



Wisdom Kanda, Ph.D., (Senior Associate Professor, docent) – CV

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Presentation

Wisdom Kanda is a senior associate professor in environmental technology and management at Linköping University. His research focuses on accelerating eco-innovation and circular economy transitions.

Education

- **Docent** in Sustainable System Analysis, Linköping University, (24th May 2022).
- **Doctoral degree** “Stimulating the diffusion of environmental technology through export,” Linköping University, (January 2013 – September 2017).
- **Licentiate degree** “Promotion of environmental export: Governmental initiatives and business concepts,” Linköping University, (January 2013 – September 2014).
- **Master’s degree** “Electrical and Electronic waste management in Botswana,” Linköping University, (August 2009 – June 2011).

Current employment

Senior associate professor in environmental management, 10% teaching, 15% leadership, 75% research, Linköping University, Department of Management and Engineering, Division of Environmental Technology and Management, (January 2024 – Ongoing).

Head of unit for sustainable development and strategies, Linköping University, Department of Management and Engineering, Division of Environmental Technology and Management, (2021 – Ongoing).

Past employment

Senior lecturer, associate professor in environmental management, Linköping University, Division of Environmental Technology and Management, (March 2019 – December 2023).

Post-doctoral Researcher, Linköping University, Division of Environmental Technology and Management, (January 2018 – February 2019).

Research stays abroad

- **University of Botswana, Botswana**, research on waste electrical and electronic waste management in Botswana, host Prof. Philemon Odirile – (March – May 2011)
- **De La Salle University, Philippines**, research on sustainable production and consumption in the Philippines, host Prof. Anthony Shun Fung Chiu – (July 2022)
- **Federal University of Rio de Janeiro (UFRJ)**, research on the scaling the development and use of biogas and biomethane in Brazil, host Prof. Vinicius Peruzzi de Oliveira – (August 2023)
- **Borderstep Institute for Innovation and Sustainability, Berlin Germany**, research on entrepreneurial ecosystems for eco-innovation, host Jens Claussen – (October 2024)
- **Indiana University Bloomington**, research on entrepreneurship in a circular economy in USA, host Prof. David B. Audretsch – (June – August 2025)
- **University of South Africa**, Honorary Professor, research exchange and stay on innovation and entrepreneurship for sustainability – (October 2024 – September 2027)

Supervision experience – Graduate research

1. **Hanna Zanatta (earned licentiate degree in January 2024)**, “The diffusion of biogas systems in Brazil”, **Main supervisor:** Wisdom Kanda
2. **Johanna Kästel (ongoing PhD at Linköping University from January 2024)**, “Enhancing entrepreneurial ecosystem competence for circular economy in rural regions”, **Main supervisor:** Wisdom Kanda
3. **Karl Eldebo (ongoing PhD at Linköping University from September 2021)**, “Matchmaking between start-ups and incumbents in a circular economy”, **deputy-supervisor:** Wisdom Kanda
4. **Xiuyue Shan (ongoing PhD at Linköping University from October 2022)** “The influence of EU policy on the development of biogas systems in EU member states” **deputy-supervisor:** Wisdom Kanda
5. **Venus Krantz (earned licentiate degree in October 2022)**, “Implementation of the Sustainable Development Goals in Swedish municipalities”, **deputy-supervisor:** Wisdom Kanda

Teaching

A total of ca. 3924 hours expended in teaching both at the undergraduate and master’s level. Supervisor for 25 master theses and supervisor for 20 undergraduate theses at Linköping University.

