

# Dr. Cory Whitney

Agricultural scientist

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🌐 corywhitney | 🐦 human\_ecologist

Research interests: Decision analysis, participatory and transdisciplinary approaches, stochastic models, agroecology, agrobiodiversity, biodiversity, conservation

## Education

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Ph.D. Agricultural Sciences University of Kassel, Germany	2014 to 2018
M.Sc. Sustainable International Agriculture / International Organic Agriculture University of Göttingen & University of Kassel, Germany	2009 to 2011
B.A. Human Ecology College of the Atlantic, Bar Harbor, Maine	2001 to 2003
A.A. Natural Resources Management Sterling College, Vermont	1999 to 2001

## Employment

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Agricultural Scientist University of Bonn, Institute for Horticultural Research, Bonn, Germany	2018 to present
Research Fellow World Agroforestry, Nairobi, Kenya (based in Bonn, Germany)	2016 to 2018
Scientific staff Faculty of Life Sciences, Rhine Waal University of Applied Sciences, Kleve, Germany	2013 to 2016

## Professional experience outside academia

Bio-Human Ecology Researcher Center for Human Ecology Studies of Highlands, Laos & Vietnam	2012 to 2013
Consultant Agricultural Development Denmark Asia, Vietnam	2011 to 2012
International Relations Coordinator Nyamyangju and Gyeonggi District Government, Republic of Korea	2011 to 2011
Consultant Forest Stewardship Council (FSC), Bonn, Germany	2008 to 2010
Growing Organic Intern International Federation of Organic Agriculture Movements, Bonn, Germany	2007 to 2008
Farm Apprentice Willing Workers On Organic Farms/ Biodynamic Agriculture Movement, France	2007
Environmental Educator / Mate / Captain American Sail Training Association, Fleet of Tall Ships, United States	2002 to 2007

## Academic development

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Guest Researcher Center for Development Research, Bonn, Germany	2016 to present
Invited Speaker, Decision Theory and Development Research Cambridge Conservation Initiative, University of Cambridge, England	2018

Co-investigator  
 CGIAR-WLE-funded project • Targeting Agricultural Innovation in the northern Volta basin •  
 Probabilistic impact modelling for reservoir protection in Burkina Faso

2016 to 2017

## Honors and Awards

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Attendance • The First International Congress on Postharvest Loss Prevention (500 EUR)	2015
ADM Institute for the Prevention of Postharvest Loss, University of Illinois	
PhD of the Month	2016
Sustainable research in North Rhine-Westphalia	
Funding for ethnoecology fieldwork in Iceland and the Faroe Islands (2,000 USD)	2010
Partridge Foundation	
Trans Atlantic Partnership in Sustainable Food Systems Funding (5,000 USD)	2009
Partridge Foundation & College of the Atlantic	
ASTA Sail Training Program of the Year Award (crew of Lettie G. Howard)	2004
American Sail Training Association (ASTA), Seattle, Washington	
Best Exhibit Award	2003
Dorr Museum of Natural History, Bar Harbor, Maine	
AmeriCorps Education Award (5,000 USD)	2000
AmeriCorps Vermont, Burlington, Vermont	

## Involvement in funded research projects

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Project Advisor	2020-present
Land Use Synergies and Conflicts within the framework of the 2030 Agenda • funded by the German Federal Ministry of Education and Research under the Social-ecological Research funding priority	
Co-investigator (helped in proposal writing • 15,000 EUR)	2020
Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH-funded project • The Action Alliance for Sustainable Bananas (ABNB) project, Germany • Modelling the climate change mitigation and adaptation effects of certification measures	
Co-investigator	2018 to present
CGIAR research program on Water Land and Ecosystems (WLE) • Flagship 5, Enhancing Sustainability across Agricultural Systems (ESA) • Providing tools to help improve decisions and investments for more sustainable agricultural landscapes	
Co-investigator (helped in proposal writing • 90,000 EUR)	2018 to present
BMBF-funded project • Phenological And Social Impacts of Temperature increase – climatic consequences for fruit production in Tunisia, Chile and Germany (2017-2020) • Probabilistic modelling and decision analysis in fruit production	
Co-investigator (helped in proposal writing • 70,000 EUR)	2018 to present
Zukunftsstiftung NRW-funded project • Innovationen für NRW zur Steigerung der Ressourceneffizienz und Umweltverträglichkeit im Gartenbau (2018-2021) • Application of decision analysis approaches for assisting Calluna growers in Germany	
Co-investigator (helped in proposal writing • 30,000 GBP)	2015 to 2018
IMMANA-funded project • Probabilistic Causal Models for Nutrition Outcomes of Agricultural Actions • Development of a decision analysis approach based on Bayesian Networks for supporting development decisions in Uganda and Kenya	
Co-investigator	2011 to 2013
Human Ecology Practice Area • Center for Human Ecology Studies of Highlands • Ethnobotany studies with indigenous healers in Laos and Vietnam	

