



Katie  
Herold

## PERSONAL DETAILS

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Date of Birth: 9 December 1986  
Languages: English (Excellent), Afrikaans  
(Good), isiXhosa (Fair)  
Years Experience: 9 years  
Countries worked in: South Africa

## CONTACT INFO

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## ACADEMIC BACKGROUND

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- Masters of Commerce in Economics by dissertation only, University of Cape Town, South Africa, 2011
- Bachelor of Commerce Honours in Economics (Distinction), Rhodes University, South Africa, 2009
- Bachelor of Commerce in Politics, Philosophy and Economics (BCom PPE), University of Cape Town, South Africa, 2008

## FIELD OF SPECIALISATION

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Interested in environmental and agricultural economics; water supply costing and the valuation of environmental ecosystem services and urban systems and development and municipal finance.

## WORK EXPERIENCE

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### Feb 14 – present

RB Africa, East London, South Africa  
Freelance consultant

### Jan 11 – Jan 14

PDG, Cape Town, South Africa  
Consultant

## KEY PROJECTS

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**2019 Financial mechanisms and models towards economic water resilience in the Western Cape, WCDEDT:**

Literature review on hybrid centralised-decentralised water supply systems, exploring off-grid options and how this impacts municipalities

**2018 Solid Waste Institutional Model, SALGA:** Conducted interviews across municipalities to understand the waste management functions, institutional structure and relationship between cost and prices charged.

**2018 Landfill Disposal Tax Study, DEA:** Generated waste baseline based identifying waste streams and volumes using secondary data in order to understand waste flows and context in South Africa. The study also required an investigation into current waste tariffs.

**2016 Councillor Induction Material, SALGA:** Updated the Solid Waste Services Authority Guide and put together a detailed sketch for an educational wall chart showing the waste hierarchy, value chain and waste process flow.

**2014 Western Cape Mitigation Scenarios, WC DEADP:** Study investigated mitigation measures for the energy sector in the Western Cape. Assisted specifically on the industry sector energy balance and the mitigation analysis thereof.

**2012/13 Greenhouse Gas Mitigation Potential, DEA:** Part of a team which projected greenhouse gas emissions in AFOLU sector (Agricultural, Forestry and Other Land Use) as an input to an analysis of South Africa's Greenhouse Gas Mitigation Potential. Assisted in the assessment of the socio-economic impact of all mitigation options using Conningarth's Impact and Surplus model and a Multi Criteria Decision Analysis tool developed by PDG.

**2012 Solid Waste Tariff Model, Department on Environmental Affairs:** Assisted in the revision of the Municipal Solid Waste Tariff Strategy; updated the tariff model to assist municipalities in setting tariffs; piloted the model and provided training to all municipalities country-wide.

**2012 Windhoek Clean Development Mechanism, Envitech:** Reviewed and developed a project finance model which tested the financial viability of Landfill Gas to Energy in Windhoek.

**2017 Financial Sustainability of Utility Services, City of Cape Town:** Involved in creating a financial model for the Solid Waste services as part of the Financial Sustainability of Utility Services for the City of Cape Town. The model projected the tariff increases necessary to cover the City's solid waste management functions expenditure over 20 years.

**2015 Mossel Bay Growth Options Study:** Investigated impact of spatial growth options on municipal financial sustainability for Mossel Bay over a 20 year horizon. The project also analysed the impact growth patterns has on provincial services such as education and healthcare in addition to the impact it has on transport.

**2014 Gauteng Infrastructure Framework:** Part of a team developing the Gauteng Integrated Infrastructure Framework. Focused specifically on the financial modelling of the municipal services for the three metropolitans and two district municipalities within Gauteng.

**2013 Municipal Financial Sustainability of Current Spatial Growth Patterns:** Part of a team which analysed the impact of spatial growth on municipal sustainability. The project provided a financial argument to support the spatial principles of compaction and densification using a 10 year projection of municipal capital and operating costs for Western Cape municipalities.

**2013 Urban Landmark Township Economics, Urban Landmark:** Researched the nature and structure of township economies and related non-residential property markets.

**2012 Violence and Crime Prevention, GIZ:** Identified the availability of national and provincial level grants and programmes suitable for local municipalities' community safety/crime and violence prevention programmes.

**2012 Local Government Fiscal Framework:** Provided support to a team which undertook the analysis and reporting on the state of the local government fiscal framework for presentation at the FFC public hearings.

**2012 Limpopo M&E Framework, Limpopo Office of the Premier:** Part of a team which provided technical assistance to support the implementation of the Limpopo M&E Framework and development of the Evaluation Plan.

**2013 Assessment of Government Evaluations, DPME:** Part of the team of assessors who evaluated government evaluations using an Assessment Tool developed by PDG and based on the DPME Standards for Evaluation in Government.

**2011 Municipal Capacity Assessment, Municipal Demarcation Board:** Contributed to the qualitative municipal assessments which assessed the effectiveness of the current institutional arrangements across certain technical municipal functions and reviewed the capacity of local and district municipalities.