

Curriculum Vitae: Jonathan Rawlins

Nationality	South African
Education	<p>MSc. Water Science, Policy and Management (with distinction) University of Oxford (2016-2017) United Kingdom</p> <p>MSc. Environmental Economics (research dissertation) Rhodes University (2015-2016) South Africa</p> <p>BSc (Hons). Environmental Water Management (with distinction) Rhodes University (2014) South Africa</p> <p>BSc. Majors: Environmental Science, Economics and Geography (with distinction) Rhodes University (2011-2013) South Africa</p>
Languages	English (fluent), Afrikaans (working proficiency)
Awards and Achievements	Environmental Change Institute Sustainability Leadership Certificate (2017); UK Commonwealth Scholarship: University of Oxford (2016/2017); CSIR and SA Water Research Commission MSc Scholarship (2015/2016); Rhodes-Investec Top 100 Students - General Excellence (2015); Rhodes University Academic Honours (2014 & 2015); VS Forbes Prize - Best Honours Research Project (2015); Top Environmental Water Management (BSc.H) Graduate (2014); Kendall Scholarship – 2nd Top Rhodes University Graduate 2013 (2014); Prestigious Henderson Academic Scholarship (2014); RL Threlfell Prize - Top Economics Undergraduate (2014); JVL Rennie Prize - Top Geography Undergraduate (2014); Top Environmental Science Undergraduate (2013); Dean’s List for Academic Merit (2011-2013); Golden Key International Honour Society (2011-2013); Founders Hall Sportsman of the Year (2012); Rhodes University 1st XV Rugby (Captain ‘14/’15) (2011-2015); Rhodes University 1st XI Cricket (2011 & 2015)
Professional Affiliations and Memberships	<ul style="list-style-type: none"> • Occasional Reviewer for Journal of Sustainable Cities and Societies • Oxford Water Network • International Water Association • South African Young Water Professionals • Water Institute of Southern Africa
Employment Record	
September 2017 - present	Junior Technical Advisor OneWorld Sustainable Investments Cape Town, South Africa
Feb – May 2017	Lead Consultant The Student Consultancy University of Oxford United Kingdom
2015 - 2016	Student Tutor and Sports Coach St Andrew’s College Grahamstown, South Africa
2014	Academic Tutor and Practical Demonstrator Rhodes University Grahamstown, South Africa.

Jan 2013	Intern Environmental Resources Management (ERM) Cape Town, South Africa
2012	College House Sub-Warden Rhodes University Grahamstown, South Africa
Jun – Dec 2010	Field Guide and Game Ranger Machampane Wilderness Camp Limpopo Transfrontier Park, Mozambique

Relevant professional experience

April 2018 – present	<p>Climate Change Hazard, Vulnerability and Risk Assessment Study for the City of Cape Town French Development Agency (AFD) / City of Cape Town</p> <p>Project Coordinator, Technical Advisor and Research Analyst</p> <p>Currently undertaking desktop research, data analysis, stakeholder engagement, GIS analysis and support, overall project management and coordination. The project is aimed at conducting a detailed spatial assessment of current and future climate related hazards and risks for the City of Cape Town. Both social vulnerability and economic asset vulnerability is being assessed to lay the platform for an economic risk assessment. This requires a detailed assessment of climate information for adaptation and policy development to inform an adaptation and investment options manual.</p>
February 2018 – present	<p>Climate Change Risk and Vulnerability Assessment in Luapula, Muchinga, Northern and Western Provinces. Zambian Ministry of National Development Planning / World Bank</p> <p>Project Coordinator, Technical Advisor and Research Analyst</p> <p>Currently undertaking desktop research, data analysis, stakeholder engagement, workshop facilitation, overall project management and coordination. The project is aimed at understanding, documenting and mapping relative vulnerabilities of local economies, environments and assets to predicted changes in climate. This includes the determination of climate-resilient development options and pathways that focus on investment options for climate-resilient infrastructure.</p>
January 2018 – present	<p>Developing Models and Pathways for a Low-carbon Economy and Climate-resilient Society Department of Planning, Monitoring & Evaluation, Government of South Africa; in partnership with Sustainable Energy Africa (SEA)</p> <p>Scenarios Modeller and Technical Advisor</p> <p>Modelled numerous development scenarios using the International Futures Model for Global Forecasting. The models focused on hypothetical development pathways specific to low-carbon development priorities and improving climate change resilience, modelled scenarios include water, energy, agriculture, employment and other socio-economic indicators. The project will assist in giving effect to the proposals contained in the Chapter Five of South Africa's National Development Plan. The focus is on facilitated consensus-building processes which will be underpinned and backed up by conversation/demand driven information/broad research and scenarios, as this evolves through the social partner dialogues.</p>
September 2017 – January 2018	<p>Landscape Vulnerability Risk Assessment Baseline Zambian National Climate Change Secretariat (NCCS) / World Bank</p> <p>Project Coordinator, Technical Advisor and Research Analyst</p> <p>Conducted desktop research, data analysis, in depth stakeholder engagement, workshop facilitation, GIS support and overall project management and coordination. The project aimed to strengthen the adaptive capacity of rural communities to better respond to existing climate variability and the longer-term impacts of climate change in</p>

