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EDUCATION

2010: PhD in Development economics (with honors), CERDI, University of Clermont 1, France.

Dissertation topic: The impact of developed countries' subsidies on world cotton market

2007: Professional Master's degree in development projects appraisal, CERDI, France.

2003: Research Master's degree in development economics (with honors), CERDI, France.

2001: Bachelor's degree in economics (with honors), CERDI, France.

2000: Bachelor's degree in economics (with honors), University of Bamako, Mali.

1998: Baccalaureate in Maths and Economics (with honors), Lycée Technique de Bamako, Mali.

FIELDS OF INTEREST: Agricultural economics, Commodity markets, International trade, General equilibrium modeling, Time series econometrics

MAIN RESPONSIBILITIES

Head of AGRODEP Technical Resources component (Models and data)

Editor, AGRODEP Working Papers

PROFESSIONAL EXPERIENCE

04/2022-: Senior Research Fellow, International Food Policy Research Institute (IFPRI), Dakar

10/2014-03/2022 Research Fellow, International Food Policy Research Institute (IFPRI), Dakar

10/2011-09/2014 Associate Research Fellow, IFPRI, Washington, D.C and Dakar.

12/2010-09/2011: Research fellow, CNRS-CERDI, France.

09/2010-12/2010: Consultant for the United Nations

05/2005-02/2006 : Consultant for the French Ministry of Agriculture

05/2005-08/2005 : Consultant for the International Labor Office (ILO)

TEACHING EXPERIENCE

09/2008 -08/2010: Teaching Assistant, Microeconomic and Macroeconomic Theory, University of Clermont 1, France.

PUBLICATIONS

- **Peer reviewed articles**

- **2023**

“Modeling policies to improve affordability and consumption of nutritious foods for complementary feeding in Kenya”, with E. Djimeu et al., forthcoming in *Maternal and Child Nutrition*.

“Understanding E10 Markets in the U.S.: Evidence from Spatial Data”, with Simla Tokgoz, forthcoming in *Economic Analysis and Policy*.

“Does Bilateral Trade in Cereals within SADC reflect Virtual Trade in Water between Countries with Different Water Endowments?”, with G. Matchaya and R. Garcia, forthcoming in *Water International*.

- **2022**

“The paradox of the supply elasticity of cotton in Mali”, with I. Diop, *Applied Economic Letters* 30(14): 1856-1860.

“Measuring agricultural trade integration in South-East Asia”, with D. B. Nguyen and A. Bouet, *Journal of Economic Integration*, 37(2): 235-266.

“Endogenous threshold effects and transmission channels of foreign aid on economic growth: Evidence from WAEMU zone countries”, with N. R. Bayale et al., forthcoming in *Transnational Corporations Review* 14(1): 77-93.

“Nonlinear price transmission in the Senegalese rice market: a model-based recursive partitioning approach”, with L. S. Sall and S. S. Jimbira, *Applied Economics*, 54(20): 2343-2355.

- **2020**

“On the proper computation of ad valorem equivalents of non-tariffs measures”, with A. Bouet and D. B. Nguyen, *Applied Economics Letters*, 29(4): 298-302.

- **2018**

“The European Union-West Africa Economic Partnership Agreement: Small Impact and New Questions”, with A. Bouet and D. Laborde, *The Journal of International Trade & Economic Development*, 27(1): 25-53.

- **2016**

“On the co-movement between coffee and cocoa prices in international markets”, with F. Badolo, *Applied Economics*, 48(40)

“Managing the depletion of gold revenues in Mali. An assessment of policy options”, with C. Djiofack, *Natural Resources Research*, 25(2): 183-195.

- **2015**

“Impact of Rising World Rice Prices on Poverty and Inequality in Burkina Faso”, with F. Badolo, *Development Policy Review* 33(2): 221-244.

- **2014**

“Assessing the impact of China net imports on world cotton price”, *Applied Economics Letters*, 21(15): 1031-1035.

- **2013**

“Estimating the Supply Elasticity of Cotton in Mali with the Nerlove Model: A Bayesian Method of Moments Approach”, *Review of Agricultural and Environmental Studies* 94(3): 303-316.

- **2012**

“Do global cotton subsidies affect the Malian economy? New evidence from a multimarket-general equilibrium model”, *Economics Bulletin* 32(2): 1640-1652.

- **2011**

“The impact of the United States subsidies on world cotton price: evidence from ARDL bounds tests”, *Applied Economics* 43 (28): 4193-4203.

- **2007**

« L’impact des aides américaines et européennes sur le marché du coton : résultats d’un modèle d’équilibre partiel dynamique », with C. Araujo Bonjean and S. Calipel, *Notes et Etudes Economiques* 27 : 57-89.

