Curriculum Vitae

Name: Tadashi Nakasu, Ph.D.

Address: Visid Prachuabmoh Building, Chulalongkorn University, Bangkok, 10330, Thailand

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Main Research Topics

Disasters and Local Communities, Development-Environment-Disasters Nexus,
Disaster Resilience in Industrial Complex Areas, Disaster Resilience in an Ageing Society

Professional Career

Apr.2015-Present: Researcher, Professional Level, College of Population Studies (CPS), Chulalongkorn Univ. (Sep.2016- Sep.2021 Academic Researcher, Apr.2015-Aug.2016 Post-doctoral Fellow and Adjunct Lecturer)
July. 2022-Sep.2022: Independent Evaluator for "Implementation of the Asia-Pacific Plan of Action on Space Applications for Sustainable Development (2018-2030) in its Phase I (2018-2022)", United Nations ESCAP
Apr.2018-Oct.2018: External Evaluator for the Project: Strengthening Multi-Hazard Risk Assessment and Early Warning Systems with Applications of Space and Geographic Information Systems in Pacific Countries, United Nations ESCAP.
Jun. 2017: Invited Visiting Scholar, Rikkyo University, Tokyo, Japan
Oct.2013-Mar.2015: Principal Research Fellow, National Research Institute for Earth Science and Disaster Prevention, Japan (Oct.2013-Mar.2014 Research Fellow)
Jun. 2010-Sep.2013: Research Specialist, ICHARM (International Centre for Water Hazard and Risk Management), PWRI (Public Works Research Institute), under the auspices of UNESCO, Japan
Apr. 2005-May 2010: Senior Officer, National Research Institute for Earth Science and Disaster Prevention, Japan（Apr.2006-Mar.2008 Senior Staff Apr. 2005- Mar.2006 Technical Staff）
Apr. 2010-Oct. 2010 : Adjunct Instructor, Meiji Gakuin Univ.
Sep. 2009-Mar.2010 : Adjunct Instructor, J.F.Oberlin Univ.
Apr. 2007-Sep.2009: Adjunct Instructor, Jissen Women's College
May.2006-Mar.2007: Visiting Researcher, Chuo Univ.
Sep. 2001-Mar.2005: Scholarship Recipient from Konosuke Matsushita Memorial Foundation (Panasonic Corporation) , Center for Social Development Studies, Chulalongkorn Univ., Thailand
Jun.-Aug. 1999: Short Contract Researcher, Japan International Cooperation Center (working at Jica Office)
Apr. 1992-Feb. 1996: Marketing and Tour Coordination, Kintetsu International (Kinki Nippon Tourist Co., Ltd), Japan

Educational Background

2014 Ph.D. (Only Dissertation: Doctor of Philosophy: Policy Studies), Iwate Prefectural University
1999-2005 Doctoral Program with the Completion of Course Requirements in Sociology, Tokyo Metropolitan University, Tokyo, Japan.
1997-1999 MA in Education, International Christian University (ICU), Tokyo, Japan.
1988-1992 BA in Fisheries, Hokkaido University, Hokkaido, Japan.

Certification

2009 Professional Social Researcher (001557) certified by the Japanese Association for Social Research, Japan (Oct. 2009-)

2020 WHO（World Health Organization）Healthy Ageing for Impact in the 21st Century Global Online Leaders Training, 14 Sep. 2020 -22 Dec. 2020, Completed (Certified)

Main Project Engagement (Since 2010)

2023 An External Evaluator, UN/ESCAP project, "Improving the Use and Sharing of Geospatial Information for Resilient and Sustainable Development in Selected Pilot Countries."United Nations ESCAP (In Progress)

2022 An Independent Evaluator, UN/ESCAP "Implementation of the Asia-Pacific Plan of Action on Space Applications for Sustainable Development (2018-2030) in its Phase I (2018-2022)" United Nations ESCAP

2018-2023 A project manager in Thailand, The project on regional resilience enhancement through the establishment of Area-BCM at industry complexes in Thailand, SATREPS(Japanese government ODA) program (https://area-bcm.info/researchers/)

2018-2019 National Taiwan University and University of Potsdam KLASICA Alliance Project URL: https://klasica.org/ (Disaster research contribution)

2018 An External Evaluator, Strengthening Multi-Hazard Risk Assessment and Early Warning Systems with Applications of Space and Geographic Information Systems in Pacific Island Countries, UN/ESCAP project.

