

CAROLINE MIEHE

caroline.miehe@novasbe.pt • +32 487805586 • [personal website](#)

NOVAFRICA, Rua da Holanda 1, 2775 – 405 Carcavelos, Portugal • born on Sep 29, 1993, in Berlin, Germany

Mission statement

I conduct randomized experiments in sub-Saharan Africa to explore how economic principles – such as decision-making under risk and asymmetric information – can inform strategies that enhance agricultural technology adoption and climate disaster management, to strengthen the resilience of farmers and communities facing poverty and climate change.



Education

KU Leuven, Belgium

Doctor of Economics, 2019 – 2023

Ph.D. supervisor: Jo Swinnen

Master of Business Administration, 2017 – 2018

graduated with 87,75% (greatest distinction)

University of Potsdam, Germany

Bachelor of Business Administration, 2012 – 2016

graduated with 82% (great distinction)

Relevant working experience

2024 – now Postdoctoral researcher

NOVAFRICA, Nova University Lisbon, Portugal
LICOS, KU Leuven,
Belgium
DEC, Wageningen
University, Netherlands
University of Potsdam,
Germany

2019 – 2023 Ph.D. candidate & teaching assistant

2022 – 2022 Research employee

2013 – 2015 Teaching assistant

Publications

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| Journal articles | Miehe, C., Nabwire, L., Sparrow, R., Spielman, D. J., & Van Campenhout, B. (in press). Miracle seeds: Biased expectations, complementary input use, and the dynamics of smallholder technology adoption. <i>Economic Development and Cultural Change</i> . |
| | De, A., Miehe, C., & Van Campenhout, B. (2024). Gender bias in customer perceptions: The case of agro-input dealers in Uganda. <i>Agricultural Systems</i> , 217, 103954. |
| | Mogues, T., Van Campenhout, B., Miehe, C., & Kabunga, N. (2023). The impact of community-based monitoring on public service delivery: A randomized control trial in Uganda. <i>World Development</i> , 172, 106374. |
| Peer-reviewed report | Van Campenhout, B., Kabunga, N., Mogues, T., & Miehe, C. (2021). Community advocacy forums and public service delivery in Uganda. <i>3ie Impact Evaluation Report 136</i> . |
| Book chapter | Swinnen, J., Miehe, C., & Emmers, D. (2021). COVID-19 en voedselzekerheid. In B. Pattyn, & P. d'Hoine (Eds.), <i>Lessen voor de 21ste eeuw: Weten wat telt in tijden van crisis</i> (pp. 69–84). Leuven Univ. Press. |

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Discussion papers (unpublished)

Miehe, C., Sparrow, R., Spielman, D. J., & Van Campenhout, B. (2023). The (perceived) quality of agricultural technology and its adoption: Experimental evidence from Uganda. *IFPRI Discussion Paper 2198*, under review at the *Journal of the European Economic Association*. (**Job market paper**)

Miehe, C., Van Campenhout, B., Nabwire, L., Sparrow, R., & Spielman, D. J. (2023). Miracle seeds: Biased expectations, complementary input use, and the dynamics of smallholder technology adoption. *IFPRI Discussion Paper 2183*, in press at *Economic Development and Cultural Change*.

Media

Miehe, C., Nabwire, L., Sparrow, R., Spielman, D. J., & Van Campenhout, B. (2025, May 21). How misinformation and mismatched expectations reduce adoption of improved seeds. *VoxDev Article*.

Miehe, C., Nabwire, L., Sparrow, R., Spielman, D. J., & Van Campenhout, B. (2023, June 22). “Miracle seeds,” informational curses? The risk of high expectations for new agricultural technologies. *IFPRI Blog: Research Post*.

De, A., Miehe, C., & Van Campenhout, B. (2023, March 17). This is a man’s world: Gendered perceptions of Ugandan agro-input dealers. *IFPRI Blog: Research Post*.

Van Campenhout, B., Miehe, C., Spielman, D. J., & Sparrow, R. (2022, April 4). What changed when Ugandan farmers rated input quality and local vendor services. *The Conversation*.

Van Campenhout, B., & Miehe, C. (2021, February 4). Does bottom-up monitoring improve public services? What we found in Uganda. *The Conversation*.