Organic Participatory Guarantee System (PGS) • Agriculture Development Denmark Asia & Vietnam Farmers Union collaborative project, Vietnam • Survey and analysis of PGS farm performance

## Collaboration partners

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Academic Institutes: Kunming Institute of Botany, China • University of Kassel, Germany • Rhine-Waal University, Germany • Makerere University, Uganda • Pontifical Catholic University of Valparaíso, Chile

Government / civil society: World Agroforestry, Nairobi, Kenya • Slow Food International, Bra, Italy • Slow Food Uganda • Social Policy Ecology Research Institute, Vietnam • Human Ecology Practice Area, Vietnam • Center for Human Ecology Studies in the Highlands of Lao PDR • IUCN Freshwater Biodiversity Unit, Global Species Programme, UK

## Service to profession

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Reviewer: Agriculture and Human Values • Agroforestry Systems • Agronomy • Agronomy for Sustainable Development • Applied Economics • Biomedical and Pharmacology • Earth's Future • Earth Science Informatics • Economic Botany • Ecosystem Services • Environment, Development and Sustainability • Ethnobiology Letters • Ethnobotany Research and Applications • Experimental Agriculture • Food Security • Foods • Forests • Frontiers in Sustainable Food Systems • Health Promotion International • Human Ecology • Human Ecology Review • International Journal of Social Economics • Journal of Ethnobiology • Journal of Ethnobiology and Ethnomedicine • Land • Land Use Policy • Medicines • Peer J • Plants • Sustainability

Editorial board member

2020-Present

Journal of Ethnobiology and Ethnomedicine

Commission member

2015-Present

IUCN (International Union for Conservation of Nature) Sustainable Use and Livelihoods Commission

Commission member

2014-Present

IUCN Commission on Environmental, Economic and Social Policy

Technical review group

2015-2019

IUCN World Conservation Congress • Hawai'i, Marseille

Panel organizer

2011

Special Workshop • Government Policies for the Promotion of Organic Agriculture with a Focus on the Asian Pacific Region, 17th IFOAM OWC, Republic of Korea

Editorial staff

2010

Journal of Agriculture in the Rural Tropics and Subtropics/ German Institute for Tropical and Subtropical Agriculture

Student Council member

2000 to 2017

Society for Economic Botany (2015-2017) • Trans Atlantic Partnership in Sustainable Food Systems Ambassador (2009-2010) • Work Colleges Consortium (2000-2001) • North American Alliance for Green Education (2000-2001) • Americorps Vermont (2000-2001)

## Academic Supervision

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Supervisor: MSc students, B. Huerta, S. Christianto, H. Do, L. Netter, T. Sandmann,

Tutor: PhD students, O. Burbano-Figueroa, E. Fernandez, Z. Heuschkel, I. Liman, G. Luu, A. Mya Mon, W. Oluoch, M. Ruett, N. Sulaiman, N. Yigzaw • MSc students, D. Ahebwe, D. Bastakoti, H. Mufumbiro, P. Phyto Hein, G. Rojas

## Teaching

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Lecturer, Modelling • Crop Systems Analysis • Decision Analysis

2018 to Present

Department of Horticultural Sciences/ ARTS Masters programs, INRES, University of Bonn, Germany • 4 semester week hours of lectures

Lecturer, Academic Writing • Introduction to R • Interdisciplinary research • Complex Systems Modelling The Bonn International Graduate School for Development Research, Center for Development Research, University of Bonn, Germany • 15 lectures a year	2018 to Present
Invited Lecturer, Introduction to R • Ethnobotany research and modelling Kunming Insitute of Botany, Yunnan, China	2019
Invited Lecturer, Sustainable Agricultural Production Systems Faculty of Life Sciences, Rhine Waal University of Applied Sciences, Germany • 3 lectures a year	2014 to 2015
Invited Field Course Instructor, Mabira Forest Biodiversity Assessment College of Agricultural and Environmental Sciences, Makerere University, Uganda	2014
Professor's Assistant Japanese Sustainable Systems, Sterling College, Vermont/ Hokkaido, Japan	2002

