

## TAKAHIRO YAMADA, Ph.D.

Cell: +81 (0)7084723516; Email: [taka.yamada@dalberginc.com](mailto:taka.yamada@dalberginc.com)

Citizenship: Japanese; Gender: Male; Year of birth: 1986

Website: <https://sites.google.com/view/takahiroyamadswebsite/home>

### PROFESSIONAL SUMMARY

---

I am currently a managing director at DalbergInc in Japan. My professional interests lie in unraveling the effects and mechanisms of various problems associated with economic development in various stages and providing prescriptions for these problems. Also, I extend analytical tools or identification strategies, namely, [the three stages of estimation framework comprising an instrumental variable for causal identification and the unique counterfactual simulations based on a conventional static two-way fixed effects](#) and [the mode-based income deposition into growth and distribution effects for segments of poor](#). The publication record is as such the *Journal of Development Economics*, *Oxford Encyclopedia of Environment Science*, *Economics Bulletin*, *Journal of Income Distribution*, and *Sustainable Development*. I have around 15 years of practical professional experience in the economic development arena across Asia and the Pacific, South Asia, Central America, and the Caribbean. In practice, I have engaged in economic analysis and policy dialogue with client authorities in Laos, Myanmar, Vietnam, Cambodia, El Salvador, and Honduras, and worked with the World Bank and the IMF, the private sector, and civil societies for the coordinated policy formulation. I also have diverse exposures, working as an economist/consultant for the World Bank, Japanese MoF, JICA, ILO, UNDP, and a SMEs agency project. I received a doctoral degree from Nagoya University, Japan (2010-2017, excluding about 3.5 years of leave for practical work), and the post-graduate diploma in geographical science from Pennsylvania State University.

**Research Fields:** Economics of Development, Applied Statistics and Econometrics, Spatial Analysis, Conflicts, Natural Disasters, Growth-Distribution-Income mobility

**Skills:** Spatial Analysis, Statistics and Applied Econometrics, ArcGIS Pro, STATA, GEE, Python

### SELECTED PUBLICATIONS

---

#### Work in Progress

- rituals, manners and economic development
- risk averse behaviors and pollution
- finance, firms, and economic development
- cognition and evacuation from disasters.
- Dire to Creative Destruction? Elucidating the Complex Dynamics of Tsunami Inundation Effects Across Space and Chronology – the Case of 2011 Tohoku Earthquake [[LINK](#)]

#### Working Papers

- The causal effects of long-term PM 2.5 exposure on COVID 19 in India (with Mani, M) [[LINK](#)]
  - a relevant old paper: “Is exposure to air pollution a risk factor for COVID-19 fatality rate? Evidence from India as of May 15, 2020” (May 31, 2020). [[LINK](#)] [Media coverage: [WB Blog](#), [Duke U](#), [TheThridPole](#)]

#### Peer-Reviewed Journal Papers

#### Regular Articles

- Yamada, T. (2025). Industrial Development, Poverty Reduction, and Inequality: A Robustness Test Using Nighttime Lights in Vietnam. *Sustainable Development*. (with Otchia, C.S.) ([open access](#))
- Yamada, T. (2024). The mode-based decomposition into the growth and distribution effects for segments of poor. *Journal of Income Distribution*. ([accepted version](#))

- Yamada, T. (2021). The long-term causal effect of U.S. bombing missions on economic development: Evidence from Ho Chi Minh Trail and Xieng Khouang province in Lao P.D.R., *Journal of Development Economics*, Vol.150 (C), May 2021, 102611. ([accepted version](#))
- Yamada, T. (2018). Dynamics of spatial inequality and poverty: Evidence from two decades of surveys in Vietnam, 1993-2014. *Economics Bulletin*, Volume 38, Issue 1, pp 404-418, February. [[LINK](#)]
- Yamada, T. (2016). The turning point in the vietnamese economy - Revisiting labor surplus theory. *Forum of International Development Studies*, vol 47, Issue 5, pp. 1 - 15, September. [[LINK](#)]