Commission of trust

- Associate editor for the journal of Environmental Innovations and Societal Transitions
- Steering group member for Sustainability Transitions Research Network
- Active peer reviewer for several journals – Research Policy, Technology Forecasting and Social Change, Business Strategy and Environmental, Journal of Cleaner Production
- 5 times PhD opponent and grading committee member in Sweden, Australia, Finland, Ghana, Spain

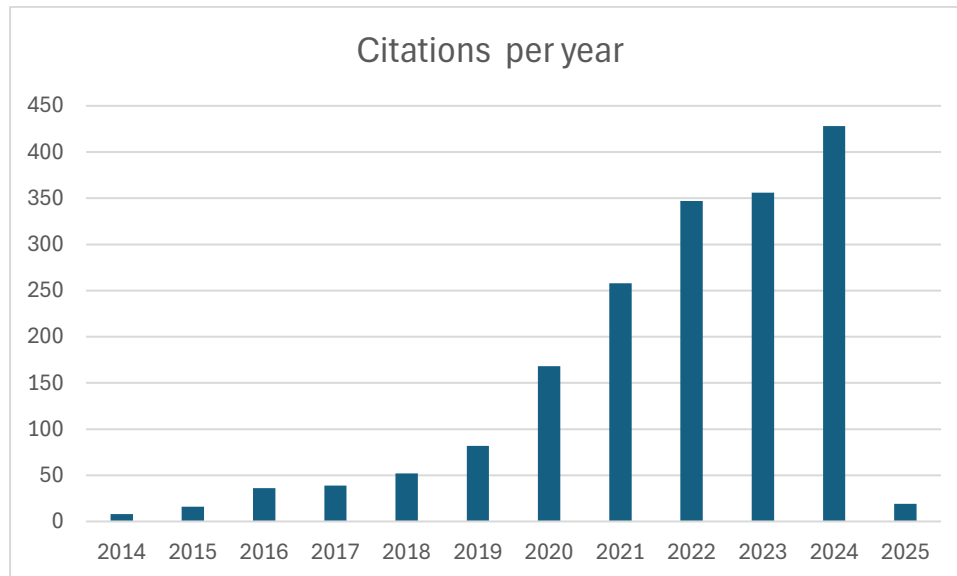
Research grants received

1. **3 996 000 SEK** research grant for early-career promising researchers from FORMAS - A Swedish Research Council for Sustainable Development (2021-2025, Main applicant - Wisdom Kanda, co-applicants - Dzamila Bienkowska and Magnus Klofsten).
2. **4 400 000 SEK** research on Enhancing the competence in entrepreneurial ecosystems in rural regions to support circular ventures from Familjen Kamprads stiftelse (2024-2026, Main applicant – Wisdom Kanda, co-applicants – Magnus Klofsten)
3. **8 962 000 SEK** research grant for interaction platform on system transformation from Vinnova – Sweden’s innovation agency (2024 – 2026, Main applicant – Magnus Nilsson, co-applicants – several including Wisdom Kanda)
4. **6 300 000 SEK** research on entrepreneurship in rural areas from Familjen Kamprads stiftelse (2022-2025, Main applicant - Dzamila Bienkowska, co-applicants - Wisdom Kanda, Charlotte Norrman, Magnus Klofsten, Oleksiy Guzhva).
5. **5 000 000 SEK** research on exploring future markets for sustainable fertilizers to support safe and profitable food production in Sweden from Familjen Kamprads stiftelse (2023 – 2025, Main applicant Roozbeh Feiz, co-applicants - Mikael Ottosson, Wisdom Kanda, Alexander Flaig)
6. **6 045 405 SEK** research grant from Energimyndigheten for research on the role of biogas in the future Swedish energy system (2022-2025, Main applicant - Thomas Magnusson, co-applicant - Wisdom Kanda).
7. **200 000 SEK** research on Sweden collaborating with Philippines for Sustainable Production and Consumption from FORMAS - A Swedish Research Council for Sustainable Development (2022, Main applicant – Tomohiko Sakao, Co-applicant – Wisdom Kanda

Wisdom Kanda – Publication list

Overview (citation data from Google Scholar, January 2025)

Peer-reviewed articles	30
Papers as first and/or corresponding author	17
Conference papers	20
Scientific technical reports	5
Book chapters	3
Total number of citations	1850
h-index	17



Peer reviewed scientific articles

Ten most important publications for application marked with (*)

