

## **CURRICULUM VITAE - DR. NTHABISENG MOHLAKOANA**

### **Background:**

I hold a Doctorate in Innovation and Governance for Sustainable Development from the University of Twente's Department of Governance and Technology for Sustainability (CSTM). My PhD research study focused on analysing the implementation process of the Free Basic Alternative Energy (FBAE) policy by local municipalities in the rural areas of the Eastern Cape, South Africa. I have more than 15 years of experience in research focusing on energy access and use, gender and development in the low-income urban and rural areas, mainly in Southern Africa. Most of my research in recent years emphasizes the importance of gender equality in planning and implementation of energy and other basic services interventions dictated by policies. Since February 2015 my key role has been that of a Research Coordinator on a four-year multiple-partner project titled: 'Productive Uses of Energy and Gender in the Informal Food Sector' with a focus on three African countries namely Rwanda, Senegal and South Africa. Some of my activities at CSTM include research in energy and gender topics, guest lecturing in development studies as well as supervision and co-supervision of graduate, masters and doctoral student's projects. I also have experience in various methods of applying a gender lens and using different gender approaches in energy projects that focus on households and small enterprises.

### **Education:**

2010 – 2014: Doctor of Philosophy (PhD) in Innovation and Governance for Sustainable Development, University of Twente – The Netherlands.  
2003 – Masters (MPhil) (Energy & Development Studies), University of Cape Town.  
1999 - Honours in Social Anthropology, University of Cape Town.  
1998 - Postgraduate Diploma in African Studies, University of Cape Town.  
1998 - Bachelor of Arts, Majors: Sociology & Social Anthropology, University of Cape Town.

### **Academic grants and scholarships received:**

2010 – 2013: PhD – Oppenheimer Memorial Trust International Scholarship  
2001 – 2003: Masters (MPhil) – National Research Foundation (Applied Research and Innovation grant)  
1998: Honours (Social Anthropology): Wenner-Gren Foundation grant

### **Professional Development Courses:**

**2015 – 2017:** University Teaching Qualification courses at the University of Twente.  
**2010 – 2012:** Short course modules taken at the Netherlands Institute of Governance in partnership with European universities, i.e. Utrecht University, Vrije University of Amsterdam, Roskilde University.  
Courses taken: (i) Case Study Research; (ii) Core Themes in Public Administration and Political Science; (iii) Operationalisation; (iv) Content Analysis; (v) Network Governance; (vi) Data Analysis using NVIVO; (vii) Getting it Published

**2008 – 2009:** South African Netherlands Programme on Alternatives in Development (SANPAD) Research Capacity Initiative (RCI). A six-module programme aimed at researchers starting their PhD studies. Durban, South Africa.

**2002:** Management Training Programme at NCO/VNW in Utrecht with an internship component at the Energy Centre of the Netherlands; Petten and Amsterdam offices, The Netherlands.

**1999:** Rural Energy Planning and Environmental Management, MEETI Johannesburg, South Africa.

## Work Experience:

I have international working experience. Besides my employment at the University of Twente in The Netherlands, I have been previously employed as a researcher by several organisations in South Africa, including the University of Cape Town, Human Sciences Research Council, SouthSouthNorth and has worked in collaboration with organisations such as the Gender and Climate Change Southern Africa, ENDA Energie in Senegal, Practical Action Eastern Africa in Kenya and the ENERGIA International Network in the Netherlands.

Below is a summary of organisations and positions I've held since 1998 to date.

### University of Twente, The Netherlands:

#### 2015 (01 Feb) – 2019 (31 Jan)

- Researcher and Project Coordinator on the Productive Uses of Energy project. This project is part of ENERGIA's Gender and Energy Research programme funded by the UK Department for International Development (DFID). The research focuses on the Informal Food Sector and the impacts of energy sources used by micro-enterprises owned by women and men in South Africa, Senegal and Rwanda.
- Researcher on a project commissioned by ENERGIA, the International Gender and Sustainable Energy Network. This research focuses on evaluating gender approaches used by ENERGIA and her 'local' partner networks in countries such as Kenya, Nepal, Senegal, Botswana, Zambia and the Philippines.
- Teaching and student supervision on Bachelor, Masters and Doctoral projects.

