

Dr. Cory Whitney

AGRICULTURAL SCIENTIST

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

Education

PhD • Agricultural Sciences

UNIVERSITY OF KASSEL

Witzenhausen, Germany

November 2014 to July 2018

MSc • Sustainable International Agriculture / International Organic Agriculture

UNIVERSITY OF GÖTTINGEN & UNIVERSITY OF KASSEL

Göttingen, Germany

April 2009 to May 2011

BA • Human Ecology

COLLEGE OF THE ATLANTIC

Maine, United States

September 2001 to June 2003

AA • Natural Resources Management

STERLING COLLEGE

Vermont, United States

September 1999 to July 2001

Employment

Agricultural Scientist

UNIVERSITY OF BONN, INSTITUTE OF CROP SCIENCES AND RESOURCE CONSERVATION (INRES)

Bonn, Germany

August 2018 to present

Research Fellow

WORLD AGROFORESTRY (ICRAF)

Nairobi, Kenya

October 2016 to February 2017

Scientific staff

RHINE WAAL UNIVERSITY OF APPLIED SCIENCES, FACULTY OF LIFE SCIENCES

Kleve, Germany

November 2013 to June 2017

• Professional experience outside academia

Bio-Human Ecology Researcher

CENTER FOR HUMAN ECOLOGY STUDIES OF HIGHLANDS

Lao PDR & Vietnam

April 2012 to November 2013

Consultant

AGRICULTURAL DEVELOPMENT DENMARK ASIA

Hanoi, Vietnam

November 2011 to April 2012

International Relations Coordinator

NYAMYANGJU AND GYEONGGI DISTRICT GOVERNMENT

Republic of Korea

April to November 2011

Consultant

FOREST STEWARDSHIP COUNCIL (FSC)

Bonn, Germany

January 2008 to March 2010

Growing Organic Intern

INTERNATIONAL FEDERATION OF ORGANIC AGRICULTURE MOVEMENTS

Bonn, Germany

December 2007 to Dec. 2008

Farm Apprentice

WILLING WORKERS ON ORGANIC FARMS/ BIODYNAMIC AGRICULTURE MOVEMENT

Aude, France

September to December 2007

Environmental Educator / Mate / Captain

AMERICAN SAIL TRAINING ASSOCIATION, FLEET OF TALL SHIPS

United States

May 2002 to September 2007

Academic development

Guest Researcher

CENTER FOR DEVELOPMENT RESEARCH

Bonn, Germany

October 2016 to present

Involvement in funded research projects

Principal investigator (1,260,000 EUR)

2021 to 2025

GERMAN FEDERAL OFFICE FOR AGRICULTURE AND FOOD (BLE) • NUTRITION INTERVENTION FORECASTING AND MONITORING (NIFAM)

Principal investigator (31,610 EUR)

2022 to 2024

BUNDESMINISTERIUM FÜR ERNÄHRUNG UND LANDWIRTSCHAFT (BOELN) • ETABLIERUNG VON PRIMING AN TOMATEN-JUNGPFLANZEN ALS PFLANZENSCHUTZVERFAHREN MI GARTENBAU (HORTIPRIMED)

Co-investigator* (20,000 USD)

2021 to 2022

CGIAR WLE • E-FLOWS IN SUPPORT OF THE SUSTAINABLE INTENSIFICATION OF AGRICULTURE IN THE LIMPOPO RIVER BASIN

Co-investigator* (25,800 USD)

2021 to 2022

CGIAR WLE • QUANTIFYING UNCERTAINTY IN MONITORING SOIL ORGANIC CARBON STOCK AND GREENHOUSE GAS EMISSIONS

Co-investigator* (20,000 USD)

2021 to 2022

CGIAR WLE • GENERATING CALIBRATION TRAINING SOFTWARE

Co-investigator* (3,905 EUR, total budget: 83,275 EUR)

2020 to 2022

DEUTSCHE BUNDESSTIFTUNG UMWELT (DBU) • WICHERN ET AL. POTENZIALE UND HINDERNISSE EINER REGIONALEN NÄHRSTOFFKREISLAUFWIRTSCHAFT

Co-investigator* (17,813 EUR)

2020

DEUTSCHE GESELLSCHAFT FÜR INTERNATIONALE ZUSAMMENARBEIT (GIZ) GMBH • THE ACTION ALLIANCE FOR SUSTAINABLE BANANAS (ABNB) PROJECT, GERMANY • MODELLING THE CLIMATE CHANGE MITIGATION AND ADAPTATION EFFECTS OF CERTIFICATION MEASURES

Co-investigator* (536,000 EUR)

2018 to 2021

BMF-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* (160,000 EUR)

2018 to 2021

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* (250,000 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

Principal investigator (10,000 USD)

2013

ORGANIC PARTICIPATORY GUARANTEE SYSTEM (PGS) • AGRICULTURE DEVELOPMENT DENMARK ASIA & VIETNAM FARMERS UNION COLLABORATIVE PROJECT, VIETNAM • SURVEY AND ANALYSIS OF PGS FARM PERFORMANCE

* CONTRIBUTED TO PROPOSAL WRITING

Project collaboration

Project Advisor

2020 to 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

2018 to 2021

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

2016 to 2017

CGIAR WLE-FUNDED PROJECT • TARGETING AGRICULTURAL INNOVATION IN THE NORTHERN VOLTA BASIN • PROBABILISTIC
IMPACT MODELLING FOR RESERVOIR PROTECTION IN BURKINA FASO

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

Collaboration partners

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

Editorial board member: Ethnobiology Letters • Human Ecology Review • Journal of Ethnobiology and Ethnomedicine

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 • Heliyon • 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 • Plant Diversity • Plants • Scientific Reports • Sustainability

Committee member: Research on the links between biodiversity and human health (BMBF call) • Richard Evans Schultes Student Research Award Committee • The Prince Claus Fund for Culture and Development •

