

Curriculum Vitae

Shuaib Lwasa, Ugandan, Male, 39 yrs

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Education

Ph.D. in Urban Land Management, Makerere University, Kampala, Uganda, 2007.

Masters in Geographic Information Science for Urban Planning and Management Applications, International Institute of Aerospace Survey and Earth Sciences, Enschede, Netherlands, 1998.

M.A. in Land Use and Regional Development Planning, Makerere University, 1999.

Bachelors in Geography, Makerere University, 1995.

University Teaching

Lecturer, Department of Geography, Makerere University, August 2009 to date

Part-time Lecturer, Department of Geography, Makerere University, October 1998 – July 2009

Part-time Lecturer East African School of Library and Information Science, Makerere University, October 1998 – July 2000 taught Geographic Information Systems for MSc. In Information Science

Lecturer, Department of Environmental Sciences, Islamic University in Uganda, September 2001 – October 2004. Teaching Geographic Information Systems, Land use planning, Regional Development and Natural Resource Management

Professional experience

Projects

Regional Research Scientist, Urban Harvest - International Potato Center, October 2006 to date; Leader of eleven-person strong research team from diverse national and International partners on the four year Focus Cities Research Project-Kampala which is seeking for practical solutions to the intertwining issues of urban poverty and environment through action planning and illustrating good practices. Key responsibilities include research program development, field research coordination, contracting and supervising consultants, scientific writing of reports, financial management, monitoring and evaluation of anticipated outcomes

Geospatial technology specialist and instructor, Capacity Building project for local governments in utilization of Geographic Information System for enhancement of planning and decision making, Rockefeller funded project co-implemented by MUIENR and Department of Geography, Makerere University, 2005 to 2007

Urban Planner and GIS Expert, Making The Edible Landscape project. International research collaboration between KCC, McGill University Canada and Makerere University, September 2004 to May 2005. Involved integration of urban poor in urban development through searching or alternative options of accessing land, neighborhood design and planning

Kampala City Council GIS unit establishment, GIS Manager Kampala, Uganda. December 2003 to June 2004 Operationalized the GIS unit at KCC. Responsible for designing and developing GIS applications to support KCC activities, including; land administration, roads information system, a property valuation information system, and topographic base map for Kampala.

Consultancy

Consultant, United Nations Human Settlements Program, National Urban Shelter Profiling Study for Uganda, Team Leader August to December 2009

Consultant Evaluator, Belgian Technical Cooperation, Kampala Integrated Environmental Planning and Management, Mid-Term Review, August 2009

Consultant, United Nations Human Settlements Program, Sustainable Urban Development and GIS Expert on Cities Climate Change Initiative, December 2008 to February 2009

Consultant, Institute of Security Studies, August to September 2008, Scoping study on the nature and extent of environmental crime in Uganda

Consultant, United Nations Development Program, Geospatial analyst on Northern Uganda social services delivery systems, November 2007 to January 2008

Consultant Evaluator, Evaluation of the Natural Resources Strategy for NAADS, October 2006 to February 2007, Environmental Alert. Concerned with evaluating the implementation of the natural resources strategy of NAADS and how it has affected farm-household level sustainable natural resource management strategies.

Consultant Evaluator, Assessing the role and magnitude of urban agriculture towards supporting urban livelihoods in Uganda, August 2006 to January 2007, Environmental Alert. Concerned with evaluating the importance of urban agriculture in food-income and employment among urban population and how this relates with current policy as a basis for formulating an urban agriculture policy.

Consultant, Ministry of Local Government, July 2003 – November 2003
Developed training manuals for the Urban Planning and Management Module for local governments under the Local Government Development Program to be implemented for all Town Councils and Municipalities.

Consultant, Tahal Engineering and Transportation, February 2003 – June 2003
Transportation data collection, preliminary zoning of transport zones, Origin Destination reconnaissance studies, Preparation and integration of digital spatial data in to transportation

models to support the Uganda Transportation Master Plan and the Greater Kampala Transportation Master Plan.

Principal Consultant, Ministry of Health, July 2000 to 2003, Responsible for health infrastructure surveying using GPS, and mapping of health infrastructure in 56 districts of Uganda.

GIS Consultant, Eco-Shelter and Environmental Consultants, July 1999 – June 2001
Responsible for mapping and creation of spatial database for social services in Kampala City under the City Development Strategy of the World Bank.

