

Personal Data

Name: Jo-Ting Huang-Lachmann
Birth name: Jo-Ting Huang
Date of Birth: October 15th, 1987
Place of Birth: Taichung, Taiwan
E-mail: jo-ting.huang-lachmann@hereon.de
Family status: Married, with two children



Education

2021 **PhD**
Chair of Sustainability Management and Environmental Accounting,
Faculty of Business and Economics, **TU Dresden, Germany**
*Thesis: Money Talks but Actions Speak Louder: Benefits Motivating
Cities to Adapt to Climate Change*
Supervisor: Prof. Dr. Edeltraud Günther
Second supervisor: Prof. Dr. Georg Hirte

2017 **Visiting Researcher**
School of Geography, **University of Leeds, UK**

2012 **Master of Science**
Environmental and Energy Management at the Faculty of
Management and Governance of the **University of Twente, The
Netherlands**
*Thesis: A Theoretical Model of the Porter Hypothesis and
Institutional Economics: Climate Adaptation in Hamburg and
Rotterdam*
Supervisor: Prof. Dr. Jon Lovett

Work Experience

10/22 – present Climate Service Center Germany (GERICS), Helmholtz-Zentrum
Hereon, Hamburg, Germany

- BMBF Junior Research Group Leader for the project 'Climate Services for Care Economy – Co-creating the Caring Society (CoCareSociety)' (from 01.10.2022 for five years)
- Work Package Leader and PI from GERICS for the EU project "The HuT: Human-Tech Nexus: Building a safe haven to cope with climate extremes" (from 01.10.2022 for four years)

03/19 – 09/21 Climate Service Center Germany (GERICS), Helmholtz-Zentrum
Hereon, Hamburg, Germany and Kaohsiung City Government, Taiwan
(co-funded position)

- Project officer for the EU-funded project 'INNOVA: Innovations in climate service provision': urban adaptation implementation and knowledge transfer among five hubs (Eckernförde, Nijmegen, Guadeloupe, Valencia, and Kaohsiung)
- Consultant for urban climate change adaptation implementation at the Kaohsiung City Government, Taiwan

- 01/18 – 02/19 National Science and Technology Center for Disaster Reduction (NCDR), Taiwan
- Coordinator (freelancer basis) for the Delegation of NCDR/TCCIP (Taiwan Climate Change Projection and Adaptation Information Platform) to visit German institutions
 - Network building for international collaborations between Taiwanese and German institutions
- 12/14 – 11/17 Chair of Sustainability Management and Environmental Accounting, Faculty of Business and Economics, TU Dresden, Germany
- Research project on economics of climate adaptation in cities (funded by DAAD)
- 01/14 – 11/14 Climate Service Center Germany, Helmholtz-Zentrum Geesthacht, Centre for Materials and Coastal Research, Germany
- Working for the project of 'Transdisciplinary communication processes' on a freelancer basis
 - Hosting a workshop on transdisciplinary dialog between science and practice
 - Building up stakeholder network in German speaking countries: Germany, Austria and Switzerland
- 09/12 – 12/13 Chair of Sustainability Management and Environmental Accounting, Faculty of Business and Economics, TU Dresden, Germany
- Research Associate for REGKLAM project: Development and testing of an integrated regional climate adaptation program for the model region Dresden
- 07/11 – 08/11 Hemholtz-Zentrum Geesthacht, Centre for Materials and Coastal Research, Germany
- Intern at LOICZ IPO (Land-Ocean Interactions in the Coastal Zone)
 - Topic: Risks and Opportunities of Climate Change in Hamburg
- 09/10 – 06/11 Asia Environmental Technical Corp., Taiwan
- Part-time project assistant for developing mitigation policy for Chiayi County, Taiwan
 - Assisting the Low-Carbon Office in New Taipei City, Taiwan
- 09/10 – 06/11 Graduate Institute of Environmental Education, National Taiwan Normal University, Taiwan
- Part-time project assistant for Green University Project
 - Carrying out project task on environmental education for urban adaptation to climate change
 - Organising international conferences
- 11/08 – 12/10 Environmental Protection Bureau, Kaohsiung City Government, Taiwan
- Intern and student representative
 - Coordination with ICLEI—Local Governments for Sustainability
 - Collection of climate mitigation and adaptation cases for local climate policy planning
 - Kaohsiung City Government Delegation to participate and present in UNFCCC COP 14, 15 and 16