- **Under review**

- On the optimality of common external tariffs in Africa: Evidence from the EAC customs union, with A. Bouet and D. Laborde.
- Road harassment and bribes along ECOWAS trade corridors: what are the trade and economic costs?, With A. Bouet and A. Sy.

- **Research papers in progress**

- Asymmetric Price transmission from world to domestic markets: Evidence from the cotton sector in Mali, with A. Diamoutene and I. Diop.
- Forecasting commodity prices with Long Short-Term Memory neural networks, with R. Ly and K. Dia.
- Has the instability of commodity prices increased? , with M. Diallo and R. Ly.
- Informal cross border trade in West Africa: determinants and impact on price transmission, with C. Mitaritonna, J. Jarreau and S. Bensassi.
- Monopsony power and price transmission in agricultural markets: a general equilibrium analysis
- Economic shocks passthrough under Imperfect competition in the trading sector: A CGE assessment for Senegal, with S. Odjo and P. Zidouemba
- Welfare impacts of onions imports bans in Senegal, with A. Bouet, I. Diop and A. Sy.

- **Research reports**

Assessing the Impact of the African Continental Free Trade Area on Morocco’s economy, with A. Bouet and D. Laborde, Report for the French Development Agency (AFD), 2021, 71p.

Transforming Agriculture in Africa and Asia: The Role of Policies and Public Investments, with D. Laborde, T. Lallemand, C. Smaller and K. McDougal, Research Report for the Bill and Melinda Gates Foundation, 2018, 91p.

Impacts potentiels de l'adhésion du Maroc, de la Tunisie et de la Mauritanie à la CEDEAO , with D. Laborde, report for the UN Economic Commission for Africa, 2018, 72 p.

Economywide Effects of Agriculture Technology Innovations in Burkina Faso, with C. S. Fall and I. Fofana, report for the Center for Development Research (ZEF), University of Bonn, 2018, 31 p.

Modeling the Economywide impact of Technological Innovation and Mapping Agricultural Potential: The case of Malawi, with N. Mathenge, report for the Center for Development Research (ZEF), University of Bonn, 2018, 30 p.

Economywide effects of Agricultural innovations in Ghana, report for the Center for Development Research (ZEF), University of Bonn, 2017, 22p.

The Impact of the EU-Southern Africa Development Community (SADC) Economic Partnership Agreement (EPA), with A. Bouet and D. Laborde, report for the European Commission DG Trade, 2015, 78p.

The impact of the EU-West Africa (WA) Economic Partnership Agreement (EPA), with A. Bouet and D. Laborde, report for the European Commission DG Trade, 2015, 81p.

The Use of and benefit from the international support provided to the least developed countries in the area of trade: the case of Mali, Report for the United Nations, 2011.

Impact des subventions américaines et européennes sur le marché international du coton, with C. Araujo Bonjean and S. Calipel, report for the French Ministry of Agriculture, 2006, 100p.

Chômage et conditions d'emploi des jeunes au Mali , *Employment Strategy Papers 05/08*, 2005, report for the International Labour Office, 54p.

- **Book chapters**

- "Impact of the Russia-Ukraine war on African agriculture trade, poverty and food systems" with D. Laborde and G. Matchaya, in Odjo, S. P., F. Traoré, and C. Zaki, eds. 2023. *Africa Agriculture Trade Monitor 2023*. Kigali and Washington, DC: AKADEMIYA2063 and International Food Policy Research Institute.
- "Agricultural transformation in Asia: An overview of recent experiences" in Vos, Rob; Mamun, Abdullah; Traore, Fousseini; and Laborde Debucquet, David. 2021. Agricultural transformation in Asia: An overview of recent experiences. In *Agricultural transformation in Asia: Policy and institutional experiences*, ed. Aziz R. Arya. Chapter 2, Pp. 40-115. <https://doi.org/10.4060/cb4946en>
- "Informal cross border trade in Africa", in A. Bouet, S. Odjo and C. Zaki (eds), *Africa Agriculture Trade Monitor 2020*, Washington, DC: International Food Policy Research Institute (IFPRI). With A. Bouet, B. Cissé and J. Mayende.
- "Gender and Trade in Africa: Case Study of Niger", in A. Quisumbing et al (eds), 2019 Annual trends and outlook report: Gender equality in rural Africa: From commitments to outcomes. Washington, DC: International Food Policy Research Institute.
- "Monitoring Regional Trade Integration", in A. Bouet and S. Odjo (eds), *Africa Agriculture Trade Monitor 2019*, Washington, DC: International Food Policy Research Institute (IFPRI). With S. Odjo and C. Zaki,
- "A Global Trading System in Turmoil: What is at Stake for Africa?", in A. Bouet and S. Odjo (eds), *Africa Agriculture Trade Monitor 2019*, Washington, DC: International Food Policy Research Institute (IFPRI). With A. Bouet and D. Laborde.