#### 2011 – 2014

- University of Twente: Part-time lecturing and student project supervision
- University of Twente: Conducting a doctoral research project focusing on the implementation of the Free Basic Alternative Energy policy in the rural areas of the South African Eastern Cape province.
- University of Cape Town: Contracted external examiner of Master's thesis

### Human Sciences Research Council, South Africa:

#### September 2007 – August 2010

Employed by the Human Sciences Research Council (HSRC) within the Democracy, Governance and Service Delivery (DGSD) unit where my research primarily focused on household energy research issues that explore urban and rural areas of South Africa by integrating aspects of migration, service delivery, gender and urbanization. The following is a list and short description of projects I was part of while working at the HSRC during this period.

**Gender and Energy Network of South Africa (GENSA):**

The project was funded by The Netherlands Directorate General for International Cooperation (DGIS) and facilitated by the International Network on Gender and Sustainable Energy (ENERGIA) network.

**Department of Energy: INEP**

The project was funded by the Department of Energy to explore the impacts of electrification on low-income households throughout the country. The results of the study are used to improve the energy services currently provided by government to alleviate energy poverty in low-income areas.

**University Interaction with External Social Partners:**

The project was commissioned by the National Research Foundation and led by the Education and Skills Development unit where I was invited to partner on behalf of DGSD to conduct research at several South African universities. The project investigated the extent of university interactions with external social partners such as local farmers, businesses, community development projects and other initiatives.

**Alleviating Poverty through Provision on Local Energy Services (APPLES):**

The project focused on energy poverty alleviation using local resources in the low-income areas of South Africa. The case study sites include High Flats in Ixopo, KwaZulu-Natal and Imizamo Yethu Township in Cape Town.

**Technology Oriented Initiatives in Rural Areas to Promote Economic Development:**

A study commissioned by the Department of Science and Technology to assess the level of technology infiltration and its developmental impacts in the rural areas of SA.

**Horizon scanning:**

A study conducted for the Presidency in projecting the potential impacts of Climate Change on poor households in the next 25 years commencing in year 2007.

**RED Door Phase-two:**

A project funded by the Western Cape Economic Development and Tourism to assess the impacts of Red Door centres on small businesses throughout the Province.

**Xenophobic violence study:**

Commissioned by the CEO of the HSRC in response to the Presidency's call to find out what the cause of the xenophobic violence outbreak is in South Africa. The research team held in-depth interviews and focus group discussions with those affected by the violence and those at decision making levels.

**Independent Research Consultant:****Nov 2004 – Aug 2007:**

I have worked as an independent research consultant on full-time basis with a number of associates within the field of energy, research and development. Some of my work included

project proposal writing for funding, development of the research studies and projects, facilitating fieldwork and using appropriate data collection methods, data analysis and reporting back to the client by means of presentations and written reports. Some of the projects I have undertaken during this period include the following:

Please note that full information on these projects is available on request.

- Impacts of power blackouts in low-income households
- Integrated National Electrification Programme (INEP) assessment
- Khayelitsha Air Pollution Strategy (KAPS)
- Assessment of the Hluleka and Lucingweni mini-grid hybrid project
- RAPS Consulting Sparknet online conferencing project
- South-South-North Waterleaks project
- Eskom CFL roll-out programme
- GRACE research project – South Africa
- Women in Energy Audit
- Capacity building and monitoring of national renewable energy targets

#### University of Cape Town, South Africa:

##### Work experience - Dec 1998 – Sept 2004:

Employed at the University of Cape Town, Energy Research Centre as a researcher on energy and development with a focus on low-income urban and rural households. Some of the projects I have undertaken during this period include the following:

Please note that full information on these projects is available on request.

