

Dr Carmenza Robledo, (Dr.rer.nat.)

Associated Senior Researcher, ETH Zürich;

CEO - ECOEXISTENCE

Member of the independent technical advisory panel of the Green Climate Fund (GCF)



Contact

crobledo@gcfund.org

Carmenza.robledo@ecoexistence.ch

Carmenza has been looking at climate change, natural resources management and sustainable development at the interface between science-policy-practice and has experience in over twenty-five countries around the world. She has been involved as lead author in the Fifth Assessment Report of the Intergovernmental Panel on Climate Change (IPCC) and evaluated collaborative research programmes by the CGIAR system and the FAO. In addition, she has acted as an advisor of multiple international organizations including i.a. GCF, FAO, UNDP, UNEP, World Bank, CIFOR, UNFCCC Secretariat as well as governments in Latin America Asia and Africa. Since January 2023 she act as member of the independent Technical Advisory Panel (iTAP) of the Green Climate Fund, the biggest funding mechanism for climate action.

In her research, Carmenza has focused on the contribution of transdisciplinary research to sustainability pathways and transformation with especial attention on enabling and hindering conditions.

Carmenza is Colombian and Swiss citizen. She has a multidisciplinary background. She first studied architecture at the Javeriana University of Bogotá and did an interdisciplinary master degree in regional development. Further she pursued a master in economics in Braunschweig (Germany) and holds a doctoral degree in geography of the University of Stuttgart, Germany. In 2021 she finalized her certificate as a conflict mediator.

Recent scientific publications

Robledo Abad, C., Bieri, S., Eschen, R., Fuerst, S., Jacobi, J., Jiménez, E., Zonta, A. L., Naughton, M., Schaffner, U., Winkler, M. S., & Flury, M. (2023). Promising practices for dealing with complexity in research for development. *GAIA – Ecological Perspectives for Science and Society*, 32(1), 115–124. <https://doi.org/10.14512/gaia.32.1.8>

Llanque Zonta, A. L., Jacobi, J., Mukhovi, S. M., Birachi, E., Groote, P. von, & **Robledo Abad, C** (2023). The role of transdisciplinarity in building a decolonial bridge between science, policy, and practice. *GAIA – Ecological Perspectives for Science and Society*, 32(1), 107–114. <https://doi.org/10.14512/gaia.32.1.7>

Nef, S., Nef, D.P., **Robledo-Abad, C.** (2022). Partizipative Forschung und Prozesse der nachhaltigen Entwicklung: Demokratische Schlüsselqualifikationen von Forschenden. In: Drerup, J., Felder, F., Magyar-Haas, V., Schweiger, G. (eds) *Creating Green Citizens. Kindheit – Bildung – Erziehung. Philosophische Perspektiven*. J.B. Metzler, Berlin, Heidelberg. https://doi.org/10.1007/978-3-662-63376-2_15

Jacobi, J., A. Llanque, S. M. Mukhovi, E. Birachi, P. von Groote, R. Eschen, I. Hilber-Schöb, D. I. Kiba, E. Frossard, and **C. Robledo-Abad**. 2022. 'Transdisciplinary Co-Creation Increases the Utilization of Knowledge from Sustainable Development Research'. *Environmental Science & Policy* 129 (March): 107–15. <https://doi.org/10.1016/j.envsci.2021.12.017>.