Conferences & seminars

European Association of Agricultural Economists Congress (2025 in Bonn, Germany) • Earth and Life Institute Seminar at UCLouvain (2025 in Louvain-la-Neuve, Belgium) • Development Economics Seminar at KU Leuven (2025 in Leuven, Belgium) • Lisbon Micro Group (2025 in Lisbon, Portugal) • Economics Seminar at Wageningen University (2025 in Wageningen, Netherlands) • Nova Economics Club (2024 in Lisbon, Portugal) • NOVAFRICA Conference (2024 in Lisbon, Portugal) • CSAE Conference (2023 in Oxford, UK) • NL-CGIAR Conference (2022, online) • ISSD Africa Synthesis Conference (2022 in Kigali, Rwanda) • AgEconMeeting (2022 in Göttingen, Germany) • Wageningen University EconMonday Seminar (2022 in Wageningen, Netherlands) • LICOS Seminar (2022 in Leuven, Belgium) • LICOS Ideas Exchange (2021 in Leuven, Belgium) • ASSA Annual Meeting (2021, online) • AAEA Annual Meeting (2020, online)

Teaching experience

2025 – 2025	Development economics	Nova Univ. Lisbon, Portugal
2021 – 2023	Introduction to the economics of development	KU Leuven, Belgium
2021 – 2023	Development economics	KU Leuven, Belgium
2020 – 2021	Lessons for the 21st century	KU Leuven, Belgium
2015 – 2015	Introduction to controlling & cost accounting	Univ. of Potsdam, Germany
2013 – 2014	Mathematics for economists I	Univ. of Potsdam, Germany

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Projects & research grants	2025 – 2026	NL-CGIAR: “Optimizing performance of improved seed varieties for smallholder farmers in Uganda” with R. Sparrow	161,537 €
	2024 – 2026	International Growth Centre: “Urbanization meets the environment” with P. C. Vicente, S. Leeffers, & J. Macdonald	87,878 £
	2023 – 2025	International Growth Centre: “Urbanization meets the environment” with P. C. Vicente, S. Leeffers, & J. Macdonald	85,049 £
	2019 – 2021	NL-CGIAR: “Policy and regulatory reform options for seed market development” with R. Sparrow, D. J. Spielman, B. Van Campenhout, & others	992,792 €
Memberships	Since 2024	Lisbon Micro Group (LMG)	
	Since 2023	American Economic Association (AEA)	
	Since 2023	European Economic Association (EEA)	
	Since 2022	European Association of Agricultural Economists (AAAE)	
	Since 2022	Agricultural Economics Society (AES)	
	Since 2020	Agricultural & Applied Economics Association (AAEA)	
Pre-analysis plans in AEA RCT Registry	2024	<u>Urbanization meets the environment</u>	
	2020	<u>Demand and supply factors constraining the sustainability of an efficient seed system</u>	
	2020	<u>Community advocacy forums and public service delivery</u>	
Field experience	Jul–Aug ‘24 Mozambique	Design and implementation of intervention for <u>Urbanization meets the environment</u>	
	Jan–Feb ‘22 Uganda	Midline data collection, intervention implementation for <u>Demand and supply factors constraining the sustainability of an efficient seed system</u>	
	Apr–Jun ‘21 Uganda	Baseline data collection, intervention implementation for <u>Demand and supply factors constraining the sustainability of an efficient seed system</u>	
	Aug ‘19 Uganda	Preparation of endline data collection for <u>Community advocacy forums and public service delivery</u>	
Peer reviews	American Journal of Agricultural Economics • Journal of the AAAE • XVIII Congress of the EAAE • PLOS ONE		
Languages	German (native) • English (fluent) • Dutch (fluent) • Spanish (basic)		
Software	R • LyX/LaTeX • GitHub • Microsoft Office		
References	Jo Swinnen • Ph.D. supervisor IFPRI, KU Leuven <u>email</u>	Bjorn Van Campenhout • mentor IFPRI, KU Leuven <u>email</u>	
	Pedro C. Vicente • supervisor Nova University Lisbon <u>email</u>	Robert Sparrow • former supervisor Wageningen University <u>email</u>	