## Teaching outside academia

Instructor/ Mate/ Captain, Maritime Outdoor Education Programs Call of the Sea, Sailing School Vessel (SSV) Schooner Seaward, Sausalito, California, American Sail Training Association, Fleet of Tall Ships	2006 to 2007
Environmental Educator, Marine Biology and Outdoor Education Tall-ship program, SSV Schooner Tole Mour, California, Catalina Island Marine Institute (CIMI)	2004 to 2006
Educator, Maritime Based High School Programs SSV Schooner Lettie G. Howard, New York, New York City Maritime Museum/ New York Harbor School	2003 to 2004
Instructor, Outdoor Leadership Hurricane Island Outward Bound School, Maine	2002 to 2003

## Co-Supervised Theses

L. Netter. MSc Thesis, University of Bonn, Germany Agroforestry and restoration with the Gold Standard - Decision Analysis of a voluntary carbon offset label (co-supervisor with Prof. Dr. Eike Luedeling)	2020
T. Sandmann. MSc Thesis, University of Bonn, Germany Urban Agriculture in a Changing Climate - An Evidence Gap Map (co-supervisor with Prof. Dr. Eike Luedeling)	2020
S. Christianto. MSc Thesis, University of Bonn, Germany Assessing Profitability in Intervention of Agroforestry in Indonesia (co-supervisor with Prof. Dr. Eike Luedeling)	2020
H. Do. MSc Thesis, University of Bonn, Germany Helping farmers choose — Probabilistic modelling of agroforestry options in Northern Vietnam (co-supervisor with Prof. Dr. Eike Luedeling)	2019

## Other skills

Data Science	User level in R • R package developer
Reproducible reports	User level in Rmarkdown • markdown • $\LaTeX$ • pandoc
Languages	English (native speaker) • German (fluent) • French (intermediate)

## Selected publications (previous 5 years)

Peer-reviewed scientific articles (h-index = 5)

- Limán Harou, I., **Whitney, C.**, Kung'u, J., & Luedeling, E. (2020). Mapping Flood-Based Farming Systems with Bayesian Networks. *Land*, 9(10), 369. <https://doi.org/10.3390/land9100369>
- Kuyah, S., **Whitney, C.**, Jonsson, M., Sileshi, G. W., Öborn, I., Muthuri, C. W., & Luedeling, E. (2019). Agroforestry delivers a win-win solution for ecosystem services in sub-Saharan Africa. A meta-analysis. *Agronomy for Sustainable Development*, 39(5),

Bi, Y., **Whitney, C.**, Fan, Z., Yang, J., Wu, Z., Huang, W., Li, J., & Yang, X. (2020). Ring-widths of *Abies* at tree-line ecotone reveal three centuries of early winter season temperature changes in Yunnan, China. *Climate Dynamics*, 55(3–4), 945–959. <https://doi.org/10.1007/s00382-020-05303-5>

Do, H., Luedeling, E., & **Whitney, C.** (2020). Decision analysis of agroforestry options reveals adoption risks for resource-poor farmers. *Agronomy for Sustainable Development*, 40(3), 20. <https://doi.org/10.1007/s13593-020-00624-5>

Ruett, M., **Whitney, C.**, & Luedeling, E. (2020). Model-based evaluation of management options in ornamental plant nurseries. *Journal of Cleaner Production*, 271, 122653. <https://doi.org/10.1016/j.jclepro.2020.122653>

Abdusalam, A., Zhang, Y., Abudoushalamu, M., Maitusun, P., **Whitney, C.**, Yang, X.-f., & Fu, Y. (2020). Documenting the heritage along the Silk Road: An ethnobotanical study of medicinal teas used in Southern Xinjiang, China. *Journal of Ethnopharmacology*, 113012. <https://doi.org/10.1016/j.jep.2020.113012>

Lanzanova, D., **Whitney, C.**, Shepherd, K., & Luedeling, E. (2019). Improving development efficiency through decision analysis: Reservoir protection in Burkina Faso. *Environmental Modelling & Software*, 115, 164–175. <https://doi.org/10.1016/j.envsoft.2019.01.016>