#### Surveys

- Mani, M. and Yamada, T. (2021). [Exploring Air Pollution and COVID-19 Linkages in South Asia](#). In *Oxford Research Encyclopedia of Environmental Science*. Oxford University Press. <https://doi.org/10.1093/acrefore/9780199389414.013.780>
- Yamada, T. (2021). Measurements of absolute inequality. In: Leal Filho W., Azul A.M., Brandli L., Lange Salvia A., Özuyar P.G., Wall T. (eds). *Reduced Inequalities, Encyclopedia of the UN Sustainable Development Goals*. Springer, Cham. [https://doi.org/10.1007/978-3-319-71060-0\\_58-1](https://doi.org/10.1007/978-3-319-71060-0_58-1)

#### Book Chapters

- (in Japanese) Yamada, T. Summary statistics of illumination intensity using nightlights: A case of 47 prefectures in Japan. Ch.12, In Kawabata, M. eds. *Introduction to GIS for Economic and Policy Analysis2: Spatial Statistics Tools and Applications Learning with ArcGIS Pro*. Tokyo: Kokon-Shoin, Publisher, April 2018. [[LINK](#)]
- (in Japanese) Yamada, T. Vegetation activity using Landsat 8: A case of Rwanda vicinage. Ch.13, In Kawabata, M. eds. *Introduction to GIS for Economic and Policy Analysis2: Spatial Statistics Tools and Applications Learning with ArcGIS Pro*. Tokyo: Kokon-Shoin, Publisher, April 2018. [[LINK](#)]

#### Referee Service

- *Journal of Development Economics\**, *Economics Bulletin\*\*\**, *World Development\*\**, *Progress in Development Studies\*\**, *Journal of Economics Structures\**, *GeoJournal\**

#### Awards

- Excellent Paper Award, CSIS Days 2021, Center for Spatial Information Science, University of Tokyo

#### WORK HISTORY

08/2023-08/2025	<b>Fellow</b> (Associate Professor equivalent) <b>RIETI</b> – Tokyo
02/2020-08/2021	<b>Economist</b> (Jr. Professional Officer, GF-level staff position) <b>The World Bank</b> – Washington, D.C.
03/2018-Present	<b>Visiting Scholar</b> <b>Center for Spatial Information Science, University of Tokyo</b> – Tokyo
04/2018-01/2020	<b>Economist</b> <b>Ministry of Finance, Japan</b> – Tokyo
04/2017-03/2018 04/2021-03/2022	<b>Visiting Scholar</b> <b>Faculty of Economics, Keio University</b> – Tokyo
07-09/2016	<b>Visiting Scholar</b> <b>Vietnam National University, Hanoi</b> – Hanoi
04/2014-01/2016	<b>Economist</b>

	<b>Japan International Cooperation Agency (JICA) – Tokyo</b>
12/2010-04/2011	<b>Labour Migration and Research Officer (Intern)</b> <b>International Organization for Migration (IOM) Lao P.D.R – Vientiane</b>
05/2007-10/2008	<b>Representative</b> in 2008 and a member in 2007 <b>Japan Vietnam Student Conference – Tokyo, Hanoi, Hue, Ho Chi Minh City</b>

### WORK HISTORY AS A CONSULTANT

04/2017-03/2018	<b>Researcher</b> <b>Economic Affairs Bureau, Ministry of Foreign Affairs, Japan – Tokyo</b>
03/2017	<b>Consultant</b> <b>Regional Office for Asia-Pacific, International Labour Organization (ILO) – Bangkok</b>
06/2013-02/2014	<b>Research Fellow/Consultant</b> <b>Project of the Small and Medium Enterprises Agency of Japan, Government of Japan via Central Japan Industries Association – Nagoya</b>
11/2012-01/2013	<b>Representative of North-East Asian Youth</b> <b>United Nations Development Programme (UNDP) – Seoul</b>

### EDUCATION

**Postgraduate Diploma (Geospatial Programming and Web Map Development), Pennsylvania State University (August 2021-July 2023)**

**Doctor of Philosophy (Economic Development Policy and Management), Nagoya University, March 2017**

**Dissertation: Dynamics of Poverty, Growth, and Distribution: A Case of Vietnam**

- GPA 2010-17: 3.8/4.0 (Overall), 3.9/4.0 (Economics), 3.8/4.0 (Econometrics and Statistics), 4.0/4.0 (Fieldwork)
- MA (Economic Development Policy and Management Program), Nagoya University, March 2013
- BA (Economics), Chuo University, March 2010

