux, International Urban Development Association, Panel (2010).
- International Activities Committee, Japan Society of Civil Engineers, Member (1999-2001).

Conference & Symposium Organizations

- 2017 - Founder and Organizer of Disaster Risk Reduction (DRR) Colloquium at IRIDeS. Hosting annually.
- 2019 Organizer, World Bosai Forum: Session O2-24. Is relocation an effective solution to increased coastal community resilience? Sharing international perspectives. November 11, 2019. Sendai, Japan.
- 2019 Organizer, World Bosai Forum: Session O2-1. Local production for local protection (Chisan Chibo) – Proposing standardized local-level bosai operations from Tohoku/Sendai. November 11, 2019. Sendai, Japan.
- 2018 Co-Organizer, World Bosai Forum: Session 42. Engineering a Solution for Disasters: The Promise of Resilient Infrastructure, organized by the World Bank and IRIDeS, November 27, 2017. Sendai, Japan.
- 2017 Co-Organizer, Bosai Forum: Session 42. Engineering a Solution for Disasters: The Promise of Resilient Infrastructure, organized by the World Bank and IRIDeS, November 27, 2017. Sendai, Japan.
- 2016 Co-Organizer, The 10th Disaster Risk Management Seminar organized and sponsored by the World Bank and IRIDeS: Resilient Reconstruction in Nepal - Transforming Risks to Resilience, April 26, 2016, Tokyo, Japan
- 2015 Organizer, Workshop on recovery processes: reflecting on post GEJE and Gorkha earthquake, March 22, 2015, Sendai, Japan
- 2015 Organizer, 1st Workshop organized and sponsored by IRIDeS/Tacloban City: Reflecting on Typhoon Yolanda ~ for saving future lives ~ October 12, 2015. Tacloban, Philippines.
- 2015 Organizer, 2nd International Symposium on Recovery after Mega-Disasters: People, Community and

Planning, the public forum for the UNISDR third world conference on disaster risk reduction. March 16, 2015. Sendai, Japan

2013 Organizer, International Symposium on Recovery after Mega-Disasters: Symposium on Spatial Planning Following Disasters. December 12, 2013. Sendai, Japan

Referee activities (alphabetical order)

Journal of American Planning Association

Journal of Disaster Medicine and Public Health Preparedness

Journal of Disaster Research

Global Environmental Change

Journal of Housing and the Built Environment

Journal of Japan Society of Natural Disaster Science

Journal of Social Safety Science

Journal of the City Planning Institute of Japan (Japanese)

International Journal of Disaster Risk Reduction

International Journal of Disaster Risk Science

International Journal of Emergency Management

International Journal Sustainable Future for Human Security

Natural Hazards Journal

Natural Hazards Review Journal

Public Administration Review

Risk Analysis

Urban and Regional Planning Review

World Development

Media activities and contributions

- “Walled off” by Michael Fitzpatrick. Planning Magazine, Planning Magazine Summer 2021. July 1, 2021. Interview, documents and picture contributions.
- “10th anniversary of the Great East Japan Earthquake and Tsunami”. Asian View, NHK World, aired March 5, 2021
- “Rebuilding effort after natural disasters: Tacloban and Tohoku’s effort”. Radio aired on August 4, 2019, BOMBO RADYO TACLOBAN
- “Research activities in Leyte after Yolanda”. Radio aired on August 4, 2019, BOMBO RADYO TACLOBAN, Tacloban, the Philippines.
- “Research conducted in the international resiliency lab”. Radio aired on February 1, 2015, DATE FM, Sendai, Japan (Japanese)
- “How do we adopt future risk in recovery?” Radio aired on February 15, 2015 DATE FM, Sendai Japan
- “Defining disaster risks: building a consensus in communities”. In Kahokushimpo newspaper on January 11, 2015

Appendix: Professional experience and responsibilities

Consultant. The World Bank. Global Facility for Disaster Risk Reduction. Tokyo, October, 2021-March 2020

Reviewing the first two phases of Japan-World Bank Program for Mainstreaming Disaster Risk Management in Developing Countries conducted between 2014-2025. Advising the evaluation team from disaster risk management (DRM) perspective. Conducting interviews to key personnel.

Research Consultant. The World Bank. Global Facility for Disaster Risk Reduction. Tokyo, June, 2021

Researched 10-year Tohoku recovery on evolution, financial arrangement, and implementation procedure of Reconstruction Agency (RA), efforts on green infrastructure reconstruction recovery, and community participation and inclusion as an input to the GFDRR's global report on Disaster Recovery Experiences and Lessons Learned from the last decade 2010-2020.

Consultant (Planning after disasters). Inter-American Development Bank (IDB). Environment, Rural Development and Disaster Risk Management Division. Washington DC, U.S.A. September 2018

Sharing Japan's knowledge and experience on community rebuilding after the Great East Japan Earthquake and Tsunami, to tsunami affected coastal cities in Ecuador from the 2016 earthquake. Focused on opportunities and constraints of community relocation and fisheries/tourism reactivation, to re-boost and sustain the local economy.

Land use planner. Japan International Cooperation Agency (JICA). Tokyo, Japan. 2015-2016

Participated in the "Project for Assessment of Earthquake Disaster Risk for the Kathmandu Valley in Nepal". Engaged in developing recovery master plan from the perspective of hazard sensitive land use after the Gorkha earthquake on April 25, 2015.