Bi, Y., **Whitney, C.**, Li, J., Yang, J., & Yang, X. (2020). Spring Moisture Availability Is the Major Limitation for Pine Forest Productivity in Southwest China. *Forests*, 11(4), 446. <https://doi.org/10.3390/f11040446>

McGonigle, D. F., Rota Nodari, G., Phillips, R. L., Aynekulu, E., Estrada-Carmona, N., Jones, S. K., Koziell, I., Luedeling, E., Remans, R., Shepherd, K., Wiberg, D., **Whitney, C.**, & Zhang, W. (2020). A Knowledge Brokering Framework for Integrated Landscape Management. *Frontiers in Sustainable Food Systems*, 4, 13. <https://doi.org/10.3389/fsufs.2020.00013>

Liman Harou, I., **Whitney, C.**, Kung'u, J., & Luedeling, E. (2021). Crop modelling in data-poor environments – A knowledge-informed probabilistic approach to appreciate risks and uncertainties in flood-based farming systems. *Agricultural Systems*, 187, 103014. <https://doi.org/10.1016/j.agsy.2020.103014>

Rojas, G., Fernandez, E., **Whitney, C.**, Luedeling, E., & Cuneo, I. F. (2021). Adapting sweet cherry orchards to extreme weather events – Decision Analysis in support of farmers' investments in Central Chile. *Agricultural Systems*, 187, 103031. <https://doi.org/10.1016/j.agsy.2020.103031>

Barrio, R. del, Fernandez, E., Brendel, A. S., **Whitney, C.**, Campoy, J. A., & Luedeling, E. (2020). Climate change impacts on agriculture's southern frontier – Perspectives for farming in North Patagonia. *International Journal of Climatology*, 41(1), 726–742. <https://doi.org/10.1002/joc.6649>

Fernandez, E., **Whitney, C.**, Cuneo, I. F., & Luedeling, E. (2020). Prospects of decreasing winter chill in Chile throughout the 21st century. *Climatic Change*, 159(3), 423–439. <https://doi.org/10.1007/s10584-019-02608-1>

Mon, A. M., Shi, Y., Yang, X., Hein, P. P., Oo, T. N., **Whitney, C.**, & Yang, Y. (2020). The uses of fig (*Ficus*) by five ethnic minority communities in Southern Shan State, Myanmar. *Journal of Ethnobiology and Ethnomedicine*, 16(5). <https://doi.org/10.1186/s13002-020-00406-z>

Yigzaw, N., Mburu, J., Ackello-Ogutu, C., **Whitney, C.**, & Luedeling, E. (2019). Stochastic impact evaluation of an irrigation development intervention in Northern Ethiopia. *Science of the Total Environment*, 685, 1209–1220. <https://doi.org/10.1016/j.scitotenv.2019.06.133>

**Whitney, C.**, Bahati, J., & Gebauer, J. (2018). Ethnobotany and agrobiodiversity; valuation of plants in the homegardens of southwestern Uganda. *Ethnobiology Letters*, 9(2), 90–100. <https://doi.org/10.14237/eb1.9.2.2018.503>

**Whitney, C.**, Lanzanova, D., Muchiri, C., Shepherd, K. D., Rosenstock, T. S., Krawinkel, M., Tabuti, J. R. S., & Luedeling, E. (2018). Probabilistic decision tools for determining impacts of agricultural development policy on household nutrition. *Earth's Future*, 6(3), 359–372. <https://doi.org/10.1002/2017EF000765>

**Whitney, C.**, Luedeling, E., Hensel, O., Tabuti, J. R. S., Krawinkel, M., Gebauer, J., & Kehlenbeck, K. (2018). The role of homegardens for food and nutrition security in Uganda. *Human Ecology*, 46(4), 497–514. <https://doi.org/10.1007/s10745-018-0008-9>

**Whitney, C.**, Luedeling, E., Tabuti, J. R. S., Nyamukuru, A., Hensel, O., Gebauer, J., & Kehlenbeck, K. (2018). Crop diversity in homegardens of southwest Uganda and its importance for rural livelihoods. *Agriculture and Human Values*, 35(2), 399–424. <https://doi.org/10.1007/s10460-017-9835-3>

**Whitney, C.**, Tabuti, J. R. S., Hensel, O., Yeh, C.-h., Gebauer, J., & Luedeling, E. (2017). Homegardens and the future of food and nutrition security in southwest Uganda. *Agricultural Systems*, 154, 133–144. <https://doi.org/10.1016/j.agsy.2017.03.009>