### TEACHING RECORD

1. Lecturer, Department of Business Economics, School of Management, Tokyo University of Science (September 2024/25-March 2025/26)
  - **Statistics and Econometrics (Microeconometrics)** (around 15 undergraduates) in Japanese
2. Lecturer, Department of Economics, Hosei University (May 2022)
  - **Economic Development and Japanese Official Development Assistance (ODA) Seminar** (around 15 undergraduate students) in Japanese
3. Lecturer, Graduate School of Business, Master of Public Management and Administration Course, Rikkyo University. (September 2019–March 2020)
  - **Economic Development (Inequality and Poverty: Measurements and Applications)** (14 graduate)
4. Lecturer, Department of Real Estate Sciences, Meikai University. (September 2019–March 2020)
  - **Microeconomics** (64 undergraduate)
5. Lecturer and teaching assistant, Ministry of Finance, Japan (April 2018–January 2020)
  - **Open-economy Development Macroeconomics and Debt Sustainability Analysis (DSA) Seminars: Lecturer**, taught ten officers at MoF, Japan, to provide knowledge and analytical skills on open-economy macroeconomics and debt sustainability analysis.
  - **Economics Coursework (graduate level) and thesis writing: Teaching assistant**, taught 12 officers (5 for 2019 and 7 for 2018) in the fourth year of MoF, Japan.
6. Lecturer, Kwansai Gakuin University (November 2018)

- **Economic Development and Japanese Official Development Assistance (ODA) Seminar:** Lecturer, taught around 15 undergrad and graduate students on the topic of economic development and Japanese ODA.
7. Lecturer and teaching assistant, Japan International Cooperation Agency, JICA (April 2014–January 2016)
- **Macroeconomic Seminars: Lecturer,** taught more than 90 officers on applied analysis and policy dialogue (macroeconomic diagnostic, and introduction to debt sustainability analysis)
  - **Financial Programming (FP) and Debt Sustainability Analysis (DSA) seminars: Organizer,** trained more than 50 officers in collaboration with ex-IMF Economists.
8. Teaching/Research Assistant, Nagoya University. (May 2016–March 2017) (Tutor, April 2010–December 2014)
- **Economic Statistics** (intermediate/advanced), **Seminars:** Teaching Assistant for Professor Fujikawa
  - **Input-Output Analysis Project:** Research Assistant for Professor Fujikawa
  - **Tutor:** 13 international grad students from Asia/Africa/Latin America and Japanese high school students.
9. Lecturer, Faculty of Economics, Chuo University. (May 2014)
- **Economic Development and Japanese Official Development Assistance (ODA) Seminar:** Lecturer, taught around 30 undergrad students on the topic of economic development and Japanese ODA.

## RESEARCH GRANTS

---

### Principal Investigator

- **FY2025-2026:** (in english) The post disaster recoveries and reconstructions (selected grants for spatial analyses by Center for Spatial Information Science, University of Tokyo) (JPY 450,000)
- **FY2024-2025:** (in english) The post disaster recoveries and reconstructions (selected grants for spatial analyses by Center for Spatial Information Science, University of Tokyo) (JPY 350,000)
- **2019-2020: Japan Society for the Promotion of Science: Grants-in-Aid for Scientific Research (KAKENHI) for Young Scientists** (JPY 3,250,000/about USD31,000)
  - The effect of Tsunami on the economic growth, income distribution and living standards of the affected areas: A chronological investigation

## APPENDIX: DETAILS

### WORK HISTORY

---

1. Economist (Jr. Professional Officer, GF-level staff position), Office of the Chief Economist, South Asia Region, The World Bank (February 2020-August 2021)
- **Exposure to Air Pollution and COVID-19: Lead Author**
    - “Long-term causal effects of PM<sub>2.5</sub> exposure on COVID-19: Evidence from India” [[LINK](#)]
    - “Is exposure to air pollution a risk factor for COVID-19 fatality rate? Evidence from India as of May 15, 2020” [SSRN WP: [LINK](#)] [Media coverage: [WB Blog](#), [Duke U](#), [TheThridPole](#)]
  - **The Value of Water in South Asia (Flagship Report): In Charge of the Analytical Framework**
    - Formulated the analytical framework in collaboration with external consultants, which compose (i) Institutional analysis, (ii) Hydro-economic modeling, (iii) Partial equilibrium analysis for broader subregions/basins analysis, (iv) Microsimulation modeling, and (v) Field case studies and RCT.
    - Drafted the terms of reference for hiring external experts working on a series of analytical work.
  - **Glaciers of Himalaya (Flagship Report): In Charge of the Spatial Analysis** [[LINK](#)]
    - Led the spatial analysis to see the spatial variations of glacier melt by climate and black carbon scenarios.
    - Conducted the data validation of the high resolution glacier indicators (1km<sup>2</sup> grid-level and basin-scale) estimated by hydrological climate modeling using ArcGIS Pro and STATA.