List of publications

Publications (peer reviewed)

Katsaros, K., Marggraf, C., Ebi, K.L., Buyana, K., Hashizume, M., Lung, S.C., Murray, V., Thiam, S., **Huang-Lachmann, J.-T.** (2024). Exploring interconnections: A comprehensive multi-country analysis of climate change, energy demand, long-term care, and health of older adults. *Maturitas*, 184, 107961. DOI: [10.1016/j.maturitas.2024.107961](https://doi.org/10.1016/j.maturitas.2024.107961)

Gresse, E., Schrum, C., Hanf, F., Jantke, K., Pein, J., Hawxwell, T., Hoffmann, G.B., Langendijk, G., Schneider, U., **Huang-Lachmann, J.-T.**, Neuburger, M. (2023). Toward a sustainable adaptation plausibility framework. [Report available here](#)

Nishikawa, S., Bendito Torija, A., Han, Q., Lian, F., **Huang-Lachmann, J.-T.**, Popovici, A., Stevance, A.-S. (2022). Policy Brief: Closing the gap between science and practice at local levels to accelerate disaster risk reduction. International Science Council, Paris, France. <https://council.science/publications/closing-the-gap>

Costa, M.M., Oen, A., Nettet, T., Celliers, L., Suhari, M., **Huang-Lachmann, J.-T.**, Pimentel, R., Blair, B., Jeurig, J., Rodriguez-Camino, E., Photiadou, C. (2022). Co-production of climate services: A diversity of approaches and good practice from the ERA4CS projects (2017–2021). DOI: [10.1016/j.cliser.2021.100233](https://doi.org/10.1016/j.cliser.2021.100233)

Sillmann, J., Christensen, I., Hochrainer-Stigler, S., **Huang-Lachmann, J.-T.**, Juhola, S., Kornhuber, K., Mahecha, M., Mechler, R., Reichstein, M., Ruane, A.C., Schweizer, P.J. (2022). ISC-UNDRR-RISK KAN briefing note on systemic risk. [Report available here](#)

Swart, R., Celliers, L., Collard, M., Prats, A.G., **Huang-Lachmann, J.-T.**, Sempere, F.L., Timmermans, W. (2021). Reframing climate services to support municipal and regional planning. *Climate Services*, 22, 100227. DOI: [10.1016/j.cliser.2021.100227](https://doi.org/10.1016/j.cliser.2021.100227)

Huang-Lachmann, J.-T., Guenther, E. (2020). From dichotomy to an integrated approach: Cities' benefits of integrating climate change adaptation and mitigation. *Sustainability*, 12(18), 7591. DOI: [10.3390/su12187591](https://doi.org/10.3390/su12187591)

Gulizia, C., Langendijk, G., **Huang-Lachmann, J.-T.**, de Amorim Borges, P., Flach, R., Githaiga, C., Rahimi, M. (2020). Towards a more integrated role for early career researchers in the IPCC process. *Climatic Change*, 159(1), 75-85. DOI: [10.1007/s10584-019-02604-5](https://doi.org/10.1007/s10584-019-02604-5)

Huang-Lachmann, J.-T. (2019). Systematic review of smart cities and climate change adaptation. *Sustainability Accounting, Management and Policy Journal*, 10(4), 745-772. DOI: [10.1108/SAMPJ-03-2018-0052](https://doi.org/10.1108/SAMPJ-03-2018-0052)

Huang-Lachmann, J.-T., Hannemann, M., Guenther, E. (2018). Identifying links between economic opportunities and climate change adaptation: Empirical evidence of 63 cities. *Ecological Economics*, 145, 231-243. DOI: [10.1016/j.ecolecon.2017.09.001](https://doi.org/10.1016/j.ecolecon.2017.09.001)

Huang-Lachmann, J.-T., Lovett, J.C. (2016). How cities prepare for climate change: Comparing Hamburg and Rotterdam. *Cities*, 54, 36-44. DOI: [10.1016/j.cities.2015.11.001](https://doi.org/10.1016/j.cities.2015.11.001)

Published books and documents

Huang-Lachmann, J.-T. (2021). *Money Talks But Actions Speak Louder: Benefits Motivating Cities to Adapt to Climate Change* (Doctoral dissertation, Technische Universität Dresden).