2018 EU Joint Research Centre, Kyoto University, Osaka University, University of Bologna Netech Accident Project (Thai case contribution)
URL:https://www.researchgate.net/project/Natech-Symposium-on-Natech-Risk-Reduction-at-Large-Industrial-Parks

2017-2018 University of Shanghai, Asian Demographic Research Institute Population Predictions of the Countries based on the Sub-Regional Data
URL: http://adri.shu.edu.cn/ (with Dr.Elke Loichinger (a leader from Thailand))

2014-2017 Research member, JST(Japan Science and Technology Agency)RISTEX FUND "Creating Safer Communities" Development of LODE methods for enhancing disaster management capabilities in an urban community, Research member

2014-2015 Research member, The Project for Research and Development for Reducing Geo-Hazard Damage in Malaysia caused by Landslide and Flood, SATREPS(Japanese government ODA) program

2013-2015 Secretariat Work with Research, Research Project for Assisting Local Disaster Management (MEXT (Ministry of Education, Culture, Sports, Science & Technology in Japan) Project)

2011-2013 Secretariat Work with Research, Forensic Investigation of Disaster Risk (FORIN) Project, Integrated Research on Disaster Risk (IRDR) <International Coucil of Science (ICSU)-International Social Science Council (ISSC)- United Nations Office for Disaster Risk Reduction(UNDRR)>-Japan

2011-2013 Lead Researcher for a PWRI(Public Works Research Institute) Project "Chain Reactions Analysis for Damaged Industrial Parks in Thailand caused by Chao Phraya River Flood"

2010-2012 Project Leader for WGH (Working Group Hydrology) project, Development of Flood Disaster Preparedness Indices, Typhoon Committee (WMO/UNESCAP)

2010-1012 Research member for a PWRI Project "Assessment for Specific Vulnerable Area caused by the Impact of Climate Change" (MEXT (Ministry of Education, Culture, Sports, Science & Technology in Japan)Project)

Awards

2014: 2nd prize for a poster presentation, Society for Risk Analysis-Asia Conference, Taipei, 23 Aug.2014 "An Integrated Approach for Assisting Local Disaster Preparedness through Web Service: How to combine research findings with local disaster management" (Tadashi Nakasu, Hitoshi Taguchi, et.al)

Peer Review Work

Reviewer for International Journals (Main)

2024 2 manuscripts-"International Journal of Disaster Risk Reduction"

2023 "Environmental Impact Assessment Review"
"Heliyon"
"International Journal of Geo-Information"
8 manuscripts-"International Journal of Disaster Risk Reduction"
"International Journal of Disaster Risk Science"

2022 2 manuscripts-"International Journal of Disaster Risk Reduction"
2 manuscripts-"Progress in Disaster Science"

2021 "International Journal of Disaster Resilience and Built Environment"
"International Journal of Disaster Risk Science"
2 manuscripts-"Progress in Disaster Science"

2020 "Journal of Disaster Research"
"Environmental Hazards"
3 manuscripts- "International Journal of Disaster Risk Reduction"

2019 "Progress in Disaster Science"
"International Journal of Disaster Risk Reduction"

2018 "Journal of Disaster Research"

2017 "International Journal of Disaster Risk Reduction" (SCOPUS listed International Journal)

2016 "World Development"

2014-2015

Editorial Board Member for Journal of Japan Association for Earthquake Engineering (JAEE) Special Issue

List of Publications

Research

a. Research Articles in Journals (Scopus, ISI, Science Direct)