Consultant, Nile Independent Power, November 2001 – April 2002, Environmental impact assessment study

Consultant, Norplan Uganda Ltd, November 1998 – May 1999, GIS mapping and spatial analysis of surveyed sites for Archaeological importance, Environmental Impact Assessment study for Budhagali Hydro-power project.

Seminar and Conference papers

Lwasa S., Mugagga F., Tugume D., 2009, Adaptations of Land use to climate variability and change; effects on rural livelihoods in Uganda, AfricaGIS 2009 26th – 30th October, Commonwealth Resort Munyonyo, Kampala Uganda

Lwasa S., 2009, Geospatial analysis and decision support for health services planning in Uganda, AfricaGIS 2009 26th – 30th October, Commonwealth Resort Munyonyo, Kampala Uganda

Lwasa S., 2009, Analysis of rural energy demand and planning for service delivery in Uganda AfricaGIS 2009 26th – 30th October, Commonwealth Resort Munyonyo, Kampala Uganda

Lwasa S., 2009, High resolution imagery and analysis of urban sprawl in Uganda, Global Dialogue and Emerging Science and Technology (GDEST) Pilot Project, US Embassy Uganda and AfricaGIS 2009 26th – 30th October, Commonwealth Resort Munyonyo, Kampala Uganda

Lwasa, S., Cecilia Njenga, 2009, Reappraising the Role and Impact of Urban Planning Processes in Eastern Africa. First South African, City Studies Conference, University of the Witwatersrand, John Moffat Building, 24 and 25 June 2009 Johannesburg

Lwasa, S., 2009, Innovative Planning and adaptation to CC for improved Urban Communities: The Kampala case, Cities in Climate Change Initiative (CCCI) workshop on CLIMATE CHANGE AND URBAN PLANNING due 28-30 May 2009, Rotterdam

Lwasa, S., 2009, Confronting the urban challenge in Sub Saharan Africa: Participatory Action Research, institutional capacity and governance in Kampala, paper presented at the Research Colloquium preceding the Commonwealth Local Government Conference 2009, 10 – 11th May 2009, Freeport, Grand Bahamas

Lwasa, S., 2009, Urban Governance and Poverty Reduction in Uganda: Lessons from Foreign Aid Regime of Local Government Development Program, paper presented at the Commonwealth Local Government Conference 2009, 11 – 14th May 2009, Freeport, Grand Bahamas

Lwasa, S., Tenywa, M., Nasinyama G., Sengendo H, 2009, Enhancing adaptation of poor urban dwellers to the effects of climate variability and change, paper presented at the Conference on Climate Change: Global Risks, Challenges and Decisions March 10-12, 2009, University of Copenhagen, Denmark

Lwasa, S., 2009, Managing city growth and development in Africa; challenges and opportunities, paper presented at the Open Science Conference on Social Challenges of Climate Change, 26th to 30th April 2009

Wasswa H., Lwasa S., 2009, Intrinsic economic values for incentivizing sustainable wetland ecosystems management in Uganda; influencing social behavioral change, paper presented at the Open Science Conference on Social Challenges of Climate Change, 26th to 30th April 2009

Bamutaze Y., Lwasa S., 2009, Can Africa build resilient systems to realities of increased natural and human induced disasters?, paper presented at the Open Science Conference on Social Challenges of Climate Change, 26th to 30th April 2009

Lwasa, S., 2009, Socio-economic Applications of Geospatial techniques, GIS Awareness Workshop, 7th April 2009, Faculty of Technology, Makerere University

Lwasa S., 2009, The Role of Indigenous Knowledge Systems in Natural Resource Management for Sustainability: A case Study of Karuma Hydropower Project Area, Uganda, paper presented at the OSSREA Uganda Chapter workshop, 4th April 2009, Makerere University, Kampala Uganda

Lwasa S., 2008, Informal and Formal land markets in Africa, paper presented at the Expert Group Meeting on "Land for Sustainable Urbanization in Africa" 21-22 February 2008, UNECA Addis Ababa Ethiopia.