- Barriers to Energy Services in Low-income Urban Areas
- Electricity Basic Support Services Tariff (EBSST)
- Solar Concessions Project
- Eskom Case Studies Project
- Sustainable Energy, Environment & Development
- Solar Water Heaters for Urban low-income Households

#### **Board Membership:**

**Journal of Energy in Southern Africa (JESA), 2016-current:** Editorial Board Member responsible for reviewing articles submitted for peer review, suggesting reviewers and encouraging of high quality research papers to be considered for publication on this journal.

**GenderCC Southern Africa, 2008-2012:** Women for Climate Change Justice – Member of the steering committee responsible for planning and decision-making on climate change adaptation activities around South Africa and working with women and gender networks in the related areas. <http://www.gendercc.net>

**Breadline Africa, 2006-2014:** “An internationally registered charity that seeks out partnerships of hope and growth in Africa. It seeks to connect people who are struggling to achieve the most basic living conditions with others who are more fortunate and in a position to make a

difference". <http://www.breadlineafrica.org>

### **Advisory and Voluntary Expertise:**

**Dec. 2005 – September 2010:** Selected as the National Focal Point for the ENERGIA Gender and Energy International Network to facilitate the Gender and Energy Network of South Africa's (GENSA) activities such as workshops with members and contributing to energy policy work in the country.

**Nov. 2006 – Apr. 2007:** Part-time voluntary consultant as an energy expert for the Women's Global Green Action Network based in New York City. Consulted to assist affiliated to the NYC Young Women's Sustainability and Leadership with the preparations for the 2006 Commission on Sustainable Development (CSD).

### **Selected conferences and workshops:**

2017 - Vienna Energy Forum 2017. Presentation at the side event panel discussion organized by ENERGIA and UNIDO – 'Building the evidence: gender inclusive energy policies enabling progress towards SDGs'. Vienna, Austria.

2017 - World Sustainability Forum. Presentation on research findings based on the project 'Productive Uses of energy and Gender in the Informal Food Sector'. Cape Town, South Africa.

2016 - Engendering the Energy Transitions Symposium. Presentation titled: 'Energy to power micro enterprises in the informal food sector'. November 2016, Enschede, The Netherlands.

2013 – Improving Energy Access Through Climate Finance: Picking the Winners. Presented a paper. 26-28 March 2013, University of Twente, The Netherlands.

2012 - 4<sup>th</sup> Wind Power Africa Conference. Presentation titled: "Challenges faced by two rural South African municipalities in implementing the Free Basic Alternative Energy Policy. 28-30 May 2012, Cape Town, South Africa.

2010 – Gender & Energy Network of South Africa and the Commission of Gender Equality policy workshop. Presented and led a discussion on 'Gender equality in energy policy making'. 18-19 May 2010, Cape Town, South Africa.

2009

- Democracy Development Programme's Public Forum Discussion on Electricity Policy in Post-Apartheid South Africa. On a discussion panel and presented on 'Impacts of Electricity Costs on Gender in SA Low-income Areas'. 26 November 2009, Durban, South Africa.
- The Developmental University and Strategic Challenges for the University of Fort Hare Colloquium. On a discussion panel and presented on 'University-Community Interaction in South Africa – pilot study results'. 05 November 2009, Fort Hare University, Alice – South Africa.

- ENERGIA International Strategic Planning Workshop for period 2011-2015. Attended on capacity as the South African National Focal Point for the ENERGIA International Network. 13-20 September 2009, Zandvoort, The Netherlands.
- Institute for Global Dialogue conference on “Climate Change and Development: Driving an Alternative Energy Future for Southern Africa”. Presented a paper titled: “Renewable energy, gender and the urban-rural divide”, 17-18 August 2009, Pretoria: South Africa.

