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### **Current positions**

2016 - Senior Lecturer, School of Economics, University of Cape Town – South Africa  
2016 - Affiliated Research fellow, Center for Development Research, University of Bonn, Germany

### **Recent positions**

2012 - 2015: Senior Researcher, Center for Development Research, University of Bonn, Germany  
2015: Visiting Scholar, University California Berkeley, USA , Department of Agricultural and Resources Economics

### **Research Focuses**

Agri-environmental public policy with regard to risks and transaction costs  
Growth, poverty and bio-economy  
Economics and development policy

### **Qualifications**

Ph.D., Economics, University of Bordeaux, France, 2011  
MSc., Economics, University of Nantes, France, 2007  
BSc., Economics, University of Montpellier, France, 2005

### **Teachings**

Microeconomics (undergraduate)  
Development Economics (postgraduate)  
Natural resources Economics (postgraduate)

### **Memberships of professional societies**

American Economic Association  
The Economic Society of South Africa  
American Association of Agricultural Economics  
Agricultural Economics Association of South Africa  
Natural Resource Modeling Association

### **Publications**

#### **Peer-reviewed book chapters**

1. Promoting a transition towards free carbon technologies in developing nations: Overcoming existing barriers through energy governance strategies, 2011, in Morena J. Acosta (ed): Advances in Energy Research. Col 9, Nova Publishers, ISBN: 978-1-61470-485-0
2. Governance of natural resources and institutional performances in Central Africa, 2015, African Governance Institute, DAAD, Germany (with Folaranmi D. Babalola and Girma)

3. Economic analysis of water policy reforms in South Africa: the case of the Olifants river basin (BMBF, Germany) forthcoming

#### **Peer-reviewed journal articles**

1. The analysis of transaction costs in water policy implementation in South Africa: trends, determinants and economic implications, Forthcoming in *Water Economics and Policy*, 2016, (with Georgina Wambui and Anthea Coggan)
2. Assessment of Risks Associated with Production and Marketing of Cocoa in Ondo State, Nigeria, Forthcoming in *Agroforestry systems*, 2016 (with Opeyemi E. Ayinde., Folaranmi D. Babalola., Paxie W. Chirwa)
3. Implications of water policy reforms for agricultural productivity in South Africa: Scenario analysis based on the Olifants river basin in *Water Resources and Economics*, 2015, vol 9, pp 60 – 79 (with Edwin Muchapondwa, Johann Kirsten and Magalie Bourblanc)
4. Implications of water policy reforms for virtual water trade between South Africa and its trade partners: Economy-wide approach in *Water Policy*, 2015, vol 17, pp 649 – 663 (with Rashid Hassan)
5. Developing capacities for implementing the water-energy-food nexus, 2015, in *Change and Adaptation in Socio-Ecological Systems* (with Czunyi Sarah)
6. Property rights, institutions and forest resources management in developing countries in *Natural Resources*, 2014, vol 5, pp 107 – 118
7. The constraints in managing a transition towards clean energy technologies in developing countries: Reflections on energy governance and alternative policy options in *International Journal of Technology, Policy and Management*, 2012, Vol 12, pp 115 – 134 (with Henri Moll)
8. Policy instruments for a market penetration of low carbon technologies in South Africa in *International Journal of Energy Sector Management*, 2012, vol 6, iss 4, pp 465 – 487
9. Modeling energy policy goals for the deployment of low carbon technologies in African developing countries, in *Applied Energy*, 2012, vol 94, pp 98 – 108 (with René Benders and Henri Moll)
10. An energy pricing scheme for the diffusion of decentralized renewable technology investment in African developing countries, in *Energy Policy*, 2011, vol 39, pp 4284 – 4297
11. Renewable energy, poverty alleviation and African developing nations in *Journal of Energy in Southern Africa*, 2011, vol 22. No 3 pp 23 – 34
12. Renewable decentralized in developing countries: Appraisal from microgrids project in Senegal in *Renewable Energy*, 2010, vol 35, pp 1615-1623

