VirtualStudyTour:

GREEN SMEs & URBAN ADAPTATION

CONTRIBUTOR BIOGRAPHIES

[Due to the unpredictability of the global landscape at this time, speakers may change without notice]

Saul Roux is Head of Environmental Strategy Implementation in the City of Cape Town's Environmental Management Department, where he leads and coordinates the implementation of the City's Environmental Strategy. This includes coordinating a variety of tools, such as the Mayor's Portfolio programme and the City's green procurement programme, aimed at mainstreaming and supporting implementation of the Environmental Strategy. Saul holds a Ph.D. in Environmental and Geographical Sciences (University of Cape Town), Master of Environment - Biodiversity and Conservation (University of Melbourne), and LLB (Stellenbosch University). His PhD research was undertaken as part of the Mistra Urban Futures - Knowledge Transfer Programme, a three-year research partnership between the City of Cape Town and the African Centre for Cities. His focus area in the programme was Energy Governance. Prior to joining the City of Cape Town, Saul worked for the Centre for Environmental Rights as a Science and Policy Specialist.

Rest Kanju is the founder and Chair of Indalo Inclusive South Africa NPC, where he currently serves as Executive Director and Head of Operations. His passion is in inclusive and responsible business with a particular interest in the Tourism and Green economies. In his professional career of over 20 years and having started as a Community Liaison Officer for Senalala Estates and Nature Reserve where he established his first organization, BUSH Resources that was responsible for setting up of various Youth Eco-Clubs in the Bushbuckridge area, he advanced to hold numerous senior management positions within various organizations including the W.K. Kellogg Foundation, the International Union for the Conservation of Nature (IUCN) and International Labor Organisation (ILO). Rest has a Bachelor of Social Sciences (UCT) and training in the field of Environmental and Geographical Science, and completed modules in the Masters Programme in Entrepreneurship and New Ventures (Wits). He holds additional training and certificates in Environmental Law (Wits), Community Based Natural Resources Management (Rhodes University), and Sustainability Management and Mutual Gains Approaches negotiation techniques (Sustainability Challenge Foundation, Netherlands). Rest is recognised as a thought leader in the field of social and green entrepreneurship and serves various government committees including: Adaptive Capacity Facility Project Advisory Committee of the Department of Forestry, Fisheries and the Environment (DFFE), Steering Committee member of the Ecosystem Development for Small Enterprises (EDSE) of the European Commission funded Department of Small Business Development (DBSD) and a member of the Advisory Committee and Business Development Services Tasks Team of the Services SETA 's Enterprise and Cooperatives Development Institute (ECDI).

Nick Fordyce is the Senior Communications Officer and Publications Manager at GreenCape. He is a passionate environmentalist with a commitment to a career that pursues a high impact in the fields of sustainability, conservation and the green and circular economies. He shares his passion for the planet by working, on a consulting basis, as an expert bird/nature tour leader and in his “spare time” he is also the Chairperson of the Friends of the Liesbeek.

GreenCape is a non-profit organisation that drives the widespread adoption of economically viable green economy solutions from South Africa. The team works with businesses, investors, academia and government to unlock the investment and employment potential of green technologies and services, and to support a transition to a resilient green economy. GreenCape’s vision is to create a thriving and prosperous Africa using green economy principles. Their aim is to be globally relevant in driving the uptake of green economy infrastructure solutions in the developing world context.

Karina Peńa is the CEO and co-founder of Field Factors and also their Design and Research Director. She leads the Filed Factors team in delivering circular water systems at building, neighbourhood or urban scale. From their base in Delft, they help cities in The Netherlands & abroad become greener, cooler and climate resilient. Over the last 12 years, she’s worked with private and public clients on making cities climate resilient. With a global background in architecture and design through 2005 – 2010, Karina reached her focus on urban planning and design and researching and implementing green infrastructures in urban areas. In 2010, based on her passion for design and entrepreneurship, she founded Maka Green in 2010, a media platform empowering people to make of their cities better places to live. Prior to founding Field Factors, she was the Project Lead at Urban Factory with the Amsterdam University of Applied Sciences, focusing on 3D printing functional products with recycled materials. She describes herself as “a landscape architect and entrepreneur” passionate about delivering blue-green systems that efficiently solve urban water challenges. She’s most interested in connecting about innovation, water and climate resilience.

THE compost KITCHEN

The Compost Kitchen tackles food security in South Africa while solving a waste problem. Organic waste produces methane in the landfill and can pollute groundwater when dumped in the landfill. In line with the ever-growing movement towards improved soil management and regenerative farming techniques, The Compost Kitchen has a dream to divert all South Africa's organic waste from the landfill so that it can be properly composted to become a valuable soil conditioner. By doing so, they demonstrate a more fuel-efficient way of collecting waste plus educating that waste has value so that other entrepreneurs can be inspired. This boils down to their core service - collecting organic kitchen waste and returning it to once their earthworms have transformed it into ‘vermicompost’. Vermicompost is premium compost made by earthworms (which is the way nature intended) that provides biology in addition to nutrients – everything a plant could possibly need. By adding seeds and water to this basic ingredient supplied directly to homes by The Compost Kitchen, homegrown food at scale becomes possible which can change the whole food system!

Kudoti works across the value chain to build a truly circular economy. This is done by working with companies to improve current supply chains for waste materials, from source to end point, as well as build new supply chains to ensure the continuous flow of materials, from waste to resource. Their method aims to make circularity in clients' supply chains possible and to achieve traceability and sponsorship. With competencies to ideate and design bespoke waste solutions and projects targeted to specific outcomes, Kudoti works with companies and organisations across the globe to solve waste-relate problems. Their expertise in designing and implementing solutions spans a wide range of areas, including social impact projects and solutions for hard-to-recycle materials.

Hyena Energy is making fuel cells possible through hydrogen generation wherever a client may need it. They specialise in hydrogen-fueled electrical power applications, mainly as standalone systems of small to medium size. The focus lies on electrical power sources comprising integrated hydrogen generators and fuel cells. Fueled by LPG to produce electricity in the range of 1 to 20 kWe, Hyena's "power packs" are optimised for the off-grid/poor-grid market segments.

Go-Lectric is a licensed importer of two-wheeler vehicles who are passionate about developing the electric vehicle industry in South Africa. Because electric powered motorbikes have nearly zero carbon