- Nef, Danny Philipp, Daniel Neneth, Patteson Dini, **Carmenza Robledo Abad**, and Pius Kruetli. 2021. 'How Local Communities Attribute Livelihood Vulnerabilities to Climate Change and Other Causes: A Case Study in North Vanuatu'. *Climatic Change* 168 (3): 17. <https://doi.org/10.1007/s10584-021-03221-x>.
- Eschen R, Mbaabu PR, Ramamonjisoa BS, **Robledo-Abad C** (2021) Factors enhancing the level of utilisation of research knowledge on ecosystems. *PLoS ONE* 16(7): e0254752. <https://doi.org/10.1371/journal.pone.0254752>
- Beran, D., Pesantes, M. A., Berghusen, M. C., Hennig, B. J., Jacobi, J., Lazo-Porras, M., Llanque, A., Placella, E., **Robledo-Abad, C.**, Bayona, M. T., & Miranda, J. J. (2021). Rethinking research processes to strengthen co-production in low and middle income countries. *BMJ*, 372, m4785. <https://doi.org/10.1136/bmj.m4785>
- Jacobi, J., A. Llanque, S. Bieri, E. Birachi, R. Cochard, N. Depetris Chauvin, C. Diebold, R. Eschen, E. Frossard, T. Guillaume, S. Jaquet, F. Kampfen, M. Kenis, D.I. Kiba, H. Komarudin, J. Madrazo, G. Manoli, S.M. Mukhovi, V.T.H. Nguyen, C. Pomalegni, S. Ruegger, F. Schneider, N. TriDung, P. von Groote, M.S. Winkler, J.G. Zaehring, **C. Robledo-Abad*** „Utilization of Research Knowledge in Sustainable Development Pathways: Insights from a Transdisciplinary Research-for-Development Programme“. *Environmental Science & Policy* 103 (1. Januar 2020): 21–29. (* corresponding author) <https://doi.org/10.1016/j.envsci.2019.10.003>.
- Boris Orlowsky, Pierluigi Calanca, Irshad Ali, Jawad Ali, Agustin Elguera Hilares, Christian Huggel, Inamullah Khan, Raphael Neukom, Arjumand Nizami, Muhammad Abbas Qazi, **Carmenza Robledo**, Mario Rohrer, Nadine Salzmänn, Kaspar Schmidt, (2017) "Climate corridors for strategic adaptation planning", *International Journal of Climate Change Strategies and Management*, <https://doi.org/10.1108/IJCCSM-12-2016-0183>
- Robledo Abad, C.**, Althaus, H.-J., Berndes, G., Bolwig, S., Corbera, E., Creutzig, F., Garcia-Ulloa, J., Geddes, A., Gregg, J.S., Haberl, H., Hanger, S., Harper, R.J., Hunsberger, C., Larsen, R.K., Lauk, C., Leitner, S., Lilliestam, J., Lotze-Campen, H., Muys, B., Nordborg, M., Ölund, M., Orlowsky, B., Popp, A., Portugal-Pereira, J., Reinhard, J., Scheffle, L., Smith, P (2017). Bioenergy production and sustainable development: science base for policy making remains limited. *GCB Bioenergy* 9, 541–556. (DOI: 10.1111/gcbb.12338). Available at: <http://onlinelibrary.wiley.com/doi/10.1111/gcbb.12338/full>
- Robledo Abad, C.**, D. Bretscher, J. Leifeld (2016). Land- und Forstwirtschaft und andere Landnutzung. Ch. 3.7 in Akademien der Wissenschaften Schweiz (2016) Brennpunkt Klima Schweiz. Grundlagen, Folgen und Perspektiven. *Swiss Academies Reports* 11 (5).
- von Stechow, C., McCollum, D., Riahi, K., Minx, J.C., Kriegler, E., van Vuuren, D.P., Jewell, J., **Robledo-Abad, C.**, Hertwich, E., Tavoni, M., Mirasgedis, S., Lah, O., Roy, J., Mulugetta, Y., Dubash, N.K., Bollen, J., Ürge-Vorsatz, D., Edenhofer, O., 2015. Integrating Global Climate Change Mitigation Goals with Other Sustainability Objectives: A Synthesis. *Annual Review of Environment and Resources* 40. doi:10.1146/annurev-environ-021113-095626. Available at <http://www.annualreviews.org/doi/abs/10.1146/annurev-environ-021113-095626>
- Bustamante M., **C. Robledo-Abad**, R. Harper, C. Mbow, N.H. Ravindranath, F. Sperling, H. Haberl, A. de Siqueira Pinto, and P. Smith (2014). Co-benefits, trade-offs, barriers and policies for greenhouse gas mitigation in the Agriculture, Forestry and Other Land Use (AFOLU) sector. *Global Change Biology* 20, 3270 – 3290. (DOI: 10.1111/gcb.12591). Available at: <http://onlinelibrary.wiley.com/doi/10.1111/gcb.12591/abstract>