- **South Asia Economic Focus (April 2020) (Flagship Report): In Charge of the Analysis of Policy Responses Against COVID-19, and Growth Convergence and the Role of Public Banks in India**
    - Wrote the policy responses against COVID19 in South Asia (South Asia Economic Outlook, Ch2) (relevant writing is available: [LINK](#))
    - Analyzed the role of public banks and long-term growth convergence in India (Cursed Blessing Public Banks, Ch3) [LINK](#) for the extended analysis using IV/2SLS approach]
    - Provided technical inputs for the analysis of fiscal and debt sustainability analysis (Ch.1)
  - **Others**
    - Engaged in the panel hiring external consultants who work on environmental projects.
2. Visiting Scholar, Center for Spatial Information Science, University of Tokyo (March 2018–Present)
- **The research project “Natural Disasters”: Principal Investigator**
    - Impact evaluation of Tsunami and Earthquakes on economic development: Evidence from the Great East Japan Earthquake in 2011
3. Economist, Policy Research Institute, Ministry of Finance, Japan (April 2018–January 2020)
- **The research project “Quality Growth”: Principal Investigator**
    - “Short, mid, and long-term impacts of Tsunami on economic growth, distribution, and living standards in the affected areas.”
    - “Discussions on development: Introduction (in Japanese)” [LINK](#)
    - “Discussions on development: IMF-World Bank LIC DSA (in Japanese)” [LINK](#)
    - “What determines urban migration decisions as a livelihood strategy? Is there an intergenerational link between children and parents?”
  - **The research project “Human and Natural Disasters”: Principal Investigator**
    - “The long-term causal effect of US bombing missions on economic development: Evidence from Ho Chi Minh Trail and Xieng Khouang province in Lao P.D.R. (with Hiroyuki Yamada)” [LINK](#)
    - “Discussions on development: Seeing the earth from outer space (in Japanese)” [LINK](#)
    - “Armed conflicts and human capital accumulation in the Democratic Republic of Congo (with Christian Samen Otchia)”
  - **Technical assistance for Laos and Myanmar: Economist** (by the end of November 2018)
    - **Laos:** led the macroeconomic diagnostic and debt sustainability analysis. The analysis was used to review the 8<sup>th</sup> National Socio-Economic Development Plan (NSED) and the formulation of the 9<sup>th</sup> NSED. All of the studies were under the initiative “Japan—Laos Joint Policy Research and Dialogue Program for Fiscal Stabilisation” that was agreed between Prime Minister Abe and Prime Minister Thongloun on June 7, 2017.
    - **Myanmar:** (i) led the macroeconomic diagnostic and debt sustainability analysis for the development needs assessment; (ii) assisted seminars on credit risk assessment/loan training for the largest state-owned banks, Myanma Economic Bank (MEB); (iii) suggested implementing impact evaluation of the credit risk assessment/loan training for MEB using the self-formulated randomized controlled trial (RCT) and a difference in difference (DID) approaches; and (iv) suggested a development strategy of budget compilation and budgetary assessment technical assistance as a part of PFM Academy establishment in the Ministry of Planning and Finance.
  - **Policy Dialogues: Economist**, engaged in policy dialogues with government authorities (e.g., Vice Minister/Director General at Ministry of Finance, and Governor/Director General at Central Bank); IMF (e.g., Resident Representative, Economists of Surveillance Team, and Experts at IMF TAOLAM); World Bank (e.g., Lead Economist, Sr. Economist, Sr. Public Sector Specialist, Sr. Poverty Economist), among others.
4. Visiting Scholar, Faculty of Economics, Keio University (April 2017–March 2018)