1. Nakasu, T. (2023). Disasters of global interdependences: lessons learned from the worst typhoon disaster in Japan. Environmental Development and Sustainability. https://doi.org/10.1007/s10668-023-04305-7
2. Nakasu, T., & Amrapala, C. (2023). Evidence-based disaster risk assessment in Southeast Asian countries. Natural Hazards Research. https://doi.org/10.1016/j.nhres.2023.04.001 (in press)
3. Duangkaew, S., Bhula-or, R., Anantsuksomsri, S., Nakasu, T., Positlimpakul, K., & Prathumchai, K. (2022). Exploring Well-Being in the Work and Livelihoods of Local People During the 2011 Flood in Thailand. Journal of Disaster Research, 17(6), 889-900.
4. Nakasu, T., Nonaka, S., Duangkaew, S., Prathumchai, K., Kodaka, A., & Miyamoto, M. (2022). Risk Narratives for Enhancing Regional Resilience: Constructing Evidence-Based Flood Disaster Response Scenarios. Journal of Disaster Research.
5. Nakasu, T., Bhula-or, R., Anantsuksomsri, S., Duangkaew, S., Positlimpakul, K., Patumchai, K., & Kawasaki, A. (2022). Measuring Capacity and Protecting Community: Strengthening Regional Resilience in the Flooded Industrial Area in Thailand. International Journal of Disaster Resilience and Built Environment.
6. Nakasu, T. (2021). A Fundamental Vulnerability-Contributions from Population Studies-. Special edition on GEJET disaster. Journal of Disaster Research, pp. 936-941.
7. Nakasu, T., & Kurahara, M. (2021). A comparative analysis of large-scale flood disasters. Nat Hazards. https://doi.org/10.1007/s11069-021-04514-1
8. Nakasu, T., Miyamoto, M., Bhula-or, R., et al. (2020). Finding the Devastating Economic Disaster's Root Causes of the 2011 Flood in Thailand: Why did Supply Chains Make the Disaster Worse? Journal of Disaster Research, 15(5), 556-570.

9. Nakasu, T., Ono, Y., & Pothisiri, W. (2018). Why did Rikuzentakata Have a High Death Toll in the 2011 Great East Japan Earthquake and Tsunami Disaster? Finding the Devastating Disaster's Root Causes. International Journal of Disaster Risk Reduction, 27, 21-36. ELSEVIER.
10. Nakasu, T., Ono, Y., & Pothisiri, W. (2017). Forensic Investigation of the 2011 Great East Japan Earthquake and Tsunami disaster: a case study of Rikuzentakata. Journal of Disaster Prevention and Management, An International Journal, 26(3), 298-313. Emerald.
11. Okazumi, T., & Nakasu, T. (2015). Lessons Learned From Two Unprecedented Disasters in 2011- Great East Japan Earthquake and Tsunami in Japan and Chao Phraya River flood in Thailand. International Journal of Disaster Risk Reduction, pp. 200-206. ELSEVIER.
12. Osti, R., & Nakasu, T. (2014). Lessons learned from southern and eastern Asian urban floods: from a local perspective. Journal of Flood Risk Management, 9(1), 22-35. Wiley.
13. Matsumoto, H., et al. (2009). Review of Tide Gauge Records in the Indian Ocean. Journal of Earthquake and Tsunami, Vol. 3, No. 1, pp. 1-5. World Scientific Publishing Company.

b. Conference Papers

1. Nakasu, T., Bula-or, R., Anatsuksomsti, S., & Positlimpakul, K. (2020). Social Vulnerability Changes and Sustainable Development in the Flooded Industrial Complex Area. In The 2nd Multidisciplinary International Conference on Humanities (ICH 2019): Innovation and Transformation in Humanities for a Sustainable Tomorrow (pp. 239-257). Social & Behavioural Science, The European Proceedings, Future Academy.

2. Goto, Y., & Nakasu, T. (2017). Human Vulnerability Index for Evaluating Tsunami Evacuation Capability of Communities. In Proceedings of the 16th World Conference on Earthquake Engineering, Chile.
3. Nakasu, T., & Prachuabmoh, V. (2017). Disaster Resilience in an Aging Society. In ISESEA-6 (6th International Symposium on Environmental Sociology in East Asia), Taipei, Taiwan (with conference paper).
4. Nakasu, T. (2017). Natural Disasters and Disaster Management in Thailand: Status, Risks, and Trends. In 13th International Conference on Thai Studies, Chiangmai, Thailand (with conference paper).