IUCN (International Union for Conservation of Nature) commission member

2014 to Present

SUSTAINABLE USE AND LIVELIHOODS COMMISSION / COMMISSION ON ENVIRONMENTAL, ECONOMIC AND SOCIAL POLICY

Technical review group

2015-2019

IUCN WORLD CONSERVATION CONGRESS • HAWAII, 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

MSc: S. Christianto • H. Do • B. Huerta • J. Lutum • A. Mondragon • A. Krause • L. Netter • T. Sandmann

Academic Tutoring

PhD: O. Burbano-Figueroa • E. Fernandez • A. Krause • I. Liman • G. Luu • A. Mya Mon • W. Oluoch • M. Ruett • N. Sulaiman • N. Yigzaw

MSc: D. Ahebwe (MSc) • D. Bastakoti (MSc) • H. Mufumbiro (MSc) • P. Phyto Hein (MSc) • G. Rojas (MSc)

Teaching

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

2018 to Present

THE BONN INTERNATIONAL GRADUATE SCHOOL FOR DEVELOPMENT RESEARCH, CENTER FOR DEVELOPMENT RESEARCH, UNIVERSITY OF BONN, GERMANY • 15 LECTURES A YEAR

Invited Lecturer, Introduction to R • Ethnobotany research and modelling

2019

KUNMING INSTITUTE OF BOTANY, YUNNAN, CHINA

Invited Lecturer, Sustainable Agricultural Production Systems

2014 to 2015

FACULTY OF LIFE SCIENCES, RHINE WAAL UNIVERSITY OF APPLIED SCIENCES, GERMANY • 3 LECTURES A YEAR

Invited Field Course Instructor, Mabira Forest Biodiversity Assessment

2014

COLLEGE OF AGRICULTURAL AND ENVIRONMENTAL SCIENCES, MAKERERE UNIVERSITY, UGANDA

Professor's Assistant

2002

JAPANESE SUSTAINABLE SYSTEMS, STERLING COLLEGE, VERMONT/ HOKKAIDO, JAPAN

- Teaching outside academia

Instructor/ Mate/ Captain, Maritime Outdoor Education Programs

2006 to 2007

CALL OF THE SEA, SAILING SCHOOL VESSEL (SSV) SCHOONER SEAWARD • SAUSALITO, CALIFORNIA AMERICAN SAIL TRAINING ASSOCIATION, FLEET OF TALL SHIPS

Environmental Educator, Marine Biology and Outdoor Education

2004 to 2006

TALL-SHIP PROGRAM, SSV SCHOONER TOLE MOUR, CALIFORNIA, CATALINA ISLAND MARINE INSTITUTE (CIMI)

Educator, Maritime Based High School Programs

2003 to 2004

SSV SCHOONER LETTIE G. HOWARD • NEW YORK, NEW YORK CITY MARITIME MUSEUM/ NEW YORK HARBOR SCHOOL

Instructor, Outdoor Leadership

2002 to 2003

HURRICANE ISLAND OUTWARD BOUND SCHOOL, MAINE

Co-Supervised Theses

B. Huerta. MSc Thesis, University of Bonn, Germany

2022

THE EFFECT OF AGRICULTURAL MANAGEMENT PRACTICES ON AFLATXIN REDUCTION IN MAIZE IN MEXICO - A DECISION ANALYSIS APPROACH (CO-SUPERVISOR WITH PROF. DR. EIKE LUEDELING)

A. Krause. MSc Thesis, University of Bonn, Germany

2022

FACTORS INFLUENCING RURAL FARM WOMEN'S EMPOWERMENT IN AGRICULTURAL DEVELOPMENT (CO-SUPERVISOR WITH PROF. DR. EIKE LUEDELING)

J. Lutum. MSc Thesis, University of Bonn, Germany

2020

A DECISION ANALYSIS APPROACH TO SUPPORT COVER CROP SELECTION IN THE LOWER RHINE REGION (CO-SUPERVISOR WITH PROF. DR. EIKE LUEDELING)

L. Netter. MSc Thesis, University of Bonn, Germany

2020

AGROFORESTRY AND RESTORATION WITH THE GOLD STANDARD - DECISION ANALYSIS OF A VOLUNTARY CARBON OFFSET LABEL (CO-SUPERVISOR WITH PROF. DR. EIKE LUEDELING)

T. Sandmann. MSc Thesis, University of Bonn, Germany

2020

URBAN AGRICULTURE IN A CHANGING CLIMATE - AN EVIDENCE GAP MAP (CO-SUPERVISOR WITH PROF. DR. EIKE LUEDELING)

S. Christianto. MSc Thesis, University of Bonn, Germany

2020

ASSESSING PROFITABILITY IN INTERVENTION OF AGROFORESTRY IN INDONESIA (CO-SUPERVISOR WITH PROF. DR. EIKE LUEDELING)

H. Do. MSc Thesis, University of Bonn, Germany

2019

HELPING FARMERS CHOOSE — PROBABILISTIC MODELLING OF AGROFORESTRY OPTIONS IN NORTHERN VIETNAM (CO-SUPERVISOR WITH PROF. DR. EIKE LUEDELING)

