

Tatiana Gumucio, Ph.D.

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Higher Education

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| 2013 | Ph.D., Anthropology, University of Florida |
| 2009 | M.A., Anthropology, Certificate in Latin American Studies, University of Florida |
| 2004 | B.S. in Economics cum laude, Wharton School, University of Pennsylvania |
| 2004 | B.A. in International Relations cum laude, College of Arts and Sciences, University of Pennsylvania |

Professional Appointments

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| 2020-Present | Weather and Vulnerability Postdoctoral Scholar, Pennsylvania State University |
| 2017-2020 | Postdoctoral Research Scientist, International Research Institute for Climate and Society (IRI) |
| 2015-2017 | Postdoctoral Fellow, CGIAR Research Program in Forests, Trees and Agroforestry (FTA), International Center for Tropical Agriculture (CIAT) |
| 2014-2015 | Courtesy Faculty, Gender and Climate Change Working Group, Center for Latin American Studies, University of Florida |
| 2014-2015 | Visiting Researcher, Gender and Climate Change, International Center for Tropical Agriculture (CIAT) |

Skills

Monitoring and evaluation (M&E) of equality outcomes

- Developed guidance for climate services researchers and practitioners on M&E that targets progress towards equality outcomes, published in Working Paper.
- Led qualitative evaluation of Rwanda Climate Services for Agriculture project to assess gender-differentiated access and use of climate information for improved farm management and resilience.

Gender-sensitive policy and institutional analysis

- Developed stakeholder engagement strategy to support policymakers to integrate gender in climate change adaptation and mitigation policies in Latin America.

- Led analysis of gender integration in policies related to climate change and agriculture in seven Latin American countries.

Participatory action research

- Collaborated with international partners to design a diagnostic study based on action research tools for assessing women and men smallholders' livelihood risks in Uganda.
- Conducted series of workshops with indigenous communities in lowland Bolivia over a period of 8 months to elaborate local history and discussions of community values.

Languages

- Spanish (fluent spoken & written)
- French (intermediate spoken & written)

Peer-reviewed Publications

Gumucio T, Hansen J, Huyer S, van Huysen T. 2019. "Gender-responsive rural climate services: a review of the literature." *Climate and Development*, 1-14.
DOI:10.1080/17565529.2019.1613216

Diouf NS, Ouedraogo I, Zougmore RB, Ouedraogo M, Partey S, **Gumucio T**. 2019. "Factors influencing gendered access to climate information services for farming in Senegal." *Journal of Gender, Technology and Development*. DOI:10.1080/09718524.2019.1649790

Gumucio T, Arora D, Twyman J, Tickamyer A, Clavijo M. 2019. "Gender equality and trees on farms: Considerations for implementation of climate-smart agriculture." In C.E. Sachs (Ed.), *Gender, Agriculture and Agrarian Transformations: Changing Relations in Africa, Latin America and Asia*, (pp. 203-220). New York: Routledge.

Gumucio T, Alves M, Orentlicher N, Hernández Ceballos MC. 2018. "Analysis of gender research on forest, tree and agroforestry value chains in Latin America." *Forests, Trees and Livelihoods*. 27(2): 69-85. DOI:10.1080/14728028.2017.1417921

Gumucio T, Tafur M. 2015. "Influencing Gender-Inclusive Climate Change Policies in Latin America." *Journal of Gender, Agriculture and Food Security* 1(2):41-60.
DOI:10.19268/JGAFS.122015.3

Forthcoming

Huyer S, **Gumucio T**, Tavenner K, Acosta M, Chanana N, Khatri-Chhetri A, Mungai C, Ouedraogo M, Otieno G, Radeny M, Recha J, Simelton E. "From vulnerability to agency in climate adaptation and mitigation." In R. Pyburn and A. van Eerdewijk (Eds.), *Advancing gender equality through agricultural and environmental research: past, present and future*, (pp. 79-111). Washington, DC: IFPRI.

Submitted, under review

Gumucio T, Huyer S, Hansen J, Simelton E, Partey S, Chiputwa B, Schwager S. "Towards gender-responsive monitoring and evaluation of rural climate services." *Climate Services*.

Huyer S, Acosta M, **Gumucio T**, Ilham JIJ. "Can We Change the Tide? Confronting Gender Inequality in Climate Policy." *Gender and Development*.

In preparation - due for submission by October 2020

Gumucio T, Nsengiyumva G, Hansen J, Kagabo D. "Towards gender equality outcomes from rural climate services in Rwanda," planned for *Journal of Climatic Change*.