the Zambian Luapula, Northern and Muchinga Provinces. In association with Habitat INFO, OneWorld conducted a Risk and Vulnerability (R&V) baseline assessment that considers exposure, sensitivity and adaptive capacity dimensions. This model is developed around key water resource and agricultural vulnerabilities to provide administrative district level vulnerability hotspots. These outputs feed into the development of the decision-support tool, capacity building and priority adaption recommendations.

Landscape Vulnerability Decision Support Tool
Zambian National Climate Change Secretariat (NCCS) / World Bank
Project Coordinator, Technical Advisor and Research Analyst

Conducted desktop research, data analysis, in depth stakeholder engagement, workshop facilitation and overall project management and coordination. The project aims to strengthen the adaptive capacity of rural communities to better respond to existing climate variability and the longer-term impacts of climate change in the Zambian Luapula, Northern and Muchinga Provinces. OneWorld developed a decision support tool for policy-makers and planners to assist with landscape level investments to decrease climate change vulnerability, with a particular focus on sustainable water resource management. Building off of the R&V baseline assessment, this project involves identifying priority policy and adaption options to reduce climate vulnerability, as well as strengthening the capacity of local and national level development planners to respond to climate change risks.

September – December 2017	ZAMCOM Water Law Equivalence Assessment ENSAfrica / Zambezi Watercourse Commission (ZAMCOM) Research Analyst Conducted data analysis and review and desktop research related to water resource management and climate change laws and policies of riparian countries in the Zambezi River Basin (ZRB). To ensure equitable, fair and sustainable use of ZRB water resources, ZAMCOM requires best practice guidelines for achieving a harmonisation of the policies, legislation and agreements between the eight riparian countries. The project includes formulation of a model to assess the equivalence of key relevant national legislation, a legislation gap analysis and an options paper recommending potential measures for ZAMCOM.
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Selected Publications and Research Papers

Forthcoming	Rawlins, J. 2018. The Political Economy of Water Reallocation: Insights from The Cape Town Water Crisis. <i>Water Science Management and Policy</i> .
Forthcoming	Rawlins, J., Petrie, B., Gerhard, M. and Filipova, A. 2018. Towards Cooperative Transboundary Environmental Management in SADC: Politics and Harmonisation. World Water Week 2018, Stockholm, Sweden.
2018	Rawlins, J. De Lange, W. and Fraser, G. 2018. An ecosystem service value chain analysis framework: a conceptual paper. <i>Ecological Economics</i> , 147:84-95.
2018	Petrie, B. Rawlins, J. Tsilik, P. Chapman, A. Kalaba, J. 2018. <i>Landscape Vulnerability Decision Support Framework</i> . Transforming Landscapes for Resilience and Development in Northern and Southern Zambia (TRALARD-Zam). OneWorld Sustainable Investments. Cape Town, South Africa.
2017	Rawlins, J. and Garrick, D. 2017. <i>The Political Economy of Water Reallocation: A case study of the Berg Water Management Area, South Africa</i> . MSc Thesis: School of Geography and the Environment, The University of Oxford, United Kingdom.
2015	Rawlins, J. De Lange, W. and Fraser, G. 2015. <i>Exploring the suitability of causal loop diagrams to assess the value chains of aquatic ecosystem services: a case study of the Baviaanskloof, South Africa</i> . The 8 th ESP World Conference, Stellenbosch, South Africa.

2014 Rawlins, J. 2014. *An investigation of the hydro-sediment dynamics of a tidal meander complex: Kariega Estuary, Eastern Cape, South Africa*. Society of South African Geographers 10th Biennial Conference, East London, South Africa.

Referees

Belynda Petrie	OneWorld Sustainable Investments, Cape Town, South Africa.	+27218182913 belynda@oneworldgroup.co.za
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