c. Research Reports

1. Nakasu, T. (2011). The Exacerbation of Human Suffering and Disaster Response Caused by Tropical Storm Ondoy and Typhoon Pepeng Disasters: Cases of NCR and Baguio City. Natural Disaster Research Report of NIED, 45, 97-104.
2. Sato, T., & Nakasu, T. (2011). 2009 Typhoon Ondoy Flood Disasters in Metro Manila. Natural Disaster Research Report of NIED, 45, 63-74.
3. Inokuchi, T., Nakasu, T., & Sato, T. (2011). Landslide Disaster around Baguio City caused by Typhoon Pepeng in 2009. Natural Disaster Research Report of NIED, 45, 35-42.
4. Nakasu, T., Sato, T., et al. (2011). Typhoon Ondoy and Pepeng Disasters in the Philippines. Natural Disaster Research Report of NIED, 45, 9-16.
5. Nakasu, T. (2009). Disaster Recovery of an Urban Area: A Comparative Study between Nagoya City and New Orleans. Report of NIED the Special Issue, 69-82 (in Japanese).
6. Nakasu, T., & Kaminaga, Y. (2009). Typhoon Isewan Disaster and Global Environmental Issues: Driftwoods Damage and Environmental Social System. Report of NIED the Special Issue, 41-50 (in Japanese).
7. Nakasu, T. (2009). Tsunami Disaster Mitigation Consideration: The Social Perspective of Tsunami Disasters. Estimating the Recurrence Interval and Behavior of Tsunamis in the Indian Ocean via a Survey of Tsumami-related Sedimentation, NIED-UN/ISDR, 59-61.
8. Watanabe, A., Nakasu, T., & Inokuchi, T. (2011). Representations over a Tropical Storm Disaster and the Restoration of Everyday Lives for Urban Poor Victims in the Philippines: The Case of Typhoon Ondoy. Natural Disaster Research Report, 45, 81-86.
9. Nakasu, T. (2006). Expansion Process of Human Damages Caused by Hurricane Katrina: A Case of New Orleans. Natural Disaster Research Report of NIED, 41, 55-69 (in Japanese).
10. Nakasu, T. (2005). Social Gap and Human Damage Caused by Natural Disasters - Focus on the Damage in Thailand Caused by Indian Ocean's Tsunami. Report of NIED, 69, 7-16 (in Japanese).

Book, Book Chapter, Encyclopedia Term

1. Nakasu, T., Duangkaew, S., Amrapala, C., Bhunia, G. S., Setiawati, M. D., Shaw, R., Banerjee, S., & Chatterjee, U. (2023. Developing Methods for Building Sustainable Communities in Flooded Industrial Complex Areas. In Climate Change, Community Response, and Resilience: Insight for Socio-Ecological Sustainability. Elsevier.
2. Sasaoka, M., & Nakasu, T. (2023). Environmental Sociology Trends in Southeast Asia. In Japanese Association for Environmental Sociology (Ed.), Encyclopedia of Environmental Sociology. Tokyo: Maruzen Publishing Co., Ltd. (in Japanese)
3. Nakasu, T. (2018). Disasters and Population. In Population Association of Japan (Ed.), Encyclopedia of Population Science (pp. 32-33). Tokyo: Maruzen Publishing Co., Ltd. (in Japanese) [https://www.maruzen-publishing.co.jp/item/?book_no=302786]
4. Nakasu, T. (2018). The 2011 Great East Japan Earthquake and Tsunami Disaster: From Historical Viewpoints. In R. Seki (Ed.), Sociology of Disaster Victims and Evacuations (pp. 16-41). Tokyo: Toshindo. (in Japanese) [https://www.kinokuniya.co.jp/f/dsg-01-9784798914527]
5. Nakasu, T., & Sato, J. (2010). Thai. In Environmental Chronology Editing Committee (Ed.), An Environmental Chronology: Japan and the World (pp. 453-456). Tokyo: Suirensha. (in Japanese) [https://www.kinokuniya.co.jp/f/dsg-01-9784863691216]
6. Nakasu, T. (2009). Indian Ocean's Tsunami Disaster. In Japanese Society for Thai Studies (Ed.), Encyclopedia of Thailand (pp. 465-468). Mekong Publishing Co., Ltd. (in Japanese) [https://thailand.kinokuniya.com/%E3%82%BF%E3%82%A4%E4%BA%8B%E5%85%B8/bw/9784839602260]
7. Nakasu, T. (2008). Development, Environment, and Disasters in Thailand. Tokyo: Fukyosha. (in Japanese) [total 64 pages] [https://www.amazon.com/Tai-kaihatsu-kankyo%C3%8C-saigai-Tsunagari/dp/4894897377]
8. Research Committee on Information Sharing for Emergency Management Society. (2006). Intelligence Strategy for Emergency Management Society. Nikkei BP Publishing Co., Ltd. (in Japanese) [https://www.kinokuniya.co.jp/f/dsg-01-9784861302312]