Gebauer, J., **Whitney, C.**, & Tabuti, J. R. S. (2016). First record of baobab (*Adansonia digitata* L.) in Uganda. *Genetic Resources and Crop Evolution*, 63(5), 755–762. <https://doi.org/10.1007/s10722-016-0387-y>

**Whitney, C.**, Vang, S. M., Le Hong, G., Can, V. V., Barber, K., & Lanh, T. T. (2016). Learning with elders; human ecology and ethnobotany explorations in northern and central Vietnam. *Human Organization*, 75(1), 71–86. <https://doi.org/10.17730/0018-7259-75.1.71>

## Books and chapters

- Kuyah, S., Sileshi, G. W., Luedeling, E., Akinnifesi, F. K., **Whitney, C.**, Bayala, J., Kuntashula, E., Dimobe, K., & Mafongoya, P. L. (2020). Potential of Agroforestry to Enhance Livelihood Security in Africa. In J. C. Dagar, S. R. Gupta, & D. Teketay (Eds.), *Agroforestry for Degraded Landscapes* (pp. 135–167). Springer Singapore. [https://doi.org/10.1007/978-981-15-4136-0\\_4](https://doi.org/10.1007/978-981-15-4136-0_4)
- Kisegu, D., Kagaha, D., **Whitney, C.**, & Tabuti, J. R. S. (2019). Contribution of Smallholder Tree Growers to Increasing Tree Cover in Kaliro District. In Y. Bamutaze, S. Kyamanywa, B. R. Singh, G. Nabanoga, & R. Lal (Eds.), *Agriculture and Ecosystem Resilience in Sub Saharan Africa* (pp. 417–433). Springer International Publishing. [https://doi.org/10.1007/978-3-030-12974-3\\_19](https://doi.org/10.1007/978-3-030-12974-3_19)
- Marocco, I., Mukiibi, E., Nsenga, R., Sardo, P., Wanyu, J., & **Whitney, C.** (2018). *Uganda from Earth to Table; Traditional Products and Dishes (Second edition)*. Slow Food International.
- Sayer, C. A., Carr, J. A., & **Whitney, C. W.** (2018). The status and distribution of freshwater plants in the Lake Victoria Basin. In C. A. Sayer, L. Máiz-Tomé, & W. R. T. Darwall (Eds.), *Freshwater biodiversity in the Lake Victoria Basin: Guidance for species conservation, site protection, climate resilience and sustainable livelihoods*. (pp. 99–109). IUCN UK, IUCN Gland, Switzerland.
- Sayer, C. A., Máiz-Tomé, L., Akwany, L. O., Kishe-Machumu, M. A., Natugonza, V., **Whitney, C. W.**, Omondi, R., Nshutiyayesu, S., & Kabuye, C. S. (2018). The importance of freshwater species to livelihoods in the Lake Victoria Basin. In C. A. Sayer, L. Máiz-Tomé, & W. R. T. Darwall (Eds.), *Freshwater biodiversity in the Lake Victoria Basin: Guidance for species conservation, site protection, climate resilience and sustainable livelihoods*. (pp. 136–151). IUCN UK, IUCN Gland, Switzerland.
- Whitney, C. W.**, Omondi, R., Nshutiyayesu, S., & Kabuye, C. S. (2018). Species in the Spotlight. In C. A. Sayer, L. Máiz-Tomé, & William R. T. Darwall (Eds.), *Freshwater biodiversity in the Lake Victoria Basin: Guidance for species conservation, site protection, climate resilience and sustainable livelihoods*. (p. 150). IUCN UK, IUCN Gland, Switzerland. 10.13140/RG.2.2.18395.31529
- Whitney, C.** (2017). Transformation: A call to action. In S. von Tscharnher Fleming, N. Pick, & R. de Salis (Eds.), *The New Farmer's Almanac, Volume III: Commons of Sky, Knowledge, Land, Water* (pp. 134–136). Greenhorns.
- Christinck, A., Diarra Doka, M., Horneber, G., Kagoro Rugunda, G., Palé, G., & **Whitney, C.** (2016). *From Breeding To Nutrition: Orange-Fleshed Sweetpotatoes in Farming And Food Systems of Uganda, Kenya and Burkina Faso*. The McKnight Foundation.
- Marocco, I., Mukiibi, E., Wanyu, J., & **Whitney, C.** (Eds.). (2016). *Uganda from Earth to Table; Traditional Products and Dishes*. Slow Food International.