Peer-reviewed scientific articles

- Heuschkel, Z., **Whitney, C. W.** & Luedeling, E. (2023). Shades of sustainability is there room for a new sustainability label in fruit production? *Acta Horticulturae*, (1380), 11–20., doi: 10.17660/ActaHortic.2023.1380.2
- Nyamukuru, A., **Whitney, C.**, Tabuti, J. R. S., Esaete, J. & Low, M. (2023). Allometric models for aboveground biomass estimation of small trees and shrubs in african savanna ecosystems. *Trees, Forests and People*, 100377., doi: 10.1016/j.tfp.2023.100377
- Oluoch, W. A., **Whitney, C.**, Termote, C., Borgemeister, C. & Schmitt, C. B. (2023). Indigenous communities' perceptions reveal threats and management options of wild edible plants in semiarid lands of northwestern kenya. *Journal of Ethnobiology and Ethnomedicine*, 19(1), 13., doi: 10.1186/s13002-023-00584-6
- Whitney, C.**ry, Biber-Freudenberger, L. & Luedeling, E. (2023). Decision analytical methods for assessing the efficacy of agroecology interventions. *CABI Agriculture and Bioscience*, 4(1), 9., doi: 10.1186/s43170-023-00151-9
- Burbano-Figueroa, O., Sierra-Monroy, A., David-Hinestroza, A., **Whitney, C.**, Borgemeister, C. & Luedeling, E. (2022). Farm-planning under risk: An application of decision analysis and portfolio theory for the assessment of crop diversification strategies in horticultural systems. *Agricultural Systems*, 199, 103409., doi: 10.1016/j.agsy.2022.103409
- Burbano-Figueroa, O., Sierra-Monroy, A., **Whitney, C.**, Borgemeister, C. & Luedeling, E. (2022). Profitability of farm-scale management strategies against the boll weevil in the tropics: Case study from the colombian caribbean. *Journal of Pest Science*, 95(2), 931–947., doi: 10.1007/s10340-021-01409-9
- Fernandez, E., Do, H., Luedeling, E., Luu, T. T. G. & **Whitney, C.** (2022). Prioritizing farm management interventions to improve climate change adaptation and mitigation outcomesa case study for banana plantations. *Agronomy for Sustainable Development*, 42(4), 76., doi: 10.1007/s13593-022-00809-0
- Luu, T. T. G., **Whitney, C.**, Biber-Freudenberger, L. & Luedeling, E. (2022). Decision analysis of agro-climate service scaling a case study in dien bien district, vietnam. *Climate Services*, 27, 100313., doi: 10.1016/j.cliser.2022.100313
- Netter, L., Luedeling, E. & **Whitney, C.** (2022). Agroforestry and reforestation with the gold standard-decision analysis of a voluntary carbon offset label. *Mitigation and Adaptation Strategies for Global Change*, 27(2), 17., doi: 10.1007/s11027-021-09992-z
- Oluoch, W. A., **Whitney, C. W.**, Termote, C., Borgemeister, C. & Schmitt, C. B. (2022). Integrated participatory approach reveals perceived local availability of wild edible plants in northwestern kenya. *Human Ecology*., doi: 10.1007/s10745-022-00370-0
- Ruett, M., Dalhaus, T., **Whitney, C.** & Luedeling, E. (2022). Assessing expected utility and profitability to support decision-making for disease control strategies in ornamental heather production. *Precision Agriculture*., doi: 10.1007/s11119-022-09909-z
- Ruett, M., Junker-Frohn, L. V., Siegmann, B., Ellenberger, J., Jaenicke, H., **Whitney, C.**, Luedeling, E., ... Rascher, U. (2022). Hyperspectral imaging for high-throughput vitality monitoring in ornamental plant production. *Scientia Horticulturae*, 291, 110546., doi: 10.1016/j.scienta.2021.110546
- Tabuti, J. R. S., Adoch, E. P., Mawa, C. & **Whitney, C.** (2022). Priority species and management approaches for woody species: A case study of awach sub-county, gulu district, uganda. *Human Ecology*., doi: 10.1007/s10745-022-00360-2
- Kamau, J. W., Shader, C., Biber-Freudenberger, L., Stellmacher, T., Amudavi, D., Landert, J., Blockeel, J., ... Borge-meister, C. (2021). A holistic sustainability assessment of organic (certified and non-certified) and non-organic smallholder farms in kenya. *Environment, Development and Sustainability*, 38., doi: 10.1007/s10668-021-01736-y
- 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., doi: 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., doi: 10.1016/j.agsy.2020.103031
- Schiffers, K., Urbach, C., Fernandez, E., **Whitney, C.**, Fadón, E. & Luedeling, E. (2021). A new modelling framework for fruit and nut tree phenology. *Acta Horticulturae*, (1327), 405–412., doi: 10.17660/ActaHortic.2021.1327.54
- Sulaiman, N., Pieroni, A., Soukand, R., **Whitney, C.** & Polesny, Z. (2021). Socio-cultural significance of yerba mate among syrian residents and diaspora. *Economic Botany*, 75(2), 97–111., doi: 10.1007/s12231-021-09523-6
- Tamba, Y., Wafula, J., **Whitney, C.**, Luedeling, E., Yigzaw, N., Negussie, A., Muchiri, C., ... Aynekulu, E. (2021). Stochastic simulation of restoration outcomes for a dry afromontane forest landscape in northern ethiopia. *Forest Policy and Economics*, 125, 102403., doi: 10.1016/j.forpol.2021.102403
- Abdusalam, A., Zhang, Y., Abudoushalamu, M., Maitusun, P., **Whitney, C.**, Yang, X. & 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., doi: 10.1016/j.jep.2020.113012