Urban Specialist, Co-Team Leader. The World Bank, Washington DC, USA. Finance, economic and urban department (FEU). 2011-2013.

Conducted a research project "Integrated Spatial Development Study" to develop a framework and recommendations for promoting connecting/integrating transit services and urban form for growing cities in the developing region.

Urban Specialist. The World Bank, Washington DC, USA. Finance, economic and urban department (FEU). 2010-2013

Member of the ECO2 cities group in Financial, Economic and Urban Department (FEU), which aims to disseminate greater ecological and economic sustainability of cities in developing countries. Participated and organized the ECO2 Yokohama Conference (October 2010) focusing on urban upgrading experiences of cities from both industrialized and developing countries; and has been involved in the Indonesian pilot project of ECO2 program as well as planning development strategy for the city of Bordeaux, France, through provision of recommendations and suggestions to local governments (e.g. Jakarta and Surabaya for Indonesia and Bordeaux for France), on adaptation of ECO2 principles.

Planner. Japan International Cooperation Agency (JICA). Tokyo, Japan. 2007, 2008.

Participated in "The Study on Natural Disaster Management in Indonesia, Republic of Indonesia". Engaged in planning process of institutionalization on disaster management administration for Indonesian central government (BAKORNAS BP); and implemented key informant surveys at Jember locality in West Java province and Pariaman locality in Padang Pariaman Province, to primarily understand the impact of decentralization on urban and disaster management.

Planner. Japan International Cooperation Agency (JICA). Tokyo, Japan. 2006, 2007.

Participated in the “Integrated Urban Disaster Management Project in Jakarta Metropolitan Area, Republic of Indonesia,” funded by Japan Bank for International Cooperation (JBIC), currently JICA. Urban community enlightenment activities for resilience; on-site community survey and organized workshops; developed recommendations.

Urban Planner. Japan International Cooperation Agency (JICA). Tokyo, Japan. 2006.

Participated in “The Urgent Development Study on Rehabilitation and Reconstruction in Muzaffarabad City, the Islamic Republic of Pakistan”. Engaged in recovery planning for livelihood restoration of earthquake-affected areas in Muzaffarabad City; and held community workshops for promoting preparedness.

Urban Planner. Japan International Cooperation Agency (JICA). Tokyo, Japan. 2005, 2006.

Participated in “The Comprehensive Urban Development Programme in Hanoi Capital City, Vietnam”. Assessed and evaluated urban living conditions in the capital city Hanoi by the GIS; and engaged in policy making of sustainable urban development.

Planner. The World Bank, Washington DC, USA. 2004.

Participated in the “Project Preparation for Marmara Earthquake in Istanbul Area, Turkey”. Collected and evaluated basic data on organizational and institutional systems for emergency response and capabilities on implementation.

Disaster management planner. The World Bank, Washington DC, USA. 2004.

Member of a project named “Disaster Management Strategy Development, Republic of the Philippines”. Collected and analyzed data on Philippine earthquake occurrence and its impact on their cities; developed policy/strategies for resilient urban form and society.

Urban/social planner. Japan International Cooperation Agency (JICA). Tokyo, Japan. 2002-2004.

Engaged in a project named “Earthquake Disaster Impact Reduction Study in Metropolitan Manila, Republic of the Philippines”. Analyzed urban vulnerability to earthquake, complemented by a Geographic Information System (GIS); crafted urban development plan and policies to mitigate earthquake impacts.

Planner. Japan International Cooperation Agency (JICA). Tokyo, Japan. 2002.

Participated in a project named “Utilization of Japanese Local Development Activities (chiiki-okoshi) in Developing Countries”. Interviewed key Japanese organizations and personnel leading local development to understand key components for good practice; and analyzed and evaluated possible application of local development methodologies to developing countries.

Urban Development Planner. Japan International Cooperation Agency (JICA). Tokyo, Japan. 2001-2002.

Engaged in the “Study on Disaster Prevention in the Bogotá Metropolitan Area, Colombia”. Analyzed urban vulnerability against natural disasters (earthquake, flood, and landslide), complemented by GIS; facilitated community based disaster management activities in the less financially privileged communities; recommended sustainable urban development and community development plan to mitigate disaster impacts in the metropolitan region.

Land use planner and project coordinator. Japan International Cooperation Agency (JICA). Tokyo, Japan. 2000.

Member of a project named “Study on Transportation Master Plan, Bosnia and Herzegovina”. Reviewed ex-ante and post-conflict land use and land use plans; and coordinated between the government of the Federation of Bosnia and Herzegovina and the Republic of Srpska, and JICA headquarters.

Urban Planner. The World Bank, Washington DC, USA. Tokyo, Japan. 1999

Participated in a project named “Urban Development Strategy and City Assistance Program in East Asia”. Collected information related to city performance indicators of cities included in the program; coordinated, organized and prepared a conference in Fukuoka, for city participants from five East Asian countries.

Urban Planner and Project Coordinator. Japan International Cooperation Agency (JICA). Tokyo, Japan. 1997.

Member of a project named “Lake Balaton Environmental Improvement Project, Hungary”. Reviewed land use control systems and land use; and coordinated between JICA headquarters and team.

Market Analyst and Business Operation Manager. Pacific Consultants International (PCI). Tokyo, Japan. 1994-2000.

Analyzed development trend of international organizations, state governments, and development projects; marketed, researched, and prepared technical and financial proposals for more than 200 projects worldwide; and monitored on-going development projects implemented under PCI group.