1. Aryee, R., & **Kanda, W.** (2024). A strategic framework for analysing the effects of circular economy practices on firm performance. *Journal of Cleaner Production*, 143753.
2. Feiz, R., & **Kanda, W.** (2024). Nordic biogas model in international contexts: Early-stage decision support for adaptation. *Waste Management & Research*, 0734242X241261998.
3. *Klofsten, M., **Kanda, W.**, Bienkowska, D., Bocken, N., Mian, S., & Lamine, W. (2024). Start-ups within entrepreneurial ecosystems: Transition towards circular economy. *International Small Business Journal*, 02662426241227520.
4. ***Kanda, W.**, Klofsten, M, Bienkowska, D, Henry, M, Hjelm, O, 2024. Challenges of circularnew ventures: An empirical analysis of 70 cases. *Journal of Cleaner Producti on*, 141103.
5. Tabas, A. M. **Kanda, W.** (2024). Circular entrepreneurial ecosystem: a hybrid review and research agenda. *International Journal of Entrepreneurship and Small Business*, 0-0.

6. ***Kanda, W.** (2023). Systems and Ecosystems in the Circular Economy: What's the Difference?. *Circular Economy*, 1(3), 1-10.
7. *Sakao, T., **Kanda, W.**, Esguerra, J. L., & Chiu, A. S. F. (2023). Beyond the global north: Adopting a global perspective for sustainable consumption and production. *Resources, Conservation and Recycling*, 193.
8. Aliahmad, A., **Kanda, W.**, & McConville, J. (2023). Urine recycling-Diffusion barriers and upscaling potential; case studies from Sweden and Switzerland. *Journal of Cleaner Production*, 414, 137583.
9. *Magnusson, T., Zanatta, H., Larsson, M., **Kanda, W.**, & Hjelm, O. (2022). Circular economy, varieties of capitalism and technology diffusion: Anaerobic digestion in Sweden and Paraná. *Journal of Cleaner Production*, 335, 130300.
10. Dahlgren, S., **Kanda, W.**, & Anderberg, S. (2022). Drivers for and barriers to biogas use in manufacturing, road transport and shipping: a demand-side perspective. *Biofuels*, 13(2), 177-188.
11. **Kanda, W.**, Hjelm, O., Johansson, A., & Karlkvist, A. (2022). Intermediation in support systems for eco-innovation. *Journal of Cleaner Production*, 371, 133622.
12. **Kanda, W.**, Zanatta, H., Magnusson, T., Hjelm, O., & Larsson, M. (2022). Policy coherence in a fragmented context: the case of biogas systems in Brazil. *Energy Research & Social Science*, 87, 102454.
13. **Kanda, W.**, & Hjelm, O. (2021). Drivers for and barriers to the diffusion of biogas technologies through export. *Technological Forecasting and Social Change*, 168, 120780.
14. ***Kanda, W.**, Geissdoerfer, M., & Hjelm, O. (2021). From circular business models to circular business ecosystems. *Business Strategy and the Environment*, 30(6), 2814-2829.
15. ***Kanda, W.**, Kuisma, M., Kivimaa, P., & Hjelm, O. (2020). Conceptualising the systemic activities of intermediaries in sustainability transitions. *Environmental Innovation and Societal Transitions*, 36, 449-465.
16. Fenton, P., Chimenti, G., & **Kanda, W.** (2020). The role of local government in governance and diffusion of Mobility-as-a-Service: exploring the views of MaaS stakeholders in Stockholm. *Journal of Environmental Planning and Management*, 63(14), 2554-2576.
17. ***Kanda, W.**, & Kivimaa, P. (2020). What opportunities could the COVID-19 outbreak offer for sustainability transitions research on electricity and mobility?. *Energy Research & Social Science*, 68, 101666.