## Publications intended for professional communities

- Whitney, C.**, & Luedeling, E. (2018). Modeling the benefits of fruit trees in agricultural landscapes of Kenya. *4th Annual Meeting of the FLARE Network (Forests & Livelihoods: Assessment, Research, and Engagement)*.
- Whitney, C.**, Kisegu, D., Kahaga, D., & Tabuti, J. R. S. (2017). The contribution of small-holder farmers to increasing tree cover in Kaliro District. *International Conference on Ecosystem Resilience and Agricultural Productivity*.
- Buena, M. A., & **Whitney, C.** (2017). Entrepreneurial Culture And Capability of Organic Farmers' Organizations in the Philippines. In G. Rahmann, C. Andres, A. K. Yadav, R. Ardakani, V. Lowe, G. Soto, & W. H. (Eds.), *Innovative Research for Organic 3.0, Thuenen Report 54 - Volume 2* (pp. 750–753). Johann Heinrich von Thuenen-Institute.
- Do, H., **Whitney, C.**, & Luedeling, E. (2018). Agroforestry Options in Northwest Vietnam. In E. Tielkes (Ed.), *Tropentag 2018: Global food security and food safety: The role of universities* (p. 210). Margraf Publishers GmbH.
- Do, H., **Whitney, C.**, & Luedeling, E. (2019). Uncertainty analysis in agroforestry planning: A case study in Northwest Vietnam. *4th World Congress on Agroforestry*, 833.
- Fernandez, E., **Whitney, C.**, & Luedeling, E. (2019). Model Choice Matters — Sensitivity of Chill Metrics to Future Warming in Mediterranean and Temperate Environments. In E. Tielkes (Ed.), *Tropentag 2019: International Research on Food Security, Natural Resource Management and Rural Development* (p. 81). Cuvillier.
- Gebauer, J., **Whitney, C.**, & Tabuti, J. R. S. (2017). African baobab trees (*Adansonia digitata* L.) Recorded in Uganda. In A. M. Carvalho, M. Pardo de Santayana, & R. Bussmann (Eds.), *Society for Economic Botany Annual Meeting 2017* (p. 131). Instituto Politécnico de Bragança, Centro de Investigação de Montanha & Society for Economic Botany.
- Han, E., **Whitney, C.**, Niether, W., Nelson, W., & Baars, T. (2015). Effects of Biodynamic Preparation 500 (P500) Cow Horn Manure on Early Growth of Barley, Pea, Quinoa, and Tomato under Saline Stress Conditions. In E. Tielkes (Ed.), *Tropentag 2015: Management of land use systems for enhanced food security: Conflicts, controversies and resolutions* (p. 17). Cuvillier Verlag.
- Issoufou, L., **Whitney, C.**, Kungu, J., & Luedeling, E. (2017). Modelling Risk and Uncertainty in Flood-based Farming Systems in East Africa. In E. Tielkes (Ed.), *Tropentag Bonn: Future Agriculture: Socio-ecological transitions and bio-cultural shifts* (p. 289). Cuvillier Verlag.
- Kuyah, S., **Whitney, C.**, Jonsson, M., Sileshi, G., Öborn, I., Muthuri, C., & Luedeling, E. (2019). Can agroforestry enhance ecosystem services provision without reducing productivity? *4th World Congress on Agroforestry*, 323.
- Luedeling, E., Fernandez, E., & **Whitney, C.** (2018). Decrease in winter chill availability in Chile by the end of 21st century due to climate change. *Sixth Plant Dormancy Symposium*, 063.
- Luedeling, E., Leeuw, J. de, Lamanna, C., Rosenstock, T., **Whitney, C.**, & Shepherd, K. (2015). Business Decision Analysis Principles in Research for Agricultural Development. In E. Tielkes (Ed.), *Tropentag 2015: Management of land use systems for enhanced food security: Conflicts, controversies and resolutions* (pp. 216–217). Cuvillier Verlag.

Luedeling, E., **Whitney, C.**, & Fernandes, E. (2019). Dormancy modeling for warming orchards. *Proceedings of the EGU General Assembly 2019*, 21.