Academic Articles (Peer-reviewed)

1. Nakasu, T., Kawasaki, A., Bhula-or, R., & Anantsuksomsri, S. (2022). Social Vulnerability Changes and Building Sustainable Local Communities in Industrial Complex Area. Journal of the Housing Research Foundation. (in Japanese)
2. Nakasu, T., & Bhula-or, R. (2019). Disasters in Thailand and Required Countermeasures. Shoho, pp. 23-27. Japanese Chamber of Commerce Bangkok. (in Japanese)
3. Goto, Y., & Nakasu, T. (2017). Human Vulnerability Index for Evaluating Tsunami Evacuation Capability of Communities. Journal of JAEE, 18(6): 6_16_22. (English Version)
4. Goto, Y., & Nakasu, T. (2017). Human Vulnerability Index for Evaluating Tsunami Evacuation Capability of Communities. Journal of JAEE, 17(2), pp. 2_158-2_173. (in Japanese)
5. Murakami, H., Nakasu, T., et al. (2015). Collection and Analysis on Overseas Disaster Evacuation Related Papers and Documents. Journal of JAEE, 15(5), pp. 76-96. (in Japanese)
6. Nakasu, T., & Kurahara, M. (2014). Disaster Research and Great East Japan Earthquake and Tsunami Disaster. Advances in Social Research, 10, Yuhikaku, pp. 64-69. (in Japanese)
7. Nagumo, N., Nakasu, T., Okazumi, T., & Shimizu, Y. (2014). Development of Flood Disaster Preparedness Indices in Multi-Language. Civil Engineering Journal, 56(9), pp. 18-21.
8. Hagiwara, Y., Kuribayashi, D., Okazumi, T., & Nakasu, T. (2014). Characteristics of the Chain-Reaction Damage of the Japanese Firms Affected by the 2011 Thai Flood. Advances in River Engineering, 20, pp. 397-402. (in Japanese)
9. Nakasu, T., Okazumi, T., & Shimizu, Y. (2013). Establishment of Industrial Areas and New Risk Management: Chain Reactions of Economic Damage caused by 2011 Thailand Chao Phraya River Flood Disasters and Local Societies. The Journal of Urban Social Studies, 5, pp. 159-169. (in Japanese)
10. Nakasu, T., Okazumi, T., & Shimizu, Y. (2012). Development of Flood Disaster Preparedness Indices (FDPI) in Thailand: Focus on the Cases of Ubon Rachathani and Hat Yai. The Journal of Thai Studies, 12. Japanese Society for Thai Studies, pp. 65-81. (in Japanese)

11. Nakasu, T. (2012). Disaster Recovery Theories and Great East Japan Earthquake and Tsunami Disaster. River, 68(1), pp. 94-99. (in Japanese)
12. Nakasu, T., Miyake, K., & Shimizu, Y. (2011). Isewan Typhoon Disaster and Establishment Basic Disaster Countermeasure Act: Their Meanings and Lessons. Water Science, 55(2), TisanTisui Association in Japan, pp. 100-119. (in Japanese)
14. Nakasu, T. (2010). A Research Perspective on Natural Disasters and Environmental Sociology: Viewpoints on the Cause and Effect Cycle Model of Development-Environment-Disasters. Environmental Sociology Research, 16, Yuhikaku, pp. 65-78. (in Japanese)
15. Nakasu, T. (2009). Disaster Recovery begins before the Disaster. Urban Issues 100/12, pp. 86-92. (in Japanese)

United Nations ESCAP Evaluation Reports

1. Nakasu, T. (2023). Evaluation for the Project "Improving the Use and Sharing of Geospatial Information for Resilient and Sustainable Development in Selected Pilot Countries". United Nations ESCAP. (forthcoming)
2. Nakasu, T. (2022). Evaluation of the Implementation of the Asia-Pacific Plan of Action on Space Applications for Sustainable Development (2018-2030) in its Phase I (2018-2022). United Nations ESCAP, pp. 1-52. Retrieved from https://repository.unescap.org/handle/20.500.12870/5019
3. Nakasu, T. (2018). Evaluation for the Project: Strengthening Multi-Hazard Risk Assessment and Early Warning Systems with Applications of Space and Geographic Information Systems in Pacific Countries. United Nations ESCAP, pp. 1-68.