18. ***Kanda, W.**, del Río, P., Hjelm, O., & Bienkowska, D. (2019). A technological innovation systems approach to analyse the roles of intermediaries in eco-innovation. *Journal of Cleaner Production*, 227, 1136-1148.
19. Kant, M., & **Kanda, W.** (2019). Innovation intermediaries: What does it take to survive over time?. *Journal of Cleaner Production*, 229, 911-930.
20. ***Kanda, W.**, Hjelm, O., Clausen, J., & Bienkowska, D. (2018). Roles of intermediaries in supporting eco-innovation. *Journal of Cleaner Production*, 205: 1006 -1016.
21. Mignon, I., & **Kanda, W.** (2018). A typology of intermediary organizations and their impact on sustainability transition policies. *Environmental Innovation and Societal Transitions*.
22. **Kanda, W.**, & Matschewsky, J. (2018). An exploratory expansion of the concept of product-service systems beyond products and services. In *Procedia CIRP* (Vol. 73, pp. 185-190). Elsevier.
23. Fenton, P., & **Kanda, W.** (2017). Barriers to the diffusion of renewable energy: studies of biogas for transport in two European cities. *Journal of Environmental Planning and Management*, 60(4), 725-742.
24. **Kanda, W.**, Hjelm, O., Kairento, K., & Nygård, M. (2016). Export of environmental technologies by publicly owned companies: approaches, drivers and obstacles among Swedish municipal companies. *European Planning Studies*, 24(12), 2175-2196.
25. **Kanda, W.**, Tomohiko, S., & Hjelm, O. (2016). Components of business concepts for the diffusion of large scaled environmental technology systems. *Journal of Cleaner Production*, 128, 156-167.
26. **Kanda, W.**, Mejiá-Dugand, S., & Hjelm, O. (2016). Promoting the export of environmental technologies: An analysis of governmental initiatives from eight countries. *Journal of Environmental Development*, 17, 73-87.
27. Mejiá-Dugand, S., **Kanda, W.**, & Hjelm, O. (2016). Analysing city networks for sustainability: A study of five major Swedish cities. *Journal of Cleaner Production*, 134: 61-69.
28. Bank, N., **Kanda, W.** (2016). Tenant recruitment and support processes in sustainability-profiled incubators. *Journal of Industry and Higher Education*, 30(4), 267-277.
29. **Kanda, W.**, Mejiá-Dugand, S., & Hjelm, O. (2015). Governmental export promotion initiatives: awareness, participation, and perceived effectiveness among Swedish environmental technology firms. *Journal of Cleaner Production*, 98: 222-228
30. Taye, M., **Kanda, W.**, Krook, J., & Lindahl, M. (2014). E-Waste in Gaborone, Botswana—Assessing the Generation, Handling Practices, and Strategies for Improvement. *The Journal of Solid Waste Technology and Management*, 40(4), 349-356.

Conference papers

Kanda, W., Magnusson, T., & Hjelm, O. (2024). Why do intermediaries exist in sustainability transitions: A theory. 14th IST Conference, 30th August –1st September, Utrecht, Netherland.

Magnusson, T., Kanda, W., Ottosson., M & Dahlgren, S. (2023). Market-shaping in a destabilized regime: Declining supply as a window of opportunity for renewable substitutes? 14th IST Conference, 30th August –1st September, Utrecht, Netherland.

Kambanou, M. L., Hjlem, O., Kanda, W. (2023). Circular business model innovation tools – requirements from support system actors. XXXIV ISPIM Innovation and Circular Economy Conference, 4 – 7 June, Ljubljana, Slovenia.

Kanda, W., Bienkowska, D., Klofsten, M., Marvin, H., & Hjelm, O. (2022, November). Challenges of start-ups developing circular business models. In *Interdisciplinary Conference on Innovation, Design, Entrepreneurship, And Sustainable Systems* (pp. 139-148). Cham: Springer International Publishing.

Kanda, W., Bienkowska, D., & Klofsten, M. (2023). New ventures and circular business models—overcoming the liabilities of newness. 43rd Babson College Entrepreneurship Research Conference (BCERC), 7-10 June, Knoxville, Tennessee.

Kanda, W., Kuisma, M, Kivimaa, P, Hjelm, O. (2018). Conceptualising the system level activities of intermediaries-experiences from support systems for eco-innovators in Finland, Germany and Sweden. 9th IST Conference, 12-14 June, Manchester, UK.

Kanda, W., Mignon, I. (2017). Intermediaries in sustainability transitions - differences and similarities of relevance for policy. 8th IST Conference, 18-21 June, Gothenburg, Sweden.