- Bi, Y., **Whitney, C.**, Fan, Z., Yang, J., Wu, Z., Huang, W., Li, J., (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., doi: 10.1007/s00382-020-05303-5
- 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., doi: 10.3390/f11040446
- del Barrio, R., 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., doi: 10.1002/joc.6649
- 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., doi: 10.1007/s13593-020-00624-5
- 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., doi: 10.1007/s10584-019-02608-1
- Liman Harou, I., **Whitney, C.**, Kung'u, J. & Luedeling, E. (2020). Mapping flood-based farming systems with bayesian networks. *Land*, 9(10), 369., doi: 10.3390/land9100369
- McGonigle, D. F., Rota Nodari, G., Phillips, R. L., Aynekulu, E., Estrada-Carmona, N., Jones, S. K., Koziell, I., ... Zhang, W. (2020). A knowledge brokering framework for integrated landscape management. *Frontiers in Sustainable Food Systems*, 4, 13., doi: 10.3389/fsufs.2020.00013
- 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), doi: 10.1186/s13002-020-00406-z
- Ruett, M., **Whitney, C.** & Luedeling, E. (2020). Model-based evaluation of management options in ornamental plant nurseries. *Journal of Cleaner Production*, 271, 122653., doi: 10.1016/j.jclepro.2020.122653
- 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), 39–47., doi: 10.1007/s13593-019-0589-8
- Lanzanova, D., **Whitney, C.**, Shepherd, K. & Luedeling, E. (2019). Improving development efficiency through decision analysis: Reservoir protection in burkina faso. *Environmental Modelling and Software*, 115, 164–175., doi: 10.1016/j.envsoft.2019.01.016
- Yigzaw, N., Mburu, J., Ackello-Ogut, 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., doi: 10.1016/j.scitotenv.2019.06.133
- Whitney, C.**ry, Bahati, J. & Gebauer, J. (2018). Ethnobotany and agrobiodiversity; valuation of plants in the homegardens of southwestern uganda. *Ethnobiology Letters*, 9(2), 90–100., doi: 10.14237/eb1.9.2.2018.503
- Whitney, C.**ry, Lanzanova, D., Muchiri, C., Shepherd, K. D., Rosenstock, T. S., Krawinkel, M., Tabuti, J. R. S., (2018). Probabilistic decision tools for determining impacts of agricultural development policy on household nutrition. *Earth's Future*, 6(3), 359–372., doi: 10.1002/2017EF000765
- Whitney, C.**ry, 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., doi: 10.1007/s10745-018-0008-9
- Whitney, C.**ry, 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., doi: 10.1007/s10460-017-9835-3
- Whitney, C.**, Shepherd, K. & Luedeling, E. (2018). Decision analysis methods guide; agricultural policy for nutrition. *World Agroforestry (ICRAF), Working Paper series*(275), 40., doi: <http://dx.doi.org/10.5716/WP18001.PDF>
- Whitney, C.**ry, Tabuti, J. R. S., Hensel, O., Yeh, C., Gebauer, J. & Luedeling, E. (2017). Homegardens and the future of food and nutrition security in southwest uganda. *Agricultural Systems*, 154, 133–144., doi: 10.1016/j.agsy.2017.03.009
- Gebauer, J., **Whitney, C.** W. & Tabuti, J. R. S. (2016). First record of baobab (adansonia digitata l.) in uganda. *Genetic Resources and Crop Evolution*, 63(5), 755–762., doi: 10.1007/s10722-016-0387-y
- Whitney, C.**ry, Vang, S. M., Le Hong, G., Can, V. V., Barber, K. & Lan, T. T. (2016). Learning with elders; human ecology and ethnobotany explorations in northern and central vietnam. *Human Organization*, 75(1), 71–86., doi: 10.17730/0018-7259-75.1.71
- Whitney, C.**ry, Vang Sin, M. (Meej. V., Le Hong, G., Vu Van, C., Barber, K. & Tran Thi, L. (2014). Conservation and ethnobotanical knowledge of a hmong community in long lan, luang prabang, lao people's democratic republic. *Ethnobotany Research and Applications*, 12, 643–658., doi: 10.17348/era.12.0.643-658
- Whitney, C.**ry, Gebauer, J. & Anderson, M. (2012). A survey of wild collection and cultivation of indigenous species in iceland. *Human Ecology*, 40(5), 781–787., doi: 10.1007/s10745-012-9517-0

Books and chapters

- Kuyah, S., Sileshi, G. W., Luedeling, E., Akinnifesi, F. K., **Whitney, C.**, Bayala, J., Kuntashula, E., ... 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). Singapore: Springer Singapore., doi: 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., doi: 10.1007/978-3-030-12974-3_19
- Sayer, C. A., Carr, J. A. & **Whitney, C.** (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). Cambridge: IUCN UK, IUCN Gland, Switzerland.
- Sayer, C. A., Máiz-Tomé, L., Akwany, L. O., Kishe-Machumu, M. A., Natugonza, V., **Whitney, C.**, Omondi, R., ... 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). Cambridge: IUCN UK, IUCN Gland, Switzerland.
- Whitney, C.**, 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). Cambridge: IUCN UK, IUCN Gland, Switzerland., doi: 10.13140/RG.2.2.18395.31529
- 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*. Minneapolis, MN: The McKnight Foundation.
- Whitney, C.**, Vang Sin, M. M. V., Lê Hoñg, G., Vu Van, C., Barber, K. & Tran Thi, L. (2013). *Ethnobotany research; an approach to biological human ecology theory*. Hanoi, Vietnam: Knowledge Publishing.

Publications intended for professional communities

- Dang, K., Luu, T. T. G., Kriesemer, S. K., Pham-Van, H., Khanh, H. B. T., Pham-Van, D., Luedeling, E., (2023). Preserving food environments and livelihoods: Transitions and challenges for the ca dong people in vietnam. *Competing pathways for equitable food systems transformation: Trade-offs and synergies*, 573. Berlin, Germany: Cuvillier.
- Do, H., **Whitney, C.**, La, N. & Luedeling, E. (2023). Development of agroforestry in upland northern vietnam: A farmers' perspective. *Competing pathways for equitable food systems transformation: Trade-offs and synergies*, 285. Berlin, Germany: Cuvillier.
- Krause, A. P. C., Luedeling, E. & **Whitney, C.** (2023). Empowering rural farm women in agricultural development: A decision analysis approach with a focus on gender. *Competing pathways for equitable food systems transformation: Trade-offs and synergies*, 625. Berlin, Germany: Cuvillier.
- Nguyen, H. L. T., Biber-Freudenberger, L., Kriesemer, S. K., Luedeling, E., Moe, S. Z., Khanh, H. B. T., Nguyen, T. S., ... **Whitney, C.** (2023). Nutrition interventions for enhanced child health outcomes in hanoi, vietnam. *Competing pathways for equitable food systems transformation: Trade-offs and synergies*, 317. Berlin, Germany: Cuvillier.
- Schmitz, C., Zimmermann, L., **Whitney, C.**, Balmer, M. & Luedeling, E. (2023). Decision support for selecting suitable frost protection methods for apricot orchards in germany. *International symposium on models for plant growth, environments, farm management in orchards and protected cultivation - Horchimodel2023*. Almería, Spain: International Society for Horticultural Science.
- Luedeling, E., Schiffrers, K. & **Whitney, C.** (2022). Supporting agroforestry innovations with holistic, decision-focused modeling: Case studies. *Proceedings of the 5th world congress on agroforestry 2022*, 94–95. Quebec, Canada: Université Laval., Retrieved from https://conferium.com/Clients/226_web/index.lasso#
- Schiffrers, K., Heuschkel, Z., Caspersen, L., Lurz, L., **Whitney, C.** & Luedeling, E. (2022). Decision support for farmers a systems approach illustrated by an analysis on the impact of integrating chickens into german apple orchards. *EURAF 2022*, 187. Sardinia: EURAF.
- Tabuti, J. R. S. & **Whitney, C.** (2022). Poverty threatens agroforestry systems in kaliro, uganda. *Proceedings of the 5th world congress on agroforestry 2022*, 81–82. Quebec, Canada: Université Laval., Retrieved from https://conferium.com/Clients/226_web/index.lasso#