Brinkmann, C., Bergmann, M., **Huang-Lachmann, J.-T.**, Rödder, S., & Schuck-Zöller, S. (2015). Zur Integration von Wissenschaft und Praxis als Forschungsmodus - Ein Literaturüberblick. *Report 23*, Climate Service Center Germany, Hamburg.

Brinkmann, C., Schuck-Zöller, S., Bergmann, M., **Huang-Lachmann, J.-T.**, & Rödder, S. (2015). Die Einbindung von Praxisakteuren in transdisziplinärer Forschung als sozialer Prozess. In H. Korn, K. Bockmühl, & R. Schliep (Eds.), *Biodiversität und Klima: Vernetzung der Akteure in Deutschland XI. – Ergebnisse und Dokumentation der 11. Tagung*. BfN-Skripten 389, 76-79.

DIN SPEC 35810: 2014-11. *Stakeholder Engagement - Guidelines for decision making processes dealing with climate change*. (Initiator: TU Dresden, Chair of Environmental Management and Accounting. Content coordination: **Jo-Ting Huang**).

Conference presentations (selected)

Lukman, C.S., and **Huang-Lachmann, J.-T.** (2024). Integrating Disaster Risk Reduction and Climate Change Adaptation: A Critical Review on Methodologies Addressing Multi-Hazard Risks. *EGU24 EGU24-3784*.

Marggraf, C., and **Huang-Lachmann, J.-T.** (2024). The interconnections between household energy, health, and climate change: a comprehensive umbrella review. In *EGU General Assembly Conference Abstracts*, p. 8032.

Sillmann, J., Christensen, I., Hochrainer-Stigler, S., **Huang-Lachmann, J.-T.**, Juhola, S.K., Kornhuber, K., Mahecha, M., Mechler, R., Reichstein, M., Ruane, A.C., and Schweizer, P.J. (2022). Systemic risk from the perspective of climate, environmental, and disaster risk science and practice. In *EGU General Assembly Conference Abstracts*, EGU22-10250.

Huang-Lachmann, J.-T. (2018). Systematic Review of Climate Adaptation Benefits in Cities. *15th Congress of the International Society for Ecological Economics*, 12 September, Puebla, Mexico. (Oral Presentation).

Gulizia, C., Langendijk, G., **Huang-Lachmann, J.-T.**, De Amorim, P.B., Rahimi, M., Flach, R., and Githaiga, C. (2018). Towards a more integrated role for early career researchers in the IPCC process. *Deutschen IPCC-Jahrestagung*, 26-27 February, Nauen, Germany. (Poster).

Huang-Lachmann, J.-T. (2017). Benefits and Opportunities of Climate Adaptation in Cities: Findings of Systematic Literature Review. *21st Conference of the Environmental and Sustainability Management Accounting Network (EMAN): Sustainability Accounting and Control for Smart Cities*, 27-29 June, Liège, Belgium. (Oral Presentation).

IPCC-Future Earth-PROVIA Workshop on Integrated research on climate risk and sustainable solutions across IPCC working groups: [Lessons learnt from the AR5 to support the AR6](#) (2016). 29-31 August 2016, Stockholm, Sweden (Contributed to Regional Task Group).

Huang, J.-T., Bergmann, M., Brinkmann, C., Rödder, S., & Schuck-Zöller, S. (2014). Transdisciplinary communication processes supporting integration strategies—overview of approaches in climate change adaptation. *REKLIM Conference*, Berlin, Germany. (Oral Presentation).

Huang, J.-T., Bergmann, M., Brinkmann, C., Rödder, S., & Schuck-Zöller, S. (2014). Transdisciplinary communication and stakeholder integration in climate change adaptation. *14th EMS/10th ECAC Conference*, Prague, Czech Republic. (Poster).

Huang, J.-T., and Lovett, J. (2014). Transforming Climate Change Risks into Opportunities: Cases of Cities Showing Synergies in Mitigation, Adaptation, and Energy. *Cities, Energy and Climate Change Mitigation Conference*, Leeds, UK. (Oral Presentation).

Huang, J.-T., and Guenther, E. (2013). Cost and choice—how economic incentives drive cities to adapt to climate change despite uncertainty. *Interdisciplinary Conference of Young Earth System Scientists*, Hamburg, Germany. (Oral Presentation and Poster).