Others

Oral Presentations (with conference papers) and Lectures: since 2012

Tadashi Nakasu, Developing Methods for Building Sustainable Communities in Flooded Industrial Complex Areas, 10th APFSD Networking Event: Multi-Stakeholder Roles for Strengthening Space Applications and Sustainable Development; United Nations Conference Center 2023.3.29

Tadashi Nakasu, Methods for Constructing Water-Resistant Communities in Thailand's Flood-Prone Industrial Complex Areas (Germany, Virtual Participation), International workshop on Flood Risk and Resilience at Community Level, 2022.12.2.

Tadashi Nakasu, Integrated Approach for Assisting Local Disaster Preparedness: Japanese Project Experience Training on Use of Integrated Spatio-temporal Data in Local SDGs Monitoring and Decision-making, Expert Group Meeting 2022.8.4

Tadashi Nakasu, Developing methods for Building Sustainable Communities in Industrial Complex Areas, AOGS 2022,19th Annual Meeting 2022.8.3.

Tadashi Nakasu, Cross-Cutting Risk Narratives for Enhancing Regional Resilience in the Flooded Industrial Complex Area, The 24th biennial conference of the Asian Studies Association of Australia ASAA Social Justice in Pandemic Times 2022.7.8

Tadashi Nakasu, Ruttiya Bula-or, Sutee Anatsuksomsti, Sutpratana Duangkaew, Korrakot Positlimpakul "Visualizing Capacities of Communities around the Flooded Industrial Park", AOGS (Asian Oceania Geosciences Society) Oct. 13-14, 2021

Tadashi Nakasu, Ruttiya Bhula-or, Sutee Anantsuksomsri, Sutpratana Duangkaew, Korrakot Positlimpakul, Kullachart Patumchai, Akiyuki Kawasaki,
Measuring Capacity and Protecting Community: Strengthening Regional Resilience in the Flooded Industrial Area in Thailand , DRSD 2021, Asian Institute of Technology,June 24-25, 2021

Tadashi Nakasu "Community Research of the SATREPS Project" Japanese Association for Environmental Sociology, The 62nd Annual Meeting (Online), 6 December 2020.

Tadashi Nakasu, Ruttiya Bula-or, Sutee Anatsuksomsti, Korrakot Positlimpakul "Social Vulnerability Changes and Sustainable Development in the Flooded Industrial Complex Area The 2nd multidisciplinary International Conference on Humanities (ICH 2019) ""Innovation and Transformation in Humanities for a Sustainable Tomorrow."" 30-31 October 2019, School of Humanities, Universiti Sains Malaysia, Penang, Malaysia"

Nakasu Tadashi,Finding the economic disaster's root causes of the 2011 flood in Thailand: Why did the supply chains make the disaster worse? Natech 2018: Natech Risk Reduction at Large Industrial Parks (EC(European Commission)-JRC), Ispra, Italy, 2018.09.03

Tadashi Nakasu, Vipan Prachuabmoh"Disaster Resilience in an Aging Society: ISESEA-6 (6th International Symposium on Environmental Sociology in East Asia), Taipei, Taiwan, 2017.10.20 **(with conference paper)**

Tadashi Nakasu, Natural Disasters and Disasters Management in Thailand: Status, Risks, and Trends, 13th International Conference on Thai Studies, Chiangmai, Thailand, 2017.07.15 **(with conference paper)**

Tadashi Nakasu, Invited Speaker, Building a Resilient Society: Disaster Recovery Theories and Demographic Risk, 10th annual meeting of Japanese Studies in Thailand, Japanese Studies Association in Thailand(JSAT), Japan Foundation Bangkok, and Institute of Asian Studies at Chulalongkorn UniversityChulalongkorn Univeristy, Bangkok, Thailand, 2016.12.15

Tadashi Nakasu, Invited key note lectur, Disaster and Disaster Management: Lesson Learned from Japan, Seminar, College of ASEAN Community Studies, Naresuan University, Phitsanulok, Thailand, 2016.10.10

Tadashi Nakasu, Yuichi Ono, Wiraporn Pothisiri, The Forensic Investigation of Great East Japan Earthquake and Tsunami Disaster, 1st International Conference on Disaster Management: From The Polar Regions to the Local Communities, National Institute of Development Administration, Bangkok, Thailand, 2016.3.30