- **The research project “Human and Natural Disasters”:** **Principal Investigator**
  - “The long-term causal effect of US bombing missions on economic development: Evidence from Ho Chi Minh Trail and Xieng Khouang province in Lao P.D.R.
- 5. Visiting Scholar, Vietnam National University, Hanoi (July–September 2016)
  - **Data collection and analysis for the dissertation “Dynamics of Poverty, Growth, and Distribution.”**
- 6. Economist, Credit Risk Analysis Division, Japan International Cooperation Agency (JICA), Government of Japan (April 2014–January 2016)
  - **Macroeconomic diagnostic of 14 countries: Principal Country Economist** (Myanmar, Cambodia, Fiji, Papua New Guinea, Honduras, El Salvador, Guatemala, Nicaragua, Costa Rica, Panama, Mexico, Jamaica, Dominican Republic, and Venezuela)
  - **FP and DSA for Honduras and Cambodia: Principal Country Economist**
  - **Macroeconomic assessment and policy dialogue missions: Mission Principal Country Economist** for Myanmar, Cambodia, Honduras, and El Salvador
  - **Development of an econometric model for sovereign credit risk: Reviewer**
  - **Lending and post-debt restructuring lending operation teams: Principal Country Economist**, assisted in lending operations for 14 countries
- 7. Research Fellow, Project of the Small and Medium Enterprises Agency of Japan, Government of Japan via Central Japan Industries Association (June 2013–February 2014)
  - **Labour market analysis: Task team leader**, analyzed the central area of Japan for job matching between SMEs and international students.
  - **Partnership arrangement with 37 primary schools: Task team leader**
- 8. Labour Migration and Research Officer (Intern), International Organization for Migration (IOM) Lao P.D.R (December 2010–April 2011)
  - **Project operation: Leading officer under the supervision of the head of the office**, managed and developed Anti-Trafficking in Persons and Labour Exploitation Project
  - **Fund-raising: Leading officer under the supervision of the head of the office**, raised \$36,750 from US Government

## **WORK HISTORY AS A CONSULTANT**

---

1. Researcher, International Economy Division, Economic Affairs Bureau, Ministry of Foreign Affairs of Japan (MOFA) (Part-time, April 2017–March 2018)
  - **Macroeconomic diagnostic of the World Economy, US, Japan, Europe, and China: Economist**, conducting macroeconomic analysis for strategic decisions and diplomatic negotiations
2. Consultant, Regional Office for Asia-Pacific, International Labour Organization (ILO) (March 2017)
  - **ILO Future of Work Initiative: Principal Economist for Japan**, Conducted a review of relevant research on Labour Economics
3. A representative of North-East Asian Youth, United Nations Development Programme (UNDP) (January 2013)
  - **Post-MDGs Development Agendas: Representative of Northeast Asian Youth**, (i) led the discussions of more than 50 participants; (ii) drafted the main framework of the declaration

## **REFEREED PRESENTATIONS**

---

- **The 2026 AEA Annual Meeting** (Oral presentation, Marriott Philadelphia Downtown, Philadelphia, Pennsylvania, USA, January 3-5, 2026)
- **The 20th East Asian Economic Association (EAEA) International Convention** (Presenter and discussant, Makati Shangri-La, Metro Manila, Philippines, November 8-9, 2025)

- **The 19th International Symposium on Econometric Theory and Applications (SETA)** (Session Chair and presenter, Macau University, Macau, June 1-3, 2015)
- **The 2020 ASSA/AEA Annual Meeting** (Poster presentation, San Diego Marriott Marquis & Marina, San Diego, CA, USA, January 3-5, 2020)
- **The 2nd Annual Sustainability and Development Conference** (Oral presentation, University of Michigan, Ann Arbor, Michigan, USA, October 11-14, 2019)
- **WIDER Development Conference in partnership with the UNESCAP on "Transforming economies for better jobs"** (Session Chair and presenter, Bangkok, Thailand, September 11-13, 2019)
- **The 75th Annual Congress of the International Institute of Public Finance (IIPF)** (Oral presentation, University of Glasgow, Glasgow, Scotland, August 21-23, 2019)
- **The 15th International Symposium on Econometric Theory and Applications (SETA)** (Oral presentation, Osaka University, Osaka, Japan, June 1-2, 2019)
- **The 16th East Asian Economic Association (EAEA) International Convention** (Oral presentation, National Taiwan University, Taipei, Taiwan, October 27-28, 2018)
- **The 15th Biannual European Association for Comparative Economic Studies (EACES)** (Oral presentation, Warsaw School of Economics, Warsaw, Poland, September 6-8, 2018)
- **International Conference on Economic Structures (ICES), Pan-Pacific Association of Input-Output Studies** (Oral presentations, Nagoya University, March 21-22, 2018; Meiji University, March 17-19, 2017)
- **The Japan Society for International Development (JASID)** (Oral presentations, University of the Sacred Heart, June 2, 2018; Toyo University, November 10, 2017; Hiroshima University, November 28, 2016; Ritsumeikan University, June 11, 2016; Nagoya University, March 23, 2016)