- Tabuti, J. R. S., **Whitney, C.**, Mfitumukiza, D., Barahukwa, A., Kisegu, D. & Mutesi, F. (2022). Charcoal and wood extraction are threats to luwero uganda's agroforestry systems. *Proceedings of the 5th world congress on agroforestry 2022*, 92. Quebec, Canada: Université Laval., Retrieved from https://conferium.com/Clients/226_web/index.lasso#
- Whitney, C.**ry, Kuhl, F., Schiffers, K. & Luedeling, E. (2022). Assessing agroforestry options for sustainable land use in germany. *EURAF 2022*, 385. Nuoro, Italy., Retrieved from <https://uninuoro.it/wp-content/uploads/2022/05/EURAF2022-BOOK-OF-ABSTRACTS-Def-def.pdf>
- Zimmermann, L., **Whitney, C.**, Luedeling, E. & Balmer, M. (2022). Can fruit walls raise the prospects of sensing and robotic technology in apple production? *31st international horticultural congress*. Angers, France.
- Fu, Y., Yinxian, X., Mon, A. M., Xuefei, Y. & **Whitney, C.** (2021). How people select wild edible plants case study with tibetan and naxi people in northwest yunnan, china. *SHE XXIV international conference of the society for human ecology*.
- Luedeling, Eike, Schiffers, K. & **Whitney, C.** (2021). Does agroforestry modelling need a paradigm shift? *Agroforestry for the transition towards sustainability and bioeconomy*, 58–59. Nuoro, Italy: EURAF.
- Luu, T. T. G., Luedeling, E., Biber-Freudenberger, L. & **Whitney, C.** (2021). Adoption of agro-climate services. *Tropentag "towards shifting paradigms in agriculture for a healthy and sustainable future"*, 1. Prague, Czech Republic.
- Schiffers, Katja, Urbach, C., Fadon, E., Fernandez, E., **Whitney, C.** & Luedeling, E. (2021). An open-source modelling framework for fruit and nut tree phenology. *Advancing together: Enhancing quality of life through HortScience*. Virtual.
- Schiffers, K., Urbach, C., Fernandez, E., **Whitney, C.**, Fadón, E. & Luedeling, E. (2021). A new modelling framework for fruit and nut tree phenology. *Acta Horticulturae*, (1327), 405–412., doi: 10.17660/ActaHortic.2021.1327.54
- Schiffers, Katja, **Whitney, C.**, Fernandez, E., Cuneo, I. & Luedeling, E. (2021). Forecasting yield in temperate fruit trees from winter chill accumulation. *Advancing together: Enhancing quality of life through HortScience*. Virtual.
- Schiffers, Katja, **Whitney, C.** & Luedeling, E. (2021). Defining research priorities in complex agroforestry systems. *Agroforestry for the transition towards sustainability and bioeconomy*, 162–163. Nuoro, Italy: EURAF.
- Sulaiman, N., Polesny, Z. & **Whitney, C.** (2021). Ethnobotany of wartime: Wild plants for human nutrition during the conflict in syria. *Tropentag "towards shifting paradigms in agriculture for a healthy and sustainable future"*, 1. Prague, Czech Republic.
- Tamba, Y., **Whitney, C.**, Luedeling, E., Shepherd, K., Aynekulu, E., Negussie, A., Yigzaw, N., ... Muchiri, C. (2021). A probabilistic framework for the cost-benefit evaluation of restoration outcomes for a dry afromontane forest in northern ethiopia. *Tropentag "towards shifting paradigms in agriculture for a healthy and sustainable future"*, 1. Prague, Czech Republic.
- Whitney, C.**ry, Fernandez, E., Schiffers, K., Cuneo, I. F. & Luedeling, E. (2021a). Forecasting yield in temperate fruit trees from winter chill accumulation. *Acta horticulturae*, 397–404., doi: 10.17660/ActaHortic.2021.1327.53
- Whitney, C.**ry, Fernandez, E., Schiffers, K., Cuneo, I. F. & Luedeling, E. (2021b). Forecasting yield in temperate fruit trees from winter chill accumulation. *Acta Horticulturae*, (1327), 397–404., doi: 10.17660/ActaHortic.2021.1327.53
- Mutesi, F., Mfitumukiza, D., **Whitney, C.** & Tabuti, J. R. S. (2020). Extent and rate of deforestation in west bugwe central forest reserve, uganda. *Tropentag 2020: Food and nutrition security and its resilience to global crises*. Prague, Czech Republic (online).
- 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. Prague, Czech Republic (online): Cuvillier Verlag.
- Do, H., **Whitney, C.** & Luedeling, E. (2019). Uncertainty analysis in agroforestry planning: A case study in northwest vietnam. *4th world congress on agroforestry*, 833. Montpellier, France: INRA, France.
- 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). Goettingen, Germany: Cuvillier.
- 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. Montpellier, France: INRA, France.
- Luedeling, E., **Whitney, C.** & Fernandes, E. (2019). Dormancy modeling for warming orchards. *Proceedings of the EGU general assembly 2019*, 21. Vienna, Austria: Geophysical Research Abstracts.
- 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. Montpellier, France: INRA, France.
- 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). Goettingen, Germany: 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). Goettingen, Germany: Cuvillier.
- 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). Ghent, Belgium: Margraf Publishers GmbH.
- 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. Japan: Kyoto University.
- 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. Copenhagen: University of Copenhagen.
- Whitney, C.**ry & 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)*. Copenhagen: University of Copenhagen.
- Whitney, C.**ry, Shepherd, K., Krawinkel, M., Lanzanova, D. & Luedeling, E. (2018). Decision analysis tools reveal benefits of fruit trees for enhanced nutrition security in kenya. In, E. Tielkes (Ed.), *Tropentag, ghent: Global food security and food safety: The role of universities*, (p. 364). Ghent, Belgium: Margraf Publishers GmbH.
- 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.
- 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). Bragança, Portugal: Instituto Politécnico de Bragança, Centro de Investigação de Montanha & Society for Economic Botany.
- Liman Harou, I., **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). Bonn, Germany: Cuvillier Verlag.
- Luedeling, Eike, **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). Bonn, Germany: Cuvillier Verlag.
- 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, ... W. H. (Eds.), *5th ISOFAR scientific conference "innovative research for organic 3.0" at the 19th organic world congress*, (pp. 784–786). New Delhi, India: Johann Heinrich von Thuenen-Institute, Braunschweig, Germany.
- Whitney, C.**ry. (2017). Proposing a human ecology model for homegarden research. *Trails, traditions, and new directions society for applied anthropology 77th annual meeting*, 220. Santa Fe, New Mexico: Society for Applied Anthropology.
- Whitney, C.**, Kisege, 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*. Kampala, Uganda: Makerere University.
- Whitney, C.**, Lanzanova, 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). June 2: Instituto Politécnico de Bragança, Centro de Investigação de Montanha & Society for Economic Botany.
- Whitney, C.**, Lanzanova, 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). Bonn, Germany: Cuvillier Verlag.
- Whitney, C.** & Luedeling, E. (2017). Agricultural development interventions on household nutrition in kenya and uganda. *Agriculture, nutrition, health scientific symposium & academy week*, 55. Kathmandu, Nepal: Agriculture, Nutrition, Health Academy (ANH).
- Whitney, C.**ry, Mâis-Tomé, L., Nshutiyayesu, S., Kabuye, C. & Omondi, R. (2017). Conservation planning and livelihoods derived from lake victoria's native floristic diversity. *African great lakes conference 2017*, 1. May, 2-5:

- African Great Lakes International Platform.
- Yigzaw, N., **Whitney, C.**, Ogotu, C.-A., Mburu, J. & Luedeling, E. (2017). Viability of an irrigation development intervention in tigray: An application of stochastic impact evaluation. In, E. Tielkes (Ed.), *Tropentag 2017: Future agriculture: Socio-ecological transitions and bio-cultural shifts*, (p. 288). Bonn, Germany: Cuvillier Verlag.
- Whitney, C.**, Luedeling, E., Gebauer, J., Nyamukuru, A., Tabuti, J. R. S. & Kehlenbeck, K. (2016). Cluster assignment indicates four distinct homegarden types in southwest uganda. *Society for economic botany annual meeting 2016*, 50. Pine Mountain, Kentucky, USA: Society for Economic Botany.
- Whitney, C.**, Mukiibi, E., Nakaketo, C., Gebauer, J., Rietveld, A. M. & Kehlenbeck, K. (2016). Addressing post-harvest losses during traditional banana fermentation for increased food security in southwest uganda. In, E. Tielkes (Ed.), *Tropentag 2016: Solidarity in a competing world - fair use of resources*, (p. 10). Vienna, Austria: Cuvillier Verlag.
- 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). Berlin, Germany: Cuvillier Verlag.
- Luedeling, Eike, de Leeuw, J., 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). Berlin, Germany: Cuvillier Verlag.
- Whitney, C.**ry, 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. July 25-29: Botanical Society of America.
- 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). Berlin, Germany: 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, Tielkes, E (Ed.), *Tropentag 2015: Management of land use systems for enhanced food security: Conflicts, controversies and resolutions*, (pp. 245–246). Berlin, Germany: Cuvillier Verlag.
- Whitney, C.**ry, Nyamukuru, A., Bahati, J. & Gebauer, J. (2015). Local knowledge for food security in uganda; postharvest practices in homegardens of the ugandan southwest. *The first international congress on postharvest loss prevention, rome, october 2015*, 62–63. October 4-7: ADM Institute.
- Whitney, C.**ry, Vang Sin, M. (Meej. V., Le Hong, G., Vu Van, C., Barber, K. & Tran Thi, L. (2015a). Hmong conservation: Lessons in ethnobotany from the elders of long lan, luang prabang, lao people's democratic republic. *38th annual conference of the society of ethnobiology 'the many faces of ethnobiology'*, 70–71. May 6-9: Society of Ethnobiology.
- Whitney, C.**ry, Vang Sin, M. (Meej. V., Le Hong, G., Vu Van, C., Barber, K. & Tran Thi, L. (2015b). Learning with elders of the dao, hmong, lu, ma lieng, sach, tai, tay, and xinh mun ethnic communities of northern vietnam. *38th annual conference of the society of ethnobiology 'the many faces of ethnobiology'*, 70. May 6-9: Society of Ethnobiology.
- Whitney, C.**ry, den Braber, K., Tu Tuyet, N. & Thorndal Jørgensen, S. (2014). Farm management schemes within organic PGS; survey and analysis in soc son, hanoi, vietnam. In, G. Rahmann & U. Aksoy (Eds.), *Building organic bridges. Proceedings of the 4th ISOFAR scientific conference at the organic world congress 2014 in istanbul, turkey: Vol., Thuenen Report 20*, (pp. 1187–1190). Istanbul, Turkey: Johann Heinrich von Thünen-Institut.
- Whitney, C.**ry, den Braber, K., Tu Tuyet, N. & Thorndal Jørgensen, S. (2014). Measurable impacts of the “principles of organic agriculture”; survey of a vietnamese organic PGS. In, G. Rahmann & U. Aksoy (Eds.), *Building organic bridges. Proceedings of the 4th ISOFAR scientific conference at the organic world congress 2014 in istanbul, turkey: Vol., Thuenen Report 20*, (pp. 1191–1194). Istanbul, Turkey: Johann Heinrich von Thünen-Institut.
- Whitney, C.**ry & Gebauer, J. (2014a). Homegardens in uganda: Diversity and potential. In, G. Rahmann & U. Aksoy (Eds.), *Building organic bridges. Proceedings of the 4th ISOFAR scientific conference at the organic world congress 2014 in istanbul, turkey: Vol., Thuenen Report 20*, (pp. 1115–1118). Istanbul, Turkey: Johann Heinrich von Thünen-Institut.
- Whitney, C.**ry & Gebauer, J. (2014b). Species diversity and post-harvest practices on the forest edge homegardens in southwestern uganda. In, Tielkes, E (Ed.), *Tropentag 2014: Czech republic 'bridging the gap between increasing knowledge and decreasing resources'*, (p. 344). Prague, Czech Republic: Czech University of Life Sciences Prague.
- Whitney, C.**ry, Gebauer, J. & Anderson, M. (2014). Wild collection and cultivation of native species in iceland. In,