Tadashi Nakasu, Invited Lecturer, Disasters and Disaster Management in Japan, Seminar, Japan Research Center, Faculty of Humanities, Chiang Mai University, Chiangmai, Thailand, 2016.1.17 (**in Japanese with Thai interpretation**)

Tadashi Nakasu, Why did they die due to natural disasters? The challenge of applying lessons from Japanese experience for Thai disaster risk reduction, CPS work-in-progress seminar, Bangkok, Thailand, 2016.1.14

Tadashi Nakasu, Invited Lecturer, Disaster/Disaster Reduction Research and Thai Studies, CSEAS BKK, The University of Kyoto, Bangkok, Thailand, 2015.10.24 (**in Japanese**)

Tadashi Nakasu, Invited Lecturer, Natural Disaster Victims in Japan: What are the lessons learned? 131th JST Ninomiya House evening forum, Tsukuba, Japan, 2015.3.20
https://www.jst.go.jp/inter/jsthouse/en/index.html

Tadashi Nakasu, Lecturer, Disaster Victims, The 14th Asian Post Graduate Course on Victimology and Victim Assistance, Tokiwa International Victimology Institute, Mito, Japan, 2014.8

Tadashi Nakasu, Toshio Okazumi, Yoshikazu Shimizu, Enterprises Evacuation and Chain Reaction of Economic Damage in Industrial Parks, 2013.11.11 **(in Japanese**)

Tadashi Nakasu, Invited Lecturer, A Critical Cause Analysis of Human Loss Exacerbation

caused by the 2011GEJET Disaster : The Case of Rikuzentakata City in Iwate Prefecture, Advanced Institute on Forensic Investigation of Disaster, Academic Sinica(中央研究院),Taipei, Taiwan,2012.3

Tadashi Nakasu, Establishment of Flood Disaster Preparedness Indices, Working Group of Hydrology (WGH) Parallel Session of 7th Typhoon Committee Integrated Workshop, Nanjing, China,2012.11

Tadashi Nakasu, Development and Application of Flood Disaster Preparedness Indices, Working Group of Hydrology, 44rd Annual Meeting of Typhoon Committee, Hangzhou, China, 2012.2

Main DRR Professional Engagement (Detailed)
Chulalongkorn University
In addition to research and education as the main duty, I am expected to facilitate Japan-Thailand relations in DRR field and teach not only international students but also researchers, professors, and practitioners. My main achievements are as follows:
- Evaluating the UN/ESCAP policy and projects.
- Teaching international graduate students and Thai students
- Writing academic papers on disaster risk reduction.
- Reviewing international journals.
-Developing Social Vulnerability Index and Risk Index (District and Sub-District Level) in complex industrial areas.
-Developing Capacity Assessment methods (Community Level) in complex industrial areas.
-Proceed several funded and non-funded projects related to disaster risk reduction.
-Developing educational homepages and materials.
-Conducting national and international projects on DRR
-Doing a key counterpart member in Thailand as a Japanese for the Science and Technology Research Partnership for Sustainable Development (SATREPS) (Japanese government ODA, 2018-2023) project entitled “The Project on Regional Resilience Enhancement through Establishment of Area-BCM at Industry Complexes in Thailand”.

NIED Office
The First Engagement
My initial employment was as a senior information officer disseminating disaster information to the general public, as well as to research institutes and universities. In addition, I helped create disaster information websites, with such websites still being used since 2005. As well, I was doing research on DRR and also investigating several Emergency Operation Centers and FEMA Emergency Management Institute in the USA with various experts inside and outside the institute. My main achievements are as follows:
-Conducting a number of disaster research projects, including recruiting different field experts for the tasks, as well aspublishing several reports, including reports on the 2005 Hurricane Katrina in the US and the 2009 Typhoon Ondoy and Pepeng in the Philippines. Especially, I was a lead researcher for investigating the 2009 Typhoons in the Philippines andevaluated other member's researches and combined those into the report.
-Conducting field surveys to the USA to promote Japanese government policies, such as consideration of the establishment of Japanese emergency management agency (Washington DC). I also co-authored a book titled "Intelligence Strategy for Emergency Management Society (in Japanese)" (2006), focusing on the importance of Common Operational Picture (COP) and the collaborations and sharing the information among related entities using COP are the keys for the emergency management.
-Conducting a tornado countermeasure survey with Cabinet Office of Japan and Japan Meteorological Agency officers and NIED tornado specialists to consider the necessity of the tornado countermeasures using doppler and phased array radars with effective emergency management systems to the USA (Oklahoma and Washington DC) after the tornado disaster in Hokkaido, Japan in 2006. I submitted the report to the Cabinet Office concerning the emergency management system to cope with tornado disasters in the USA. The report advises and makes

recommendations to Japanese tornado countermeasures.