#### Other (Invited) Presentations

- **Empirical Microeconomics Workshop**, Waseda Institute of Political Science (May 27, 2021)
- **The Urban Economics Workshop**, Faculty of Economics and CSIS, University of Tokyo (December 18, 2020)
- **CSIS Days 2020/2021/2023/2024**, Center for Spatial Information Science, University of Tokyo (November, 2020/2021/2023/2024)
- **Micro/Macroeconomic Analysis: Theory and Empirics Workshop at Graduate School of Economics, Nagoya University** (July 31, 2020)
- **IIR Workshop The European Union and Africa: A New Partnership between Two Neighbors?** (Kwansei Gakuin University, Hyogo, Japan, November 17, 2018)
- **Vietnam Finance Forum 2018** (held by Ministry of Finance of Vietnam) (Lotte Hotel, Hanoi, Vietnam, September 2018, invited presentation)
- **Kayoukenkyukai, Graduate School of Economics, Nagoya City University** (Nagoya City University, Nagoya, Japan, April 17, 2018, invited presentation)
- **The World We Want: North East Asian Youth Voices on the Post-2015 Global Development Agenda** (held by UNDP, UNESCAP, the Korea network of the UN Global Compact and Graduate School of International Studies, Korea University) (Korea University, Seoul, Korea, January 7-9, 2013)

## MAJOR REPORTS (in practice) AND ARTICLES

---

### Major Reports

- **JICA Sovereign Credit Risk Assessment Report for Cambodia** (December 2015), **Honduras** (October 2015), **El Salvador** (April 2015), **Myanmar** (October 2014) (*Confidential Internal Reports*)
- Disaster risk reduction in Bantul: Organisational measures and people's awareness of these measures (one of the contributor and author, *Nagoya University OFW Report 2010*: Yogyakarta Provinces, Indonesia)

## Articles

- (in Japanese) North-East Asian Youth Voices to Post-MDGs Development Agenda: Submitted the Declaration to the Post-MDGs High-Level Panel (co-authored), *International Development Journal*, April 2013, p81.
- (in Japanese) Various Voices from Youth in the Official Processes of Development Agenda, Post-2015 My Recommendation, *United Nations Forum*, May 2013.

## SKILLS AND PROFESSIONAL LICENSES

---

**Certified Professional Evaluator (C.P.E)**, accredited by The Japan Evaluation Society in February 2013  
**Project Cycle Management**, Participatory Planning, and M&E, certificated by GLM Institute in 2011

## LEADERSHIP ROLES, HONORS, AND SCHOLARSHIPS

---

- **Northeast Asian Youth Conference: The World We Want, Post-2015 Development Agenda:** Representative, Northeast Asian Youth, selected by the UNDP in 2012
- **The 2<sup>nd</sup> Year of the Student Conference between Japan and Vietnam:** Leader, organized in cooperation with 23 Japanese and 83 Vietnamese students for discussions, study tours, cultural exchanges, etc.
- **The 35th Memorial Anniversary Event of Japan-Vietnam Diplomatic Ties,** Awardee, as a representative of The 2<sup>nd</sup> year of the students activities, selected by the Embassy of Japan
- **Japanese Student Services Organization Scholarship,** Government of Japan, June 2013
- **The 100th Anniversary of School of Economics Scholarship,** Chuo University, October 2009

## PROFESSIONAL ASSOCIATIONS

---

American Economic Association (since June 2016)