- G. Rahmann & U. Aksoy (Eds.), *Building organic bridges. Proceedings of the 4th ISOFAR scientific conference at the organic world congress 2014 in Istanbul, Turkey: Vol., Thünen Report 20*, (pp. 607–610). Oct. 13-15: Johann Heinrich von Thünen-Institut.
- Whitney, C.** & Tu Tuyet, N. (2014). Building food communities: Farm management schemes within organic PGS; survey and analysis in Soc Son, Hanoi, Vietnam. *The OWC pre-conference building food communities is bringing together community-supported agriculture (CSA) and participatory guarantee systems (PGS)*, 1–2. Istanbul, Turkey: Johann Heinrich von Thünen-Institut.
- Lee, J. H., Jo, H. S. D., Padel, S., Anderson, R., Schlüter, M., Blake, F., Murayama, K., ... den Braber, K. (2011). Government policies for the promotion of organic agriculture with a focus on the Asian Pacific region. In, Cory Whitney (Ed.), *Special workshop; government policies for the promotion of organic agriculture with a focus on the Asian Pacific region, 17th IFOAM OWC, South Korea*, (p. 97). Seoul, South Korea: Ministry of Food Agriculture, Forestry & Fisheries, Republic of Korea.

Publications intended for the general public

- Nymukuru, A. & **Whitney, C.** (2022). Wildlife conservation in Uganda: A matter for government and private landowners. *IUCN CEESP News*, Retrieved from <https://www.iucn.org/story/202212/wildlife-conservation-uganda-matter-government-and-private-landowners>
- Denich, M. & **Whitney, C.** (2021). Closing the adoption gap. *Rural21*, 1(55), 34–35.
- Pruse, B. & **Whitney, C.** (2021). Citizen science and the co-creation of knowledge in ethnobotany. *Plants and People*, 35(Spring 2021), 8.
- Shepherd, K. D., **Whitney, C.** & Luedeling, E. (2021). A decision analysis framework for development planning and performance measurement. *World Agroforestry (ICRAF), Working Paper series*(324), 40., Retrieved from 10.5716/WP21042.
- Biber-Freudenberger, L., Denich, M., **Whitney, C.**, Beuchelt, T., Jaenicke, H., Kelboro, G., Schmitt, C. B., (2018). More inter- and transdisciplinary research needed in agroecology. *Rural 21*, 52(2), 31–33.
- Marocco, I., Mukibi, E., Nsenga, R., Sardo, P., Wanyu, J. & **Whitney, C.** (2018). Uganda from earth to table; traditional products and dishes (second edition). *Slow Food Foundation for Biodiversity*, 1–60.
- Sayer, C. A. & **Whitney, C.** (2018). New guidance for conservation and sustainable livelihoods for freshwater biodiversity in the Lake Victoria basin. *Commission on Environmental Economic and Social Policy (CEESP) Members Newsletter*, (September 2019).
- Whitney, C.** (2018a). Review: Collecting food, cultivating people: Subsistence and society in central Africa. By Kathryn M. De Luna. 2016. Yale University Press, New Haven. 332 pp. *Ethnobiology Letters*, 9(2), 321–322., doi: 10.14237/ebl.9.2.2018.1384
- Whitney, C.** (2018b). Review: Why the porcupine is not a bird: Explorations in the folk zoology of an eastern Indonesian people. By Gregory Forth. 2016. University of Toronto Press, Toronto. 375 pp.. *Ethnobiology Letters*, 9(2), 103–104., doi: 10.14237/ebl.9.2.2018.1204
- Whitney, C.** & Luedeling, E. (2018). How governments can monitor progress towards better nutrition. *Agroforestry World*, 3.
- Whitney, C.**, Shepherd, K. D., Krawinkel, M. & Luedeling, E. (2018). Integration of fruit trees into agricultural landscapes of Kenya can help to enhance nutrition security. *ICRAF Policy Brief*, 40, 4.
- Whitney, C.**, Shepherd, K. D., Rosenstock, T. S., Krawinkel, M. & Luedeling, E. (2018). Modelling the impacts of Uganda's Vision 2040 policy on household nutrition. *ICRAF Policy Brief*, 39, 4.
- Whitney, C.**, Shepherd, K. D., Rosenstock, T. S. & Luedeling, E. (2018). Decision analysis to support agriculture for nutrition. *ICRAF Policy Brief*, 38, 4.
- Lanzanova, D., **Whitney, C.** & Luedeling, E. (2017). Enabling decision-making for agricultural interventions. *Agroforestry World*.
- Luedeling, E. & **Whitney, C.** (2017). Controlled burns in conifer forests. *R Pubs.*, doi: 10.13140/RG.2.2.34064.30727
- Whitney, C.** (2017). Transformation: A call to action. *The New Farmer's Almanac, Volume III: Commons of Sky, Knowledge, Land, Water*, 134–136.
- Marocco, I., Mukibi, E., Wanyu, J. & **Whitney, C.** (2016). Uganda from earth to table; traditional products and dishes. *Slow Food Foundation for Biodiversity*, 1–48.
- Whitney, C.** (2016a). Adventures in botany. *Plants & People*, 30, 10.
- Whitney, C.** (2016b). Adventures in botany part 2: *Adansonia digitata* absent from the north and west of Uganda. *Plants & People*, 31, 1–3.
- Whitney, C.** (2016c). Decision modeling for trees, nutrition, and livelihoods. *Commission on Environmental Economic and Social Policy (CEESP) Members Newsletter*, 1(August 2016).
- Whitney, C.** (2016d). Review: Trees for gardens, orchards, and permaculture. Crawford, Martin. *Economic Botany*,