#### **Submitted papers**

1. Estimating farmers' willingness to participate (WTP) in index-based crop insurance coverage in Southern Burkina Faso (with William Fonta, Safiétou Sanfo, Boubacar Ibrahim, Boubacar Barry and Marc Müller)
2. Linkages between capacity development practices and water use efficiency in smallholder irrigation systems in South Africa: some reflections and relevant stylized facts (with Janos Bogarti, Bernard Tischbein, Uta When de Montalvo)

3. The regulation of water allocation and quality in irrigated agriculture in South Africa (with Georgina Wambui and Edwin Muchapondwa)
4. The implications of forestry in water-energy and food security nexus in Ethiopia (with Dawit Diriba Guta)

#### **Ongoing papers**

1. Agri-environmental policy incentives for water quality improvement in the South African irrigated agriculture: a principal-agent economy-wide approach (with Rashid Hassan and David Zilberman)
2. Gender characteristics and technology investment decisions for soil quality improvement and food security in India
3. Implication of transaction costs in energy policy implementation in Ethiopia (with Dawit Diriba Guta)
4. Pro-poor growth, inclusive growth and trade policy in the oil sector in West and Southern Africa

#### **Conferences proceedings (peer-reviewed ones)**

1. Assessing virtual water trade of agricultural products from a consumer perspective: Example of South Africa in the SADC region (16<sup>th</sup> Annual Conference on Global Economic Analysis, China, 2013)
2. Water governance in developing countries, a new management paradigm (Symposium for European Freshwater Sciences, July 2013, Münster, Germany)
3. How institutions impact on natural resource management? In 3th International Conference on Research for Development, Research for Global transformation, University of Bern, Switzerland, 2012
4. Policy options for a transition toward low carbon technologies in developing nations: Evidence from South Africa, 2nd International Conference on Sustainability Transitions, Lund University, Sweden, 2011
5. Theoretical constraints in managing the transition towards sustainable energy productions in developing nations: Reflections on energy governance and alternative policy options, 2nd International Conference on Sustainability Transitions, Lund University, Sweden, 2011
6. Modeling energy transitions in developing nations: Evidence from South Africa in World Renewable Energy Congress, Linköping University, Sweden, 2011
7. Transitions toward sustainable energy productions in developing nations: Theoretical constraints and reflections on alternative policy options in World Renewable Energy Congress, Linköping University, Sweden, 2011
8. Management of clean energy transition in developing nations in Milen International Conference Visions and strategies to address sustainable energy and climate change, Oslo University, Norway, 2010
9. Improving clean energy affordability in developing nations through renewable technology transfers in 29th USAEE/IAEE North American Conference, Calgary, Canada, 2010
10. The impact of energy market and national stakeholders on the competitiveness of renewable technology diffusions in developing nations in Renewable energy research, Trondheim, Norway, 2010

11. Renewable energy, poverty alleviation and climate change in ISES, Solar world congress, 29th biennial congress of the International solar energy society, Johannesburg, South Africa, 2009

**Advisor (only PhDs)**

Georgina Wambui (University of Bonn, Germany)

Phillipa Kanyoka (University of Bonn, Germany)

**Referees**

Ecological Economics

Energy Economics

Energy policy

Renewable and Sustainable Energy Reviews

Int. Journal water resources and development

Quarteley Journal of International Agriculture

**Responsible for the past projects (recent)**

Integrated Water Resources Management (IWRM) – Middle Olifants in South Africa, BMBF, Germany, 600. 000 Euro (2012- 2015)

Water and capacity building in South East Asia – BMZ – Germany, 224.000 Euro (2016- 2018)

**Additional information**

- Languages: French (native); English and German (Fluent)
- Software: Word, Excel, PowerPoint, PowerPlan, Stata, GAMS

**Referees**

Upon request