- Creutzig F., N.H. Ravindranath, G. Berndes, S. Bolwig, R. Bright, F. Cherubini, H. Chum, E. Corbera, M. Delucchi, A. Faaij, J. Fargione, H. Haberl, G. Heath, O. Lucon, R. Plevin, A. Popp, **C. Robledo-Abad**, S. Rose, P. Smith, A. Stromman, S. Suh, and O. Masera (2014). Bioenergy and climate change mitigation: an assessment. *GCB Bioenergy*, n/a–n/a. (DOI: 10.1111/gcbb.12205).
- Smith, P., Bustamante, M., Ahammad, H., Clark, H., Dong, H.M., Elsiddig, E.A., Haberl, H., House, J., Jafari, M., Masera, O., Mbow, C., Ravindranath, N.H., Rice, C.W., **Robledo Abad, C.**, Romanovskaya, A., Sperling, F., Tubiello, F.N., 2014. Agriculture, Forestry and Other Land Use (AFOLU), in: *In: Climate Change 2014: Mitigation of Climate Change. Contribution of Working Group III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change* [Edenhofer, O., R. Pichs-Madruga, Y. Sokona, E. Farahani, S. Kadner, K. Seyboth, A. Adler, I. Baum, S. Brunner, P. Eickemeier, B. Kriemann, J. Savolainen, S. Schlömer, C. von Stechow, T. Zwickel and J.C. Minx (eds)]. Chapter 11. Cambridge University Press, Cambridge, UK and New York, NY, USA.
- Smith, P. Haberl, H. Popp, A., Erb, K., Lauk, C., Harper, R., Tubiello, F., de Siqueira Pinto, A., Jafari, M., Sohi, S., Masera, O., Böttcher, H., Berndes, G., Bustamante, M., Ahammad, H., Clark, H., Dong, Ho., Abdalla Elsiddig, E., Mbow, C., Ravindranath, N. H., Rice, Charles W, **Robledo Abad, C.**, Romanovskaya, A., Sperling, Fr., Herrero, M., House, J., Rose, S. (2013). How much land based greenhouse gas mitigation can be achieved without compromising food security and environmental goals? *Global Change Biology*.

Recent peer reviewed Books

- Durbin, Joanna, S. Vincent, A. Awono, **C. Robledo Abad**, C. Makino, D. R. Khanal, E. Halverson, E. Fach, G. A. Neba, J. Worker, J. Akinnuba, J. van Mossel, J. Vandenberg, J. Goodwin, L. deSilva, L. Good, L.R. Chacón Fernández, M. Nadkarni, M. Mohamud Hassan Ali, S. Duyck, S. Padmanabha, T. Ngozi Akosa (2018). *ICAT Stakeholder Participation Guidance*. ICAT Series of Guidance. Initiative for Climate Action Transparency. (<https://climate-actiontransparency.org/guidance-development-spotlight-stakeholder-participation/>)
- Robledo, C;** S. Görlinger, C. Knoerli, G. Meylan, R. Seidl, and M. Stauffacher (2016): *Guideline for assessing barriers to Low Carbon Technologies*. Climate-KIC and ETH Zurich, Zürich, Switzerland.
- Robledo Abad C.** (2014). *Technical guide on the quantification of carbon benefits in ITTO projects*. International Tropical Timber Organization, Yokohama, Japan.

Recent Peer Reviewed Reports and Articles

- Robledo Abad, C.** 2020: *Roadmap for implementing Principles 3 and 4 as well as interactions with Principle 5 of the SWISSCO Platform*. EcoExistence, Switzerland.
- Anderson, S., F. Khan, **C. Robledo**, C. Roth – CGIAR-IEA (2016). *Evaluation of the CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS)*. Rome, Italy: Independent Evaluation Arrangement (IEA) of the CGIAR.
- Coccia F., A. Deisenrieder, M. Katila, M. Palenberg, and **C. Robledo** (2014). *Evaluation of the CGIAR Program “Forest, Trees and Agroforestry” (FTA)*. CGIAR Independent Evaluation Arrangement.