Mastenbroek A, **Gumucio T**, Nakanwagi J, Kawuma C. "Community based risk spectrum analysis in Uganda - male and female livelihood risks and barriers to uptake of hybrid maize seed," planned for *Journal of Agricultural Systems*.

Nsengiyumva G, **Gumucio T**, Kagabo D, Clarkson G, Dorward P. "Effects of participatory climate services on smallholder decision-making and livelihoods in Rwanda through a gender lens," planned for *Journal of Gender, Technology and Development*.

Technical Reports

Gumucio T, Hansen J, Nsengiyumva G, Birachi E, Kagabo D, Rose A, Munyangeri Y. 2020. Rwanda Climate Services for Agriculture: Qualitative Evaluation through a Gender Lens. *CCAFS Working Paper no. 315*. Wageningen, the Netherlands: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS).

Mastenbroek A, **Gumucio T**, Nakanwagi J, Kawuma C. 2020. Community based risk spectrum analysis in Uganda: Male and female livelihood risks and barriers to uptake of drought tolerant maize varieties. *CCAFS Working Paper no. 318*. Wageningen, the Netherlands: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS).

Huyer S, **Gumucio T**, Chanana N, Cramer L, Mungai C, Ouedraogo M, Simelton E, Tavenner K, Twyman J. 2019. "Learning and action for gender-transformative climate-smart agriculture." *CCAFS Working Paper No. 279*. Wageningen, the Netherlands: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS).

Gumucio T, Hansen J, Huyer S, van Huysen T. 2018. "Gender Responsive Rural Climate Services: A Review of the Literature. A Learning Agenda for Climate Information Services in sub-Saharan Africa." Washington D.C.: United States Agency for International Development (USAID).

Gumucio T, Huyer S, Hansen J, Simelton E, Partey S, Schwager S. 2018. "Inclusion of gender equality in monitoring and evaluation of climate services." *CCAFS Working Paper no. 249*. Wageningen, Netherlands: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS).

Gumucio T, Twyman J, Clavijo M. 2017. "Gendered perspectives of trees on farms in Nicaragua: Considerations for agroforestry, coffee cultivation, and climate change." *Working Paper*. International Center for Tropical Agriculture (CIAT); CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS); CGIAR Research Program on Forests, Trees and Agroforestry (FTA). Cali, Colombia. (CIAT Publication No.432).

Gumucio T, Twyman J. 2017. “Formulación de políticas públicas con enfoque de género en el sector agropecuario: construyendo una iniciativa regional para afrontar el cambio climático en América Latina” [Gender-sensitive policymaking in the agricultural and livestock sector: building a regional initiative to face climate change in Latin America]. En Kelly Witkowski and Montserrat Blanco Lobo, (Eds.), *De la práctica a las políticas: experiencias latinoamericanas en género, cambio climático y agricultura [From practice to policy: Latin American experiences in gender, climate change, and agriculture]*, (pp. 79-87). San José, CR: IICA.

Gumucio T, Yore H, Mello D, Loucel C. 2016. “Coffee and cocoa value chains: Gender dynamics in Peru and Nicaragua.” *Working Paper*. International Center for Tropical Agriculture (CIAT).

Gumucio T, Mora Benard M. A., Twyman J, Hernández Ceballos M. C. 2016. “Género en la ganadería. Consideraciones iniciales para la incorporación de una perspectiva de género en la investigación de la ganadería en Colombia y Costa Rica” [Gender in the livestock sector. Initial considerations for gender integration in livestock research in Colombia and Costa Rica]. *Documento de trabajo CCAFS no. 159*. Programa de investigación de CGIAR en Cambio Climático, Agricultura y Seguridad Alimentaria (CCAFS).

Gumucio T. 2015. Gendered coca cultivation in the Bolivian tropics: Implications for sustainable development. XIV World Forestry Congress, Durban, South Africa.
<<http://foris.fao.org/wfc2015/api/file/55464569e52d79267e89a42d/contents/f1a06610-5e98-416a-a3b1-b54c19a5d26e.pdf>>

Gumucio T. 2011. “Did You Find Culture There?": Yuquí Artisanry of Bolivia and the Uncertain Control of Self-Representation through Cultural Commodification. *The Journal of Contemporary Anthropology* 2(1): Article 6.

Policy briefs and Info notes

Gumucio T, Hansen J, Rose A. 2019. “Access and use of weather and climate information by women and men farmers: Rwanda Climate Services for Agriculture qualitative evaluation preliminary findings.” *CCAFS Info Note*. Wageningen, Netherlands: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS).