Huang, J.-T. (2013). Assessing Benefits of Local Climate Change Adaptation—Linkage between Environmental Performance in Climate Adaptation and Economic Performance in Cities. *Porter and Eco-innovation Workshop*, Leeds, UK. (Poster).

Huang, J.-T., and Guenther, E. (2013). Economic opportunities in climate change adaptation: case study of cities. *Climate Change and Regional Response 2013*, Dresden, Germany. (Oral Presentation).

Huang, J.-T., and Guenther, E. (2013). Climate Change as Opportunities for Cities—Innovations in Adaptation Policy. *Conference: Improving Energy Access through Climate Finance: Picking the Winners*, University of Twente, the Netherlands. (Oral Presentation).

Huang, J.-T., and Lovett, J. (2012). A theoretical model of the Porter hypothesis and institutional economics: climate change adaptation in Hamburg and Rotterdam. *6th Workshop on Social Sciences in Climate Change Adaptation*, University of Kassel, Germany. (Oral Presentation).

Funding and Awards

01/10/2022 – 30/09/2027	BMBF Junior Research Group 'Climate Services for Care Economy – Co-creating the Caring Society (CoCareSociety)' (€ 2.164 million funded directly to Jo-Ting Huang-Lachmann, following her)
01/10/2022 – 30/09/2026	EU Horizon Europe Project 'The HuT (Human-Tech Nexus): Building a safe haven for coping with climate extremes' (Total funding: € 4.9 Million, with € 454K for GERICS)
27/06/2017 – 29/06/2017	Travel Awards for Conferences received from Graduate Academy, TU Dresden, Germany (€ 800)
03/04/2017 – 13/05/2017	Travel Grants for short-term research stays Award from Graduate Academy, TU Dresden, Germany for research stay at School of Geography, University of Leeds, UK (€ 3000)

2014 – 2017	DAAD Doctoral Scholarship for Research Project at Chair of Environmental Management and Accounting, Faculty of Business and Economics, TU Dresden, Germany (€ 36000)
01/09/2011 – 31/08/2012	DELTA/NTIO Joint Environmental Scholarship, Taiwan-The Netherlands for Master of Environmental and Energy Management, University of Twente, the Netherlands (€ 7000)
01/07/2011 – 30/08/2011	National Science Council/DAAD Summer Institute Program, Taiwan-Germany for research at Helmholtz-Zentrum Geesthacht, Germany (€ 3400)
Yearly Award of 2010	Outstanding Award of Technological and Vocational Education, Ministry of Education, Taiwan
Yearly Award of 2010	National Youth Contribution Award of International Participation in Individual Category, Executive Yuan, Taiwan
20/06/2010 – 26/08/2010	International Affairs Training Program, Ministry of Foreign Affairs, Taiwan for summer sessions at UCLA (University of California, Los Angeles), USA (€ 4500)

Teaching Activities

2023 to present	Interdisciplinary lecture series on climate change and health, University of Hamburg, Germany (Guest lecturer)
2022 – 2023	Local climate adaptation implementation (lecture and exercise), Leuphana University Lüneburg, Germany (Guest lecturer)
From 2018 – 2021	Several trainings teaching on the topics of climate change adaptation, urban resilience, disaster risk reduction, etc. <ul style="list-style-type: none"> ▪ Kaohsiung City Government, Taiwan ▪ NCDR/TCCIP, Taiwan ▪ ITESO, Mexico
16/06/2014 – 27/06/2014	Module: Stakeholder Engagement (ICREP Short Course: Formulating Project Proposals For Climate Change Mitigation And Clean Energy), University of Twente, the Netherlands
16/06/2014 – 27/06/2014	Module: Mitigation and Adaptation to Climate Change (ICREP Short Course: Formulating Project Proposals For Climate Change Mitigation And Clean Energy), University of Twente, the Netherlands
16/06/2014 – 27/06/2014	Module: Proposal Writing and Project Management (ICREP Short Course: Formulating Project Proposals For Climate Change Mitigation And Clean Energy), University of Twente, the Netherlands

- 15/10/2013 – 31/03/2014 Content Analysis, Faculty of Business and Economics, TU Dresden, Germany
- 01/10/2013 – 01/10/2013 Climate Change and Climate Change Policy, Master of Environmental and Energy Management, University of Twente, the Netherlands
- 01/10/2012 – 31/03/2013 Teaching Case Seminar on Topic of Climate Change Adaptation in the City Governments, Faculty of Business and Economics, TU Dresden, Germany