Lwasa S., 2008, Productive Urban Spaces and Indigenous Vegetables; policy dialogues and experiences from Kampala, proceedings of the International Policy Dialogue Workshop: The promotion of Indigenous Vegetables in African Urban and Peri-urban spaces; 23rd to 26th January 2008, Rhodes University, Grahams town, South Africa

Lwasa S., Prain G., Tenywa M. M., Majjaliwa G., M., Sengendo H., Nasinyama G., 2008, Outcome oriented geospatial applications in research; Urban Harvest experiences, proceedings of the Global Dialogue on Emerging Science and Technology Conference on Geospatial Sciences for Sustainable Development in Africa that will be held in Cape Town, South Africa from March 16-20th 2008

Lwasa S., 2008, Impact Evaluation of NAADS Natural Resources Strategy for rural livelihoods transformation and environmental sustainability in Uganda, proceedings of IDEAS Impact Evaluation Workshop, 4th April 2008, Kuala Lumpur, Malaysia

Lwasa S., 2006, Alternative pro-poor models for Urban Services and Infrastructure delivery in Uganda, Public expenditure and service delivery in Africa: Managing public expenditure to improve service quality and access, UNECA, Addis Ababa

Lwasa S., 2005, Applying Geo-Information for Urban Land Use Planning and City Management in Kampala, Proceedings of the Africa GIS 2005 Conference, 31st October to 2nd November 2005, Tswane

Lwasa S., J. B Nyakaana and Hannington Sengendo, 2005, Environmental Impacts of Land Use Land Cover Change in Metropolitan Kampala, The 6th Open Meeting of the Human Dimensions of Global Environmental Change Research Community, University of Bonn, 9-13 October 2005

Bamutaze, Y., Lwasa., S. (2004). Are Kampala's floods driven by Geo-physical Processes? An assessment of the Causes and impacts to the urban population. ICSU, Dark Nature Project Proceedings

Lwasa S., 2005, Assessment of Development Planning and Plan Implementation Processes for Social Services delivery in Kampala, Network of Ugandan Researchers and Research Users

Lwasa S., 2005, Local Government Development Program and Poverty Reduction in Uganda: Lessons learned from Foreign Aid International Regime, International Aid, Trade and Development in Africa: The search for a Development paradigm, 21-23 November 2005, United Nations Conference Centre (UNCC), Addis Ababa, Ethiopia. Forthcoming in Journal of Local Governance, May 2009

Lwasa S. 2004, Urban Expansion Processes of Kampala in Uganda: Perspectives on contrasts with cities of developed countries, panel paper, cyber seminar, November 29-December 15, 2004, <http://www.populationenvironmentresearch.org>

Lwasa S. 2004, A Geo-Information Approach for Urban Land Use Planning in Kampala, proceedings of the FIG Working Week 2005 and GSDI-8, Cairo, Egypt April 16-21, 2005

Lwasa S., 2004, Role of IKS in Decision Making for Two Hydropower Generation Projects in Uganda, Indigenous Knowledge's: Transforming the Academy May 27th 2004, Penn State College, PA

Lwasa S., 2002, Indigenous systems of knowledge and sustainability: Dismissible or adaptable in natural resource use and management, Berlin Conference on the Human Dimensions of Global Environmental Change, Knowledge for the Sustainability Transition: The Challenge for Social Science, Vrie University, Berlin 6th to 8th December 2002

Lwasa S., 2002, Informal land markets, Housing development and its implications to urban environmental change Bonn International Human Dimensions Workshop on "Urbanization and the Transition to Sustainability, 31st 2002 to June 16th 2002

Lwasa S., Opportunities and challenges of Information Technology for Tourism in Uganda World Tourism day workshop on "Technology and Nature: Two Challenges for Tourism at the dawn of the 21st Century, September 2000

Lwasa S., Environmental crisis in Communities of the Urban Poor, OSSREA workshop, January 1999,

Lwasa S., 1999, Planning and Social equity Issues in Kampala, Architects International Conference on "Urbanization in Uganda and the Challenges of the 21st Century

Lwasa S., 1999, Survival by the Garbage skip by the urban poor communities in Kampala environs, Workshop on People, Place and Provisioning, December 1999

Journal Articles and other Publications

Shuaib Lwasa, M Tenywa, GJ Majaliwa Mwanjalolo, H Sengendo, Gordon Prain, 2009, Enhancing adaptation of poor urban dwellers to the effects of climate variability and change, Climate Change: Global Risks, Challenges and Decisions, IOP Conf. Series: Earth and Environmental Science 6 (2009) 332002

Lwasa S., Managing City Growth and Development in the Context of Environmental Changes within Sub-Saharan Africa, Urbanization and Global Environmental Change (UGEC) Viewpoints, No. 2 September 2009 www.ugec.org