Gumucio T, Hansen J, Huyer S, van Huysen T, Schwager S. 2018. “Strategies for achieving gender-responsive climate services.” *CCAFS Info Note*. Wageningen, Netherlands: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS).

Gumucio T, Hansen J, Huyer S, van Huysen T, Schwager S. 2018. “Identifying Pathways for More Gender-Sensitive Communication Channels in Climate Services.” *CCAFS Info Note*. Wageningen, Netherlands: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS).

Gumucio T, Tafur M, Loucel C, Twyman J. 2016. “Inclusión del enfoque de género en políticas de cambio climático: Un análisis de siete países latinoamericanos.” [Gender inclusion in climate change policies: an analysis of seven Latin American countries.] Copenhagen,

Dinamarca: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS).

Gumucio T, Mora Benard MA, Clavijo M, Hernández MC, Tafur M, Twyman J. 2015. “Silvopastoral Systems in Latin America: Mitigation Opportunities for Men and Women Livestock Producers.” *CCAFS Policy Brief*. CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS), Copenhagen.

Tafur M, **Gumucio T**, Twyman J, Martinez D, Muriel J. 2015. “Avances en la inclusión de intereses y necesidades de mujeres rurales en políticas públicas agropecuarias y de cambio climático: el caso de Colombia.” [Progress in the inclusion of rural women’s interests and needs in policies on agriculture, livestock and climate change: the case of Colombia.] Copenhagen, Denmark: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS).

Tafur M, **Gumucio T**, Turin C, Twyman J, Martinez D. 2015. “Género y Agricultura en el Perú: Inclusión de intereses y necesidades de hombres y mujeres en la formulación de políticas públicas.” [Gender and agriculture in Peru: the inclusion of men’s and women’s interests and needs in policymaking.] Copenhagen, Denmark: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS).

Tafur M, **Gumucio T**, Twyman J, Martinez D. 2015. “Guía para la integración del enfoque de género en políticas agropecuarias y de cambio climático en América Latina.” [Guidelines for gender-sensitive policymaking on agriculture, livestock production and climate change in Latin America.] Copenhagen, Denmark: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS).

Manuals

Gumucio T, Schwager S. 2019. Checklist: Gender Considerations for Climate Services and Safety Nets. Wageningen, Netherlands: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS).

Acosta M, Bonilla-Findji O, Howland F, Twyman J, **Gumucio T**, Martínez Baron D, Le Coq JF. 2019. Paso a paso para la inclusión de género en iniciativas de agricultura sostenible adaptada al clima para Guatemala [Steps for gender inclusion in climate-smart agricultural initiatives in Guatemala]. CGIAR Programa de Investigación de Cambio Climático, Agricultura y Seguridad Alimentaria (CCAFS). Wageningen, Países Bajos: CGIAR Programa de Investigación de Cambio Climático, Agricultura y Seguridad Alimentaria (CCAFS). Disponible online en: www.ccafs.cgiar.org

Giraldo-Mendez D, Martínez-Barón D, Loboguerrero AM, **Gumucio T**, Martínez JD, Ramírez-Villegas J. 2018. Mesas Técnicas Agroclimáticas (MTA): Manual de Implementación [Local Technical Agroclimatic Committees (LTAC): Implementation Manual]. Cali, Colombia: Programa de Investigación de CGIAR en Cambio Climático, Agricultura y Seguridad Alimentaria (CCAFS).

Lundy M, Amrein A, Hurtado JJ, Becx G, Zamierowski N, Rodriguez F, Mosquera EE, **Gumucio T.** 2016. LINK methodology: Gender Responsive Manual. Version 2.0. Cali, Colombia: International Center for Tropical Agriculture (CIAT).

Presentations

2020

Gumucio T. "Servicios climáticos, equidad de género e inclusión social [Climate services, gender equality, and social inclusion]." Presented at the CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS) webinar for the Central American Council on Agriculture and Livestock Production on "Desafíos y oportunidades para alcanzar equidad de género en los servicios climáticos [Challenges and opportunities for achieving gender equality in climate services]." 30 June 2020.
<https://www.slideshare.net/cgiarclimate/los-servicios-climticos-equidad-de-gnero-e-inclusin-social>

2019

Nissan H, Downs S, Simmons W, Gumucio T. "Climate services for improved nutrition." Presented at 5th *Global Science Conference on Climate-Smart Agriculture*, Bali, Indonesia. 9 October 2019.