The Second Engagement

I was engaged in several Japanese government projects as part of my second employment period as a principal research fellow. The followings were my main achievements:

-Leading a MEXT project as the person in charge, combining research findings with local disaster management to enhance local resilience through web service, including receiving the second prize for a poster presentation on Society for Risk Analysis-Asia Conference in Taiwan. During the project, I regularly visited ten key Japanese universities and institutes that work for local community disaster management to examine their activities and give advice to raise their DRR capacities in the communities. The web service shows the social and natural characteristics of the pointed local communities on the map, including their local disaster history, demographics, and other information. This service also suggests the potential disaster risks based on the above information and indicates the related existing research findings and past practices all over Japan to reduce disaster risk, including necessary information to proceed with the projects. The ten key universities and institutions are the core to expanding this project to communities all over Japan. This project makes it possible to connect the Japanese largest government researchers information database as well as practitioners information to let local disaster managers contact with experts who know the detail and practice. I helped to design and create the base structure of the project with the related researchers and evaluated the key organization's activities for local communities.

-Assisting in the Japanese ODA project, The Project for Research and Development for Reducing Geo-Hazard Damage in Malaysia caused by Landslide and Flood, SATREPS (Japanese government ODA) program, applying an e-community map system developed by NIED for landslide prone areas in Malaysia. I visited Malaysia to give advice to counterpart members in Malaysia on how to use the system effectively to mitigate landslide disaster in the target areas after their activity's evaluation.

-Appointed as a research committee member for evacuation for the Japanese Association for Earthquake Engineering. I contributed to the committee as a member from NIED and also gave advice and recommendations on the evacuation behaviors analyses.

ICHARM Office

My main mission for this engagement was to conduct and complete water-related risk management projects. I was engaged in several projects that were successfully completed, as follows:

- Conducting secretariat work with research for the FORIN (Forensic Investigation of Disaster Risk) project of the IRDR (Integrated Research on Disaster Risk <ICSU, ISSC, UNISDR>) program as an IRDR-Japan representative member and made a presentation on the FORIN case, Great East Japan Earthquake and Tsunami disaster, at the 1st IRDR conference in Beijing, China in 2011. I built an excellent researchers network from various research fields for DRR through this activities.

-Engagement in the project development of Flood Disaster Preparedness Indices for Working Group Hydrology, Typhoon Committee (WMO/UNESCAP) as a project leader, including field work in local communities in Thailand, Vietnam and the Philippines. I designed and created the web based self-evaluation system, including sharing experience and automatic data gathering mechanisms.

-Participation in the MEXT IPCC (Intergovernmental Panel for Climate Change) related project as a research member and conducted the research "Assessment for Specific Vulnerable Area caused by the Impact of Climate Change" as a contribution to the MEXT project. I focused on the Cambodian rice field to estimate the rice production damage by climate change on present, near future, and future until 2100. Cambodian farmers live with flooding, without any irrigation systems. The total accumulated precipitation 500mm is the time to plant, and harvest is after 90 days. After the harvest, they face floods. The future climate change makes this rhythm unstable and this makes the damage worse. I calculated the exact rice production damage cost in the target area from present to future with collaborating hydrologists, model developers, and engineers using space, geospatial, hydrological, and other related data as a lead researcher. The findings were presented several times at conferences and meetings and finally submitted to the MEXT project office as a part of ICHARM team outcomes.

-Conducting a PWRI project regarding chain reactions of economic damage caused by the 2011 Chao Phraya river flood disaster as a lead researcher, including publication of papers. This project collaborates with other PWRI projects, such as simulating the 2011 Chao Phraya river flood project

based on the Rainfall-Runoff-Inundation model using space, geospatial, and other related data, which was developed by ICHARM-PWRI and awarded by the MEXT.