Kanda, W., del Rio Gonzalez, P., Hjelm, O., & Bienkowska, D. (2015, forthcoming). A function of innovation systems approach for analyzing the roles of intermediaries in eco-innovation (Global Cleaner Production Conference, 1-4 Nov, Barcelona-Spain)

Kanda, W., Claussen, J., Hjelm, O., & Bienkowska, D. (2015, forthcoming). The functions of intermediaries in eco-innovation: a study of business development organizations and cluster initiatives in a Swedish and German region (Global Cleaner Production Conference, 1-4 Nov, Barcelona-Spain)

Kanda, W., Claussen, J., Hjelm, O., & Bienkowska, D. (2015). Functions of intermediaries in eco-innovation (Poster presented at the Global Cleaner Production Conference, 1-4 Nov, Barcelona-Spain)

Kanda, W., & Hjelm, O. (2014). An approach for analyzing public support systems for eco-innovations: Lessons from two German and Swedish regions. In 18th Annual Interdisciplinary Entrepreneurship Conference, November 13-14, 2014, Oldenburg, Germany.

Kanda, W., Hjelm, O., & Bienkowska, D. (2014). Boosting eco-innovation: The role of public support organizations. In *XXV ISPIM Conference on Innovation for sustainable Economy and Society, Dublin, Ireland, June 8-11, 2014.*

Mejiá-Dugand, S., Kanda, W., & Hjelm, O. (2014). Analyzing city networks for the diffusion of environmental innovations: A study of five major Swedish cities. In *17th European Roundtable on Sustainable Consumption and Production (ERSCP 2014), 14-16 October 2014, Portoroz, Slovenia*.

Kanda, W., Mejiá-Dugand, S., & Hjelm, O. (2012). Environmental technology exports: Analyzing Swedish government and firms initiatives. GIN 2012 Conference, Linköping, Sweden.

Kanda, W. (2015). The role of intermediaries in eco-innovation. Workshop on Innovation systems for a low carbon economy:

The role for intermediaries and new innovation actors. Open University London (via Video Link), September 9, 2015

Bank, N., & Kanda, W. (2015). Sustainability profiled incubators-process for recruiting and supporting tenants. In XXVI ISPIM Innovation Conference, Budapest, Hungary, June 14-17, 2015

Bank, N., & Kanda, W. (2015). Sustainability profiled incubators-process for recruiting and supporting tenants. HTSF conference on technology-based entrepreneurship, University of Groningen Center of Entrepreneurship, June 3-5, 2015.

Other publications

Kanda, W. (2014). Promotion of environmental technology export: Governmental Initiatives and Business Concepts. Licentiate thesis number 1673. Linköping University Electronic Press.

Kanda, W. (2017). Stimulating the diffusion of environmental technologies through export. Ph.D. thesis number 1864. Linköping University Electronic Press.

Kanda, W., Hjelm, O. (2012). Environmental technology Export promotion: A study of governmental initiatives in selected countries. LIU-IEI-R; 12:005

Fichter, K., Fuad-Luke, A., Hjelm, O., Klofsten, M., Backman, M., Bergset, L., Bienkowska, D., Clausen, J., Geier, J., Hirscher, A.L., Kanda, W., Kuisma, M. (2016). SHIFTing the Support of Entrepreneurship in Eco-Innovation. Summary of results and recommendations from the Eco-Innova project SHIFT.

Berlin, Helsinki, Linköping: SHIFT

Hjelm, O., Kanda, W., & Mejiá-Dugand, S. (2013). Framgångsfaktorer för ökad export av svenskt kunnande och teknik inom avfallsområdet

Lindfors, A., Hjelm, O., Kanda, W., & Zanatta, H. (2023). Hållbar export: Definitioner, tillämpning och efterfrågan. LIU-IEI-R ; 23/345

Barrie, J., & Kanda, W. (2020). Building ecologies of circular intermediaries. In Brandão, M., Lazarevic, D., & Finnveden, G. (Eds.). (2020). Handbook of the circular economy. Edward Elgar Publishing.

Publication summary – January 2025

Category	Number of items
1. Refereed original research articles	30
2. Conference contributions	17
3. Licentiate thesis	1
4. Doctoral thesis	1
5. Reports	4
6. Book chapters	3