Organization of scientific meetings

- 25/11/2014 – 26/11/2014 Workshop coordinator, Dialogue between Science and Practice, Hamburg, Germany (scientific workshop, 70 participants)
- 23/03/2011 – 25/03/2011 Organizing committee member, 2011 International Forum for a Low Carbon Vision, Taipei, Taiwan (scientific conference, 200 participants)

Reviewer

Climate Services

Nature Urban Sustainability

International Journal of Sustainable Energy Planning and Management

Science of the Total Environment

Sustainability Accounting, Management and Policy Journal

International Science Council proposals

Supervision

PhD students and Master students at the University of Hamburg and GERICS

Master students at the Resilience of Climate Change in Cities (Technische Universität Dresden)

Bachelor, Master and PhD students at the International Hackathon events

Memberships

09/01/2019 – present Steering Committee of Future Earth Knowledge Action Network on Emergent Risks and Extreme Events (Risk KAN)

06/06/2016 – 2019 Executive Committee and Council Member of The Young Earth System Scientists (YESS) Community

Funded Travels to International Conferences

2019 – present Several annual conferences: Sustainability Research and Innovation Congress, International Society for Ecological Economics, Future Earth Assembly Meeting

28/06/2018 – 29/06/2018	Future Earth Risk KAN Meeting, Paris, France
22/01/2018 – 24/01/2018	Early Career Network of Networks 2018 Meeting, London, UK
22/11/2017 – 25/11/2017	Global Forum on Science and Technology for Disaster Resilience 2017 (Resilience Forum 2017), and Future Earth Risk KAN Scoping Workshop, Tokyo, Japan
17/03/2017 – 23/03/2017	Future Earth Science and Engagement Committee Meeting, Montreal, Canada
29/08/2016 – 31/08/2016	Early Career Scientist Representative selected by WCRP (WMO World Climate Research Program), IPCC-Future Earth-PROVIA Workshop: identifying the gaps to be addressed in AR6, Stockholm, Sweden
31/10/2011 – 02/11/2011	Panellist in Session of Barriers and Bridges, Integrated Research on Disaster Risk (IRDR) Conference 2011: Disaster Risk: Integrating Science and Practice, Beijing, China
03/06/2011 – 05/06/2011	Representative of Kaohsiung City Government to attend Resilient Cities 2011— The Annual Global Forum on Urban Resilience and, Bonn, Germany
04/12/2010 –12/12/2010	Representative of Kaohsiung City Government to attend U.N. Framework Convention on Climate Change COP 16, Cancun, Mexico
28/05/2010 – 30/05/2010	Representative of Kaohsiung City Government to attend Resilient Cities 2010—First World Congress on Cities and Adaptation to Climate Change, Bonn, Germany
07/12/2009 – 18/12/2009	Representative of Kaohsiung City Government to attend U.N. Framework Convention on Climate Change COP 15, Copenhagen, Denmark and Presenter in the session of ICLEI—Local Government Climate LOUNGE: “Kaohsiung City: Towards a Sustainable Future”, Denmark
09/11/2009 – 15/11/2009	Delegate of Chinese Taipei to attend APEC (Asia-Pacific Economic Cooperation), Singapore
01/07/2010 – 30/08/2010	Representative of Kaohsiung City Government to attend U.N. Framework Convention on Climate Change COP 14, Poznan, Poland

Linguistic Skills

English	full professional proficiency
German	professional working proficiency
Chinese	native proficiency
Taiwanese	native proficiency
Japanese	elementary proficiency

General Skills

Microsoft Office, R, RQDA, RetScreen, Tableau, MAXQDA, cost-benefit and cost-effective analysis, multi-criteria analysis, CDM methodologies, energy management auditing

Volunteer work

Offering CV checks, funding proposal revisions for researchers from developing and the least developed countries through early career networks (since 2017)

Das Teemobil e.V.: teaching children at the refugees' temporary residence in Bergedorf, Germany (2015-2016)

Earthquake and typhoon aftermath disaster relief: teaching children at the temporary residence in Taiwan (2008-2009)

Churches in Singapore: teaching at summer camp for children and after-school activities (2004)

Hobbies

Bike tours, Ukulele, camping, snorkeling