#### 2008

- ENERGIA International Africa Regional Network meeting. Attended on capacity as the South African National Focal Point for the ENERGIA International network. 08-12 December 2008, Gaborone, Botswana.
- 31st IAEE International Conference and Pre-Conference Workshop. Istanbul, Turkey. Presented a paper titled: “Finally Breaking the Barriers: SA case study on LPG use by low-income urban households”.

#### 2007

- IPCC Outreach Event on WG III Fourth Assessment Report – Mitigation of Climate Change. 31 Oct-1 Nov. Cape Town, South Africa.

#### 2004:

- International Conference for Renewable Energies. 01 – 04 June. Bonn, Germany.
- UIE International Conference. ‘Rural electrification through Solar Home Systems in the Eastern Cape: Affordability and policy implications’ , 18-23 January 2004, Durban, South Africa.

#### 2003

- City Energy Strategies Conference, 19-21 November. Cape Town, South Africa.
- Energy for Development Technology Transfer Workshop, 6-8 August, Durban.
- Workshop on Barriers to Access to Modern Energy in Slums. Presented a case study showing the difficulties low-income SA households have in accessing modern energy services. INDCARE TRUST & GAMOS, India – New Delhi

### Publications:

- **Mohlakoana, N.**, de Groot, J., Knox, A. and Bressers, H. 2018. “Determinants of energy use in the informal food sector”. Development Southern Africa Journal. DOI:10.1080/0376835X.2018.1526059.
- Matinga, M., **Mohlakoana, N.**, de Groot, J., Knox, A. and Bressers, H. 2018. “Energy use in informal food enterprises: a gender perspective”. Journal of Energy in Southern Africa. Volume 29(3), 1-9. Energy Research Centre, Cape Town.
- Gunawan, H., Bressers, H., **Mohlakoana, N.** and Hoppe, T. 2017. “Incorporating the air quality improvement in a local level into climate policy in the transport Sector: Case study in Bandung City, Indonesia. Environments Journal.

- Knox, A., de Groot, J. and **Mohlakoana, N.** 2017. “Post-apartheid spatial inequalities and the built environment: Drivers of energy vulnerability for the urban poor in South Africa” in Simcock, N., Thomson, H., Petrova, S. and Bouzarovski, S. (Eds) 2017. Energy Poverty and Vulnerability: A Global Perspective. Routledge, UK.
- De Groot, J., **Mohlakoana, N.**, Knox, A. and Bressers, H. 2017. “Fuelling women’s empowerment? An exploration of the linkages between gender, entrepreneurship and access to energy in the informal food sector”. Elsevier Journal of Energy Research and Social Science. Volume 28, June 2017, Pages 86-97.
- Clancy, J.S. and **Mohlakoana, N.** and Matinga, M.N. 2013. “Energy poverty: have we got the measure of it?” In: UKDSA Annual meeting, University of Birmingham, 16 November 2013, Birmingham.
- Annecke, W., Abrahams, Y. and **Mohlakoana, N.** 2010. “Left out in the cold while the planet heats up: How can feminists contribute to climate change and energy debates an policy in South Africa today?”. In ‘Agenda: Empowering women for gender equality’. Issue No. 83 – 2010. Durban, South Africa. <http://www.tandfonline.com/doi/abs/10.1080/10130950.2010.9676290#preview>
- Dugard, J. and **Mohlakoana, N.** 2009. “More work for women: A rights-based analysis of women’s access to basic services in South Africa”. South African Journal on Human Rights, Volume 25, Part 3, pp 546-572. Centre for Applied Legal Studies, University of the Witwatersrand: Johannesburg.
  - Also published as a book chapter in Goldblatt, B and McLean, K. (Eds) 2011. “Women’s Social and Economic Rights: Developments in South Africa” Juta Law, Cape Town.
- **Mohlakoana, N.**, Reddy, Y and Wolpe, P. 2010. “Power to the people can change lives”. Article published in the Cape Times newspaper 24 August 2010, pp 9.
- **Mohlakoana, N.** and Annecke, W. 2009. “Use of Liquified Petroleum Gas by South African Low-income Urban Households: A Case Study”. Journal of Energy in Southern Africa, Vol 20, No4: November 2009. [http://www.hsrc.ac.za/Research\\_Publication-21695.phtml](http://www.hsrc.ac.za/Research_Publication-21695.phtml)
- **Mohlakoana, N.** 2004. “Rural electrification through Solar Home Systems in the Eastern Cape: Affordability and policy implications”. Energy in Africa magazine, second issue, February-April 2004.
- **Mohlakoana, N.** 2003. “Needs-based Impact Assessment of Non-grid Rural Electrification: A Case of Eastern Cape”. MPhil dissertation. University of Cape Town.
- **Mohlakoana, N.** & Cowan, B. 1999. “Is there a quick fix?” Seed update. Volume 1, Number 2