Lwasa S., 2009, Green Society, green cities series; Kampala experiences, accepted for SAGE Publications

Lwasa S., 2009, The Role of Indigenous Knowledge Systems in Natural Resource Management for Sustainability: A case Study of Karuma Hydropower Project Area, Uganda, Forthcoming in Mawazo, Makerere University, Kampala Uganda

Lwasa, S., 2009, Confronting the urban challenge in Sub Saharan Africa: Participatory Action Research, institutional capacity and governance in Kampala, Accepted for the International Journal for Local Governance, November 2009 Special Issue from research Colloquium of the Commonwealth Local Governance Conference at Grand Bahamas

Lwasa, S., 2009, Urban Governance and Poverty Reduction in Uganda: Lessons from Foreign Aid Regime of Local Government Development Program, Accepted for International Journal for Local Governance, November 2009 Issue

Byamugisha H., Ikoja-Odongo R., Nasinyama G. W., Lwasa S., 2008, Information Seeking and use Among Urban Farmers in Kampala District, Agriculture Information Worldwide, Vol 17, No. 3., 2008

Lwasa S., 2008 Sustainable natural resources management for rural livelihoods transformation and poverty reduction in Uganda: An evaluation, Proceedings of the International Conference on Natural Resources Management and Climate Change in Africa, AERC, September 2008, Nairobi

Lwasa S., 2008, Impact Evaluation of NAADS Natural Resources Strategy for rural livelihoods transformation and environmental sustainability in Uganda, IDEAS, 2008

Lwasa S. 2004, A Geo-Information Approach for Urban Land Use Planning in Kampala, proceedings of the International Federation of Surveyors Conference, Cairo, Egypt, 2005

Bamutaze, Y., Lwasa., S. (2004). Are Kampala's floods driven by Geo-physical Processes? An assessment of the Causes and impacts to the urban population. ICSU, Dark Nature Project Proceedings

- Lwasa S., 2005, Assessment of Development Planning and Plan Implementation Processes for Social Services delivery in Kampala, Network of Ugandan Researchers and Research Users, published manuscript
- Lwasa S. 2006, Planning for Health Infrastructure in Uganda; where is the need?, GIS Development Africa Portal, Issues Vol. 1 No. 1, July 2006
- Lwasa S. 2006, Pulling the Strings for Policy; The urban bias and environmental challenges in Uganda, IHDP, Vol. 3 No. 4, 2006
- Lwasa S., 2006, Solid Waste Management and Urban Environmental Management in Unplanned Settlements of Kampala, Uganda, African Social Science Review, Vol 3, No. 3, Pages 54-72, Fall 2006
- Lwasa S., 2007, Geospatial analysis and decision support for health services planning in Uganda, Geospatial Health Vol. 2 No. 1, Pages 29-40, 2007
- Lwasa S. 2004, Urban Expansion Processes of Kampala in Uganda: Perspectives on contrasts with cities of developed countries, <http://www.populationenvironmentresearch.org> , 2004
- Lwasa S., 2004, Role of IKS in Decision Making for Two Hydropower Generation Projects in Uganda, Conference proceedings of Indigenous Knowledge's: Transforming the Academy, Penn State College, PA, 2004
- Lwasa, S. 2003. Social networks of housing provisioning in large cities of Uganda. International Social Science Council, ISBN 92-9107-004-1, Paris.
- Lwasa S. and Sengendo H., 1999, Housing Quality of the Urban Poor: Wandegaya in Kampala, Uganda. Open House International vol. 24 no.2 1999
- Lwasa S., et al, 2008 -2009, Sustainable Neighborhood in Focus Newsletter, issues, 1 – 3, under the Focus Cities Research Initiative Project by IDRC
- Lwasa S., 2009, Policy briefs on; Economic valuation of health outcomes, Economic valuation of flooding in Kampala, Alternative solid waste management, new networks for knowledge sharing, under the Focus Cities Research Initiative Project by IDRC

Books and Book Chapters

- Mukwaya P. I, Sengendo H., Lwasa, S. 2009, Urban Development Transitions and their implications on poverty and policy planning in Uganda, UNU WIDER, the Tipping point for Urbanization, 2009
- Lwasa S., 2009, Sustainable Urban Development: Managing City Development in Uganda, Forthcoming in the Global Urbanization in the 21st Century, Penn Press this fall
- Magigi W, Lwasa S., Drescher W. A., 2009, Land Regularization Framework: A Hidden Social Capital in Formalizing Informal Settlements in Cities of Sub-Saharan Africa, In Social Capital, Ed, Gregory Tripp, Michael Payne, ISBN 978-1-60692-973-5, 2009 Nova Science Publishers, Inc.