Gumucio, T. "Promoting gender equality in rural climate services." Presented in CGIAR Collaborative Platform for Gender Research Webinar "Guidelines and good practices for achieving gender equality outcomes through climate services." 23 January 2019.
<https://www.slideshare.net/CGIAR/promoting-gender-equality-in-rural-climate-services>

2018

Gumucio T, Schwager, S. "Best practices for inclusion of gender equality in monitoring and evaluation of rural climate services." Presented in Panel "Mainstreaming gender in agenda 2030: Interlinkages between Sustainable Development Goals" at 2018 *International Conference on Sustainable Development*, Columbia University, New York.

Gumucio, T. "Gender and trees on farms: considerations for climate-smart agriculture." Presented in Panel "Decision support tools for assessment of interventions for climate change adaptation, mitigation and food security" at 2018 *Adaptation Futures Conference*, Cape Town, South Africa.

Gumucio, T. Phiri, C. "Diversity in climate information services in Sub-Saharan Africa: End user and sector inclusion." Presented at *USAID Learning Agenda on Climate Information Services Learning Event* "What are we learning about climate information services delivery? Examining climate services from production to uptake," at University of Cape Town, South Africa. 18 June 2018.

Gumucio, T. "Gender-responsive rural climate services: a review of the literature." Presented in Agrilinks Webinar "Overcoming gender barriers to accessing and using climate information

services.” 25 April 2018. https://www.agrilinks.org/sites/default/files/2018-04-25_al_gender_presentation.pdf

2017

Gumucio T, Twyman J, Carreno G, Clavijo M. “Gender and trees on farms: considerations for climate-smart agriculture.” Presented in Panel “Trees outside forests for biodiversity conservation, ecosystem services and livelihoods” at 2017 *Annual Meeting of the Association for Tropical Biology and Conservation (ATBC)*, Merida, Mexico.

2016

Gumucio T, Twyman J, Clavijo M. “Tree uses and decision-making patterns among women and men coffee producers in Nicaragua.” Presented in Panel “Unpacking gender dimensions in forestry” at 2016 *Annual Meeting of Forest and Livelihoods: Assessment, Research and Engagement (FLARE)*, Edinburgh, United Kingdom.

Gumucio T, Mathez S. CGIAR Research Program in Forests, Trees and Agroforestry (FTA) Webinar “Género, agroforestería y cambio climático en América Latina.” [Gender, agroforestry and climate change in Latin America.] 23 November 2016. CIAT-ICRAF. <http://foreststreesagroforestry.org/webinar-genero-agroforesteria-y-cambio-climatico-en-america-latina/>.

Gumucio T. “Usos de árboles, patrones de toma de decisión y género: Tuma la Dalia, Nicaragua.” [Tree uses, decision-making trends and gender: Tuma la Dalia, Nicaragua] Presented at 2016 Symposium “Los árboles en fincas, su presencia y contribución a las familias rurales.” [Trees on farms, their presence and contribution to rural families.] CATIE, Turrialba, Costa Rica. <http://www.paisajecentinel.org/NicaraguaHonduras/wp-content/uploads/2016/10/Presentaci%C3%B3n-Tatiana.pdf>

Gumucio T, Twyman J. “Gender Sensitive CSA Practices for Coffee Agroforestry in Nicaragua.” Poster presented at the 2016 *Independent Science and Partnership Council (ISPC) Science Forum*, Addis Ababa, Ethiopia.

Gumucio T. “The Father of My Son: Sex, Movement, and Indigeneity in the Colonization Zone.” Presented at the 2016 *Southeastern Council of Latin American Studies (SECOLAS)*, Cartagena, Colombia.

Gumucio T. “Gender-Inclusive Climate Change Policies in Latin America.” Presented at the 2016 *Global Gender Climate Alliance (GGCA) Webinar: Implementing the Paris COP21 Agreement: Gender-Responsive Solutions and Changing Behaviors*.

Gumucio T. “Gender-Inclusive Climate Change Policies in Latin America.” Presented at the January 2016 *CGIAR Gender Network Webinar: Gender Considerations in Today’s Post COP 21 Environment: What’s Missing?*

Twyman J, Gumucio T. “Género y cambio climático en el sector agropecuario.” [Gender and climate change in the agricultural and livestock sector.] Presented at the *USAID Proyecto para la Adaptación y Resiliencia-Agua* Webinar: “Género y cambio climático desde la

perspectiva investigativa.” [Gender and climate change from a research perspective.] 29
November 2016.

2015

Gumucio T, Tafur M. “Guía para la integración del enfoque de género en políticas agropecuarias y de cambio climático para América Latina.” [Guidelines for gender integration in agricultural, livestock and climate change policies in Latin America.] Presented at the 2015 *Seminario Internacional de Desarrollo Rural y Territorio: Dinámicas de Cambio y Políticas Públicas*, Bogotá, Colombia.