WANDIA SHARON RIUNGA

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**SHORT BIO**

Over seven years of experience in the fields of statistical monitoring and development impact assessment. Spent 6 years as a Statistician in the Global Urban Observatory of UN-Habitat responsible for the creation of measurement tools and methodologies for the assessment of key urban planning elements necessary for monitoring sustainability, inclusivity and prosperity of cities. Created tools such as the City Prosperity Index (CPI) in 2012. I also contributed to the preparation of statistical annexes of UN-Habitat’s flagship reports, such as the State of the World’s Cities: Prosperity of Cities in 2012/13 and Bridging the Urban Divide in 2010/11 and the Global Report on Human Settlements: Planning and Design for Sustainable Urban Mobility in 2013, Cities and Climate Change in 2011 and Planning Sustainable Cities in 2009. I hold two Master degree’s, one in Applied Statistics, and the other in Supply Chain Management and a Bachelor of Science degree in Mathematics.

**EDUCATION**

**2014 – 2017 Master of Management, International Supply Chain and Logistics**

• University of Windsor, Windsor, Ontario, Canada

**2008 – 2007 Master of Science, Applied Statistics and Research Methods**

• University of Northern Colorado, Greeley, CO, USA

**2002 – 2007 Bachelor of Science, Mathematics**

• University of Northern Colorado, Greeley, CO, USA

• Certificate of Outstanding Academic Excellence, May 2007 by School of Mathematics

**PROFESSIONAL EXPERIENCE**

**April 2018 – Nov 2018** **Statistician, ECA, United Nations**

* Drafted the Reference Guide on Cities and Human Settlements in Africa, that included detailed description of dimensions and indicators; provided an outline of practical ways member States can obtain proposed indicators; offered multi-dimensional approach solutions to strengthen national statistical systems.
* Prepared draft chapter on Goal 11 of Agenda 2030, including the introduction which gave a brief definition of goal, outline of purpose, targets and indicators and linkages with Agenda 2030.
* Made use of performance tracking by describing trends of the indicators which involved an analytical write up on each SGD 11 indicator at the regional context.
* Proposed recommendations on future processes and opportunities that include both traditional and new data ecosystems.
* Presented best practices and examples of where African Member States compiled some of the proposed urban indicators to demonstrate their feasibility.

**Sept 2017 – March 2018** **Supply Chain Analyst,** **Transportation Consultant**

* Developing predictive data models using statistical, and data mining methods to minimize cost production schedules, and to generate optimum order quantities.
* Consulted for private companies to identify ways to save money in the company's supply and transportation network. Focused on the effectiveness of current transportation methods to solve network flow model problem.

**Oct 2008 – May 2014** **Statistician, United Nations Humans Settlements Programme**

Global Urban Observatory Unit, Research & Capacity Division. Nairobi

* Developed indicators to facilitate inter-country comparison of socio-economic issues; incidence of slums, shelter deprivation, health, and the urban wealth index.
* Promoting the use of international statistical standards by national statistical offices and providing technical assistance for this effect; facilitated 4 statistical training workshops in Africa, Asia and the Middle East for local urban observatories
* Computed income and consumption inequality indicators for UN-HABITAT. Found in 2010 The State of the World Cities Report: Bridging the urban divide. London: Earthscan

• Managed, maintained and disseminated statistical databases for analytical and monitoring purposes

* Performed advanced statistical modeling in discrete choice, segmentation, cluster analysis, factor analysis, and decision trees
* Conducted analysis on specific topics using multivariate analysis; Created Statistical programmes on the Habitat- Agenda Indicators
* Performed research with real, large survey data sets; Census, Demographic Health Surveys and Multiple Indicator Cluster Surveys

• Developed statistical programs for the statistical analysis and reporting of the Slum Regional and Country Estimates, published under the Millennium Development Goals- The MDG Target 7D (Slum Target)

**Nov 2014 – Dec 2015 HIV Campaign Coordinator AIDS Committee of Windsor, Ontario**

• Work with local community organizations and groups to promote the integration of HIV/AIDS into their current programs, services, and policies/procedures

• Coordination of the HIV Testing Campaign 2015 - Providing information to organizations and groups to better inform target groups about the HIV Testing Campaign 2015

**CAREER ACHIEVEMENTS**

* **Creation of the City Prosperity Index (CPI) in 2012**. A measurement tool and methodology for the assessment of key urban planning elements necessary for monitoring sustainability, inclusivity and prosperity of cities
* **Preparation of statistical annexes of UN-Habitat flagship reports**, the State of the

Worlds Cities: Prosperity of Cities in 2012/13 and Bridging the Urban Divide in 2010/11 and the Global Report on Human Settlements: Planning and Design for Sustainable Urban Mobility in 2013, Cities and Climate Change in 2011 and Planning Sustainable Cities in 2009

**COMPUTER SKILLS**

• Front-End Web Developer, proficient in HTML, CSS, and JavaScript

• Coder, Proficient in R, moderate level Python,

• Data Analysis Expert with experience using SAS, STATA and SPSS

**COMMUNITY INVOLVEMENT**

**2013 – Present Rotarian** ROTARY International, Madaraka Chapter, Nairobi, Kenya

* Participated in a voluntary youth mentorship project at the Youth Correctional and Training Center, Kamiti, Nairobi

**August 2008 Field Communicator**

KOMAZA, Konza, Kenya

* Conducting a baseline surveys
* Strengthened the capacity of families in Konza to plant and maintain small-scale, income-generating tree farms
* Fundraising

**REFERENCES**

Dr. Omondi Odhiambo, PhD

Regional Coordinator for Africa

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Dr. Gora Mboup

Sr. Demographic & Health Expert

Chief, Global Urban Observatory (Former)

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