Lwasa S., “Urban Land Markets, Housing Development and Spatial Planning in Sub-Saharan Africa: A Case of Uganda”, ISBN-13: 978-1607413707, 2009 Nova Science Publishers, Inc.

Mukwaya P.I, Lwasa S., Sengendo H., 2007, Urban Agriculture for Sustainable Livelihoods in Uganda, Chapter in the Uganda Population Report 2007, Population Secretariat, Entebbe

Sengendo, H. and Lwasa, S. 2004. Book Chapter, Maps and Communication; GIS as a tool for communication of spatial information, in Africa Communication Challenges in the 21st Century, pp 51-64, 2004, Makerere University Press, Kampala.

Lwasa S., Book Chapter, Geo-Information applications in Human Geography, forthcoming tertiary institutions text book, fall 2009

Lwasa S, Paul Mukwaya, Hannington Sengendo, Book Chapter, Regional Development and Planning in Uganda, forthcoming tertiary institutions text book, fall 2009

Courses and Certificates

International Program on Development Evaluation Training, Carleton University, Ottawa, June 2006

International Course in Integrated Land Use Planning for Rural Development, DSE Zschotau, April 2001 – May 2001.

Certificate: Course in Research Ethics, Makerere Institute of Social Research, February 1997

GIS and Remote Sensing Applications in Natural Resource Management and Physical Planning, International Institute for Geo-Information and Earth Observation, August – September 2003

Community Outreach

Convener and scientific chair of AfricaGIS 2009 an international conference on “GeoInformation and Sustainable Development in Africa: facing the challenges of global change” held between 26th and 30th October 2009, Commonwealth Resort Munyonyo, Kampala Uganda

Convener of two sessions in a global conference dubbed “Open Science Meeting” at Bonn in April 2009 at United Nations University at Bonn Campus. Sessions are; Adaptation and resilience of African cities to climate change; and urbanization and global environment change in Africa

Participated in various activities of formulating spatial plans for town councils and municipalities between 2000 and 2005. These include; Mubende Town Council, Kira Town Council and Bombo Town Council

Have led a community-led Action Research project for three years since 2006 that sought to ease poverty and reduce environmental burdens in a poor community of Kampala. Through this, have been able to ignite scalable innovation among the community through a newsletter,

utilization of various communication channels and continuously collaborating with community members to evaluate technologies for waste management

Special skills

Poses research skills with eleven years experience in urban development issues, poverty, housing, urban environment and natural resource management for policy development in Uganda. Have also participated in three national research projects as principal researcher in addition to managing research teams and assistants. Have good practical knowledge of monitoring and evaluation methodologies including participatory development evaluation, outcome mapping, results-based monitoring and evaluation directly applying these skills to environment and natural resource management for sustainability in national contexts. Possess the state of art techniques in earth observation and geospatial analysis that can support policy formulation and translation into action. I have a strong ethical conduct , respect for timelines, time management and ability to manage multiple tasks. I have also supervised and mentored several people in fields of research, development evaluation and translation of ideas and plans into action in order to deal with environment and development challenges. I have high ability to adapt to new environments, have extensive travel experience with very minimal disruption of tasks. I have initiated and sustained research teams. I have prolific organizational and leadership skills having chaired an international conference and organized several sessions around the world

Membership to Professional Societies

- Editorial Review Board Member of International Journal of Applied Geographical Research
- Editorial Review Board Member of African Geographical Review
- Life Member of the International Development Evaluation Association
- Member of African Evaluation Association
- Member of the Global Spatial Data Infrastructure Association (GSDI)
- Member of International Association for People-Environment Studies (IAPS)
- Board Member of the EIS Africa a Network for the Cooperative Management of Environmental Information in Africa
- Member of the Population Environment Research Network (PERN)
- Uganda Evaluation Association
- Member of Uganda Association of Environmental Impact Assessment

- Member of the Uganda Institute of Physical Planners
- Member of the African Association of Remote Sensing of the Environment

Referees

1. Associate Professor Hannington Sengendo
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2. Associate Professor C. P. K. Basalirwa
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3. Professor Moses M. Tenywa
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