- Whitney, C.** (2015). Transdisciplinary research aimed at PHL reduction in east africa. *ADM Institute for the Prevention of Postharvest Loss*.
- Whitney, C.** (2014). Saving biodiversity in greater bushenyi. *Slow Food Foundation for Biodiversity*, (December 2014).
- Whitney, C.** (2012). Nordic ethnobotany and conservation. *NWFP News: Non-Wood Forest Products*.
- Whitney, C.** (2011). Conservation ethnobotany in the north atlantic. *Non-Wood News; NWFP Digest*, 23(No. 7/11), 10.
- Whitney, C.** (2008). Small is beautiful; how local organic can steer us away from catastrophe. *Ecology & Farming*, 43, 28–31.

Data and software

- Luu, T. G. & **Whitney, C.** (2022). *Data and scripts: Decision analysis of agro-climate scaling in dien bien, vietnam*. Zenodo., doi: 10.5281/ZENODO.6426967
- Fernandez, E., Rojas, G., **Whitney, C.**, Cuneo, I. F. & Luedeling, E. (2021). *Data and scripts: Adapting sweet cherry orchards to extreme weather events decision analysis in support of farmers' investments in central chile.*, doi: 10.1016/j.agry.2020.103031
- Fernandez, E., **Whitney, C.** & Luedeling, E. (2021). *Applying the mcSimulation function in decisionSupport*.
- Liman Harou, I. L., **Whitney, C.**, Kung'u, J. & Luedeling, E. (2021). *Data and scripts: Crop modelling in data-poor environments a knowledge-informed probabilistic approach to appreciate risks and uncertainties in flood-based farming systems*.
- Luedeling, Eike, Goehring, L., Schiffers, K., **Whitney, C.** & Fernandez, E. (2021). *decisionSupport quantitative support of decision making under uncertainty. Contributed package to the r programming language. Version 1.106*.
- Ruett, M., **Whitney, C.** & Luedeling, E. (2021). *Data and scripts: Model-based evaluation of management options in ornamental plant nurseries.*, doi: 10.5281/ZENODO.4637259
- Whitney, C.** (2021). *ethnobotanyR: Calculate quantitative ethnobotany indices. Contributed package to the r programming language. Version 0.1.8*.
- del Barrio, R., Fernandes, E., Brendel, A. S., **Whitney, C.**, Campoy, J. A. & Luedeling, E. (2020). *Data and scripts: Climate change impacts on agriculture's southern frontier perspectives for farming in north patagonia*.
- Do, H., Luedeling, E. & **Whitney, C.** (2020). *Decision analysis of agroforestry interventions in northwest vietnam.*, doi: 10.5281/ZENODO.3727576
- Yigzaw, N., Mburu, J., Ogutu, C. A., **Whitney, C.** & Luedeling, E. (2019). *Data for the evaluation of irrigation development interventions in northern ethiopia.*, doi: 10.1016/j.dib.2019.104342
- Luedeling, E. & **Whitney, C.** (2018). *Probabilistic causal models for nutrition outcomes of agricultural actions - kenya model.*, doi: 10.7910/DVN/WDZY2M
- Luedeling, E., **Whitney, C.** & Lanzasova, D. (2018). *Reservoir management in burkina faso - decision analysis repository.*, doi: 10.7910/DVN/4RAKHX
- Whitney, C.**, Lanzasova, D. & Luedeling, E. (2018). *Sediment management in a reservoir in burkina faso - decision model for reservoir sedimentation management.*, doi: 10.34725/DVN/4RAKHX
- Whitney, C.** & Luedeling, E. (2018). *Probabilistic causal models for nutrition outcomes of agricultural actions - uganda model.*, doi: 10.7910/DVN/6AAKJF
- Luedeling, E. & **Whitney, C.** (2017). *Simulating the cost effectiveness of controlled burning with the decisionSupport r package*.

Monographs (theses)

- Whitney, C.** (2018). *Agrobiodiversity and nutrition in traditional cropping systems - homegardens of the indigenous bakiga and banyakole in southwestern uganda*, (Dr). University of Kassel, Witzenhausen, Germany.
- Whitney, C.** (2011). *A survey of wild collection and cultivation of indigenous species in iceland and the faroe islands*, (MSc). University of Kassel, Witzenhausen, Germany.