

DR. MICHAELA GUO YING LO - CV

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EDUCATION

PhD – Biodiversity Management School of Anthropology and Conservation | University of Kent, UK Jan 2020 – July 2024

Thesis: The implications of land use change on forests and local communities in Indonesia

- Visualising the foodscape in mangrove fishing communities in West Kalimantan, Indonesia.
 - Using participatory photography to understand how foodscapes are changing from the perspectives of mangrove fishers.
- The implications of nickel mining on forest cover and local communities in Sulawesi, Indonesia.
 - Addressing and quantifying the environmental and social impacts of nickel mining, and what implications this has on the low carbon agenda.

The Wageningen Institute for Environment and Climate Research (WIMEK), Netherlands Sept-Oct 2021

Transformative research for global social environmental challenges PhD course: Approaches to framing and doing research, and different approaches to generating scientific knowledge that can lead to transformative societal change

University of Bergen June 2021

Global Food Systems PhD Course: Interdisciplinary course on the linkages between food systems, health outcomes, and sustainability.

MSc Double Degree Sustainable Tropical Forestry (SUTROFOR) | Erasmus Mundus Oct 2015 – Dec 2017

MSc Ecosystems and Tropical Forest Environmental Management | AgroParisTech, Montpellier, France

MSc Forests and Sustainable livelihoods | University of Copenhagen, Denmark

BSc (hons) Environmental Geography and International Development | University of East Anglia, UK Oct 2011-June 2014

WORK EXPERIENCE

Research Fellow | DICE, University of Kent, Canterbury, UK Oct 2025 – present

How a foodscapes approach and participatory visual methods can contribute towards more healthy, just, and sustainable food systems.

Postdoctoral Researcher | DICE, University of Kent, Canterbury, UK April 2024 - Present

Evaluating the impacts of Social Forestry in Indonesia – Successes and Challenges

Research Consultant | Center for International Forestry Research (CIFOR), Bogor, Indonesia Nov 2017 – Oct 2021

Quantitative researcher in sustainable livelihoods and food systems

1st and 2nd Annual DICE Twitter Conference | Online (Twitter) July 2021

Co-organisier

Research Intern | Forest and Agriculture Organization, Rome, Italy

Research Intern | Forest, Resources and People, Cameroon

July 2020

Oct 2014 - Jan 2015

Sept- Oct 2013

SELECTED CONFERENCE/PRESENTATIONS

The Royal Geographical Society (with IBG) Annual International Conference | London, UK

Aug 2023

Oral presentation: Visualising the foodscape: social-ecological resilience of food systems in mangrove fisheries, Indonesia

SIWI World Water Week | Online

Aug 2023

Oral presentation: Incorporating inclusive water management and aquatic foods into the agroecological transitions

The Association for Tropical Biology and Conservation (ATBC) | Coimbatore, India

July 2023

Oral presentation: Addressing the impacts of Nickel mining on forest cover and local communities in central Indonesia

The British Ecological Society (BES) | Edinburgh, UK

Dec 2023

Oral presentation: Addressing the impacts of Nickel mining on forest cover and local communities in central Indonesia

DICE Annual Twitter Conference 2022 | Online

July 2022

Twitter presentation: Addressing the impacts of Nickel mining on the well-being of local communities in central Indonesia

Universitas Indonesia (UI) | Depok, Indonesia

April 2022

Oral presentation: Addressing the impacts of Nickel mining on the well-being of local communities in central Indonesia

XXV IUFRO World Congress | Curitiba, Brazil

Sept 2019

Oral presentation: The relationship between forests and freshwater fish consumption in Nigeria (*presented by Terry Sunderland*)

FLARE Annual Meeting | University of Copenhagen, Denmark

Oct 2018

Oral presentation: Linking Forests and Freshwater Fish in the Tropics

AWARDS/ACKNOWLEDGEMENTS

ESRC SEDarc Postdoctoral Fellowship

Oct 2025 – Sept 2026

Visualising the foodscapes: Pathways towards sustainable food systems

Future Earth Communications Pathways Grant

2023-2024

Funding to hold two arts exhibitions based on participatory photography study led by mangrove small-scale fishers in Indonesia

Best student oral presentation (ATBC)

July 2023

Oral presentation on the implications of nickel mining in Indonesia on forests and local well-being in Indonesia

GCDC Doctoral Scholarship (GCRF initiative)

2019 – 2023

Erasmus Mundus Scholarship Double MSc in Sustainable Tropical Forestry (SUTROFOR)

2015 - 2017

DAAD Scholarship

May 2016

LANGUAGE SKILLS

- English (native)
- French (working knowledge)
- Mandarin Chinese (conversational)
- Indonesian (working knowledge)