## Project reports

- Bressers, H., **Mohlakoana, N.**, Matinga, M., de Groot, J., Batidzirai, B., Knox, A., van der Plas, R. and Diagne, Y. (2016). Productive uses of energy: The informal food sector in South Africa, Rwanda and Senegal.
- **Mohlakoana, N.** 2010. “GENSA Newsletter, Issue 1, June 2010”. Published on the ENERGIA international network website: <http://www.energia-africa.org/fileadmin/site/energia-africa/GENSA%20Newsletter%20Volume%201-June%202010.pdf>
- **Mohlakoana, N.** 2010. “Seed funding report for Gender and Energy Network of South Africa”. Report submitted to the ENERGIA international network. [http://www.hsrc.ac.za/Research\\_Publication-22104.phtml](http://www.hsrc.ac.za/Research_Publication-22104.phtml)

- Mncwango, M. B., Struwig, J., **Mohlakoana, N** and Kivilu, J. M. 2008. "A Socio-economic impact study of electrification process. (Commissioned to the HSRC by the Department of Minerals and Energy, September 2008).
- Morphet, T., Prosalendis, S., **Mohlakoana, N.**, Hadland, A. and Davids, D. 2008. "Red Door Impact Study Phase Two". (Commissioned to the HSRC by the Department of Economic Development and Tourism, Western Cape). [http://www.hsrc.ac.za/Research\\_Publication-20866.phtml](http://www.hsrc.ac.za/Research_Publication-20866.phtml)
- Pillay, S. Barolsky, V. Naidoo, V. **Mohlakoana, N.** & Hadland, A. 2008. "Citizenship, violence and xenophobia in South Africa: Perceptions from SA communities. (Commissioned by the CEO of the HSRC, June 2008). [http://www.hsrc.ac.za/Research\\_Publication-20635.phtml](http://www.hsrc.ac.za/Research_Publication-20635.phtml)
- Mazibuko, S., Hart, T., Mogale, M., **Mohlakoana, N.** & Aliber, M. 2008. "Baseline information on technology-oriented initiatives in rural areas to promote economic development". (Report submitted to the Department of Science and Technology, February).
- Seager, J. & **Mohlakoana, N.** 2007. "Horizon scanning in South Africa: the potential impacts of climate change on poor households". HSRC, Cape Town. (Commissioned by the Presidency, September).
- Annecke, W., **Mohlakoana, N.** and Dobbins, A. 2007. "From Electricity to LPG and back again: Power Cuts, LPG Supply and the Poor in Khayelitsha 2006/2007". Study funded by the South African National Energy Research Institute (SANERI).
- **Mohlakoana** et al. 2006. "Audit of Women in the Energy Sector: Ten Years On". Report written for the Department of Science and Technology.
- Thom, C. and **Mohlakoana, N.** 2000. "The use and impact of electricity in Garagopola-Legabeng". EDRC, University of Cape Town.
- Cowan, B, Banks, D, **Mohlakoana, N** & Tyani, L. 1999. "A preliminary investigation of energy needs, energy supply initiatives and opportunities of improvements in the Maluti and Mount Fletcher districts of eastern Cape". EDRC, UCT.