Luedeling, E., **Whitney, C.**, Rosenstock, T., & Shepherd, K. (2017). Modelling agricultural realities to support development decisions. In E. Tielkes (Ed.), *Tropentag Bonn: Future Agriculture: Socio-ecological transitions and bio-cultural shifts* (p. 248). Cuvillier Verlag.

Matias, D. M., & **Whitney, C.** (2018). Holistic model building: Supporting risk transfer decisions in agroforestry systems. *4th Annual Meeting of the FLARE Network (Forests & Livelihoods: Assessment, Research, and Engagement)*, 5.

Rojas, G., Fernandez, E., **Whitney, C.**, Luedeling, E., & Cuneo, I. (2020). Embracing Uncertainty in Complex Systems – Assessing Alternatives to Face Climate Change Impacts in Mediterranean Climate Orchards. *Tropentag Prague*, 1.

Shepherd, K., Luedeling, E., **Whitney, C.**, Muchiri, C., & Tamba, Y. (2019). Holistic risk-return analysis for improving planning and performance measurement of agroforestry interventions. *4th World Congress on Agroforestry*, 464.

Tasev, M., Carbone, E., Pawera, L., **Whitney, C.**, & Polesny, Z. (2019). Urban Ethnobotany: Medicinal Plants Used for the Treatment of Noncommunicable Diseases in Santa Marta, Colombia. In E. Tielkes (Ed.), *Tropentag 2019: International Research on Food Security, Natural Resource Management and Rural Development* (p. 314). Cuvillier.

Thwe, S. M., Pawera, L., **Whitney, C.**, & Polesny, Z. (2019). Agrobiodiversity of Homegardens in Pyay District, Myanmar. In E. Tielkes (Ed.), *Tropentag 2019: International Research on Food Security, Natural Resource Management and Rural Development* (p. 61). Cuvillier.

Tu Tuyet, N., & **Whitney, C.** (2017). Changes in Organic Participatory Guarantee Systems (PGS) in Northern Vietnam. In G. Rahmann, C. Andres, A. K. Yadav, R. Ardakani, H. B. Babalad, N. Devakumar, S. L. Goel, V. Olowe, N. Ravisankar, J. P. Saini, G. Soto, & W. H. (Eds.), *5th ISOFAR Scientific Conference "Innovative Research for Organic 3.0" at the 19th Organic World Congress* (pp. 784–786). Johann Heinrich von Thuenen-Institute, Braunschweig, Germany.

**Whitney, C.** (2017). Proposing a Human Ecology Model for Homegarden Research. *Proposing a Human Ecology Model for Homegarden Research*, 220.

**Whitney, C.**, Bahati, J., & Gebauer, J. (2015). Value of plants in Ugandan homegardens; results of homegardens inventories and participatory ethnobotany investigations. *Botany 2015: Science and Plants for People*, 1792.

**Whitney, C.**, Gebauer, J., Bahati, J., & Luedeling, E. (2015). Farming for food security; probabilistic simulations of farm contribution to nutrition in southwest Uganda. In E. Tielkes (Ed.), *Tropentag 2015: Management of land use systems for enhanced food security: Conflicts, controversies and resolutions* (p. 235). Cuvillier Verlag.

**Whitney, C.**, Gebauer, J., Nyamukuru, A., & Kehlenbeck, K. (2015). Food security and traditional farming systems; a case study of homegardens in Southwestern Uganda. In T. E. (Ed.), *Tropentag 2015: Management of land use systems for enhanced food security: Conflicts, controversies and resolutions* (pp. 245–246). Cuvillier Verlag.

**Whitney, C.**, Lanzasova, D., & Luedeling, E. (2017). Bayesian Networks for impact modeling of development interventions. In A. M. Carvalho, M. Pardo de Santayana, & R. Bussmann (Eds.), *Living in a global world: Ethnobotany, local knowledge and sustainability. 58th Annual Meeting of the Society for Economic Botany. Book of Abstracts* (p. 131). Instituto Politécnico de Bragança, Centro de Investigação de Montanha & Society for Economic Botany.

**Whitney, C.**, Lanzasova, D., Shepherd, K., & Luedeling, E. (2017). Nutritional impacts of transitioning from homegardens to industrial farms in Uganda. In E. Tielkes (Ed.), *Tropentag 2017: Future Agriculture: Socio-ecological transitions and bio-cultural shifts* (p. 275). Cuvillier Verlag.

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