- "Taking stock of Niger's existing regional and global trade Agreements" in F. Wouterse and O. Badiane (eds), *Fostering transformation and growth in Niger's agricultural sector*, Wageningen Academic Publishers, 2018.
- "Domestic and trade policies affecting the world cotton market", in A. Bouet and D. Laborde (eds), *Global Trading System and Food security*, IFPRI, 2017.
- "Global trade patterns", in O. Badiane et al. (eds), *African Agricultural Trade Monitor 2017*, Washington, DC: International Food Policy Research Institute (IFPRI).

- **Other publications**

- "Agricultural Transformation in Asia. An Overview of Recent Experiences" in A. Arya (ed), *Agricultural Transformation in Asia. Policy and Institutional Experiences*, FAO, Bangkok, June 2021.
- "Measuring Food Price Volatility", with I. Diop, *AGRODEP Technical Note TN-19*. April 2021.
- "Measuring integration in Agricultural Markets", with I. Diop, *AGRODEP Technical Note TN-18*. February 2021.
- "A Comparative Analysis of Methods for Updating and Balancing Social Accounting Matrices", with A. Camara and K. Y. Fonton., *AGRODEP Technical Note TN-17*. December 2020.
- "Transforming Agriculture in Africa and Asia: What are the Policy priorities?", with D. Laborde, T. Lallemand, C. Smaller and K. McDougal, Policy Brief of the International Institute for Sustainable Development. September 2019.
- "Economic Accounts for Agriculture and Farm Income in Senegal", with I. Fofana and M. Tankari, IFPRI DP 01641, May 2017.
- "Existing Data to Measure African Trade", with C. Mitaritonna, IFPRI DP 01618, March 2017.
- "The European Union-West Africa Economic Partnership Agreement: Small Impact and New Questions", with A. Bouet and D. Laborde. IFPRI DP 01612, February 2017.
- "Social Accounting Matrices for The Gambia, Liberia, Mauritania, and Sierra Leone", *AGRODEP Data Report 3*, November, 2014
- "A Comparison Between the PEP 1-1 Model and the IFPRI Standard Model", *AGRODEP Technical Note TN-01*, November 2012.

CAPACITY BUILDING ACTIVITIES (selected)

03/2020-09/2021	Multi-country Multi-sector CGE modeling: MIRAGRODEP (online training for the modeling team of the Ministry of Finance of Morocco)
10/2018	Quantitative methods in Economics, seminar organized by WAEMU, Cotonou, Benin
12/2016	Multi-country Multi-sector CGE modeling: MIRAGRODEP-AEZ (Dakar, Senegal)
09/2016	Tools and methodologies to study regional trade, Clinics on NAIPs appraisal process (Dakar, Senegal).
Since 10/2011	Under AGRODEP (model and data components), organization and participation to various training destined for African researchers

Since 09/2014	Co-head, bimonthly research and methodological seminars organized by IFPRI, the Senegalese Institute for Agricultural Research (ISRA) and Cheikh Anta Diop University, Dakar.
06/2014	Supervision of the work of two AGRODEP members on their research projects on trade integration in Africa under two AGRODEP grants
06/2014	2014 AGRODEP training courses - Advanced CGE Modeling, Dakar.
09/2012	Introduction to general equilibrium modeling, Ethiopian Economics Association, Addis Ababa, Ethiopia

CONFERENCES/SEMINARS/WORKSHOPS (selected)

- June 2018: ICABR 2018: Disruptive Innovations, Value Chains, and Rural Development, World Bank, Washington, DC.
 - June 2015: 18th Conference on Global Economic Analysis (GTAP), Melbourne, Australia
 - June 2014: 17th Conference on Global Economic Analysis (GTAP), Dakar, Senegal.
 - June 2009: 12th Annual Conference on Global Economic Analysis (GTAP), Santiago, Chile.
 - July 2007: 12th Annual Conference of the African Econometric Society, Cape Town, South Africa.
 - January 2007: 8th Annual Global Development Conference. Global Development Network Awards and Medals Competition, Beijing, China.
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LANGUAGES

- English: fluent; German: introductory
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COMPUTING SKILLS

GAMS, MATLAB, EViews, Stata, Scientific Workplace.

ACTIVITIES AND INTERESTS

Referee for *Agricultural Economics*, *Applied Economics*, *Food Policy* and *Revue d'économie du développement*