SELECTED PUBLICATIONS

- Freed, S., **Lo, M.G.Y.**, McCartney, M., Allison, E.H., Smith, D.M., Joffre, O.M. and Sinclair, F., (2025). Water and aquatic foods in revised principles of agroecology can accelerate food systems transformation. *Nature Food*, pp.1-8.
- Sharkey, W., Jeha, L., **Lo, M.G.Y.**, Simkins, A.T., Llopis, J.C., Felipe Cadillo, M.M., Clarke, C., Brown, M.R., Sharma, P., Serem, E.K. and Adekola, O.E., (2025). The value of qualitative approaches to impact evaluation in biodiversity conservation. *Conservation Science and Practice*, p.e70102.
- Spencer, K.L., Ingram, D.J., Anirudh, N.B., Ardiantiono, Cheyne, S.M., Dorward, L.J., Kadir, A., **Lo, M.G.Y.**, Morgans, C.L., Supriatna, J. and Winarni, N.L., (2025). Wild meat consumption in changing rural landscapes of Indonesian Borneo. *People and Nature*.
- Colloff, M. J., Gorddard, R., Munera-Roldán, C., Locatelli, B., Lavorel, S., Allain, S., Bruley, E., Butler, J. R. A., Dubo, T., Enokenwa Baa, O., González-García, A., Lécuyer, L., **Lo, M.G.Y.**, Loos, J., Palomo, I., Topp, E., Vallet, A., & Walters, G. (2025). Changing the decision context to enable social learning for climate adaptation. *People and Nature*, 7, 1425–1442.
- Lo, M.G.Y.**, Morgans, C.L., Santika, T., Mumbunan, S., Winarni, N., Supriatna, J., Voigt, M., Davies, Z.G. and Struebig, M.J., (2024). Nickel mining reduced forest cover in Indonesia but had mixed outcomes for well-being. *One Earth*, 7(11), pp.2019-2033.
- Morgans, C.L., Jago, S., Andayani, N., Linkie, **Lo, M.G.Y.**, M.G., Mumbunan, S., St. John, F.A., Supriatna, J., Voigt, M., Winarni, N.L. and Santika, T., (2024). Improving well-being and reducing deforestation in Indonesia's protected areas. *Conservation Letters*, p.e13010.
- Ickowitz, A., **Lo, M. G. Y.**, Muhamad, A., Nurhasan, M., Brown, B. (2023). Quantifying the contribution of mangroves to local fish consumption in Indonesia: a cross-sectional spatial analysis. *The Lancet Planetary Health*, 7: e819–30.
- Struebig, M. J., Aninta, S. G., Beger, M., Bani, A., Barus, H., Brace, S., ..., Supriatna, J. (2022). Safeguarding imperiled biodiversity and evolutionary processes in the Wallacea center of endemism. *BioScience*, 72(11), 1118-1130.
- Rahman, S. A., Baral, H., Sharma, R., Samsudin, Y. B., Meyer, M., **Lo, M.G.Y.**, ..., Sunderland, T. (2022). Potential benefits of integrated bioenergy and food production systems on degraded land in Wonogiri, Indonesia. *Bioenergy for landscape restoration and livelihoods*, 92.
- Nurhasan, M., Pawera, L., **Lo, M.G.Y.**, Pratama, M.F., Rahmah, M., Utami, M.M.H., Rowland, D. (2020) Commentary: Oil Palm Boom and Farm Household Diets in the Tropics. *Frontiers in Sustainable Food Systems*.
- Bahar, N., **Lo, M.G.Y.**, Sanjaya, M., Van Vianen, J., Alexander, P., Ickowitz, A., Sunderland, T. (2020). Meeting the food security challenge for nine billion people in 2050: What impact on forests? *Global Environmental Change*.

Lo, M.G.Y., Reed, J., Castello, L., Steel, A., Frimpong, E., Ickowitz, A. (2020). The influence of forests on Freshwater Fish in the Tropics: A systematic review. *BioScience*.

Lo, M.G.Y., Narulita, S., Ickowitz, A., 2019. Forests and freshwater fish consumption in Nigeria. PlosONE.

Rahman, S. A., Baral, H., Sharma, R., Samsudin, Y. B., Meyer, M., **Lo, M.G.Y.**, Artati, Y., Simamora, T. I., Andini, S., Leksono B., Roshetko, J. M., Lee, S. M., Sunderland, T. (2019). Integrating bioenergy and food production on degraded landscapes in Indonesia for improved socio-economic and environmental outcomes. *Food and Energy Security* 8:e165. <https://doi.org/10.1002/fes3.165>

AFFILIATIONS/MEMBERSHIPS

Interdisciplinary Conservation Network (ICN) - 2023

Early careers researchers collaboration on Qualitative Impact Evaluation in Conservation

<https://www.iccs.org.uk/content/interdisciplinary-conservation-network>

Transformative Adaptation Research Alliance (TARA) Program on Ecosystem Change and Society (PECS)

Identity processes and institutions to understand pathways to sustainability using place-based case studies.

<https://research.csiro.au/tara/>

<https://pecs-science.org/nature-based-transformations/>

The British Ecological Society (BES)

- Representative for the Equality, Diversity, and Inclusion (EDI) working group.
- Advisor on Safety in the Field Booklet
- Policy representative for the Equity and Diversity for all Genders in Ecology (EDGE) Network

<https://www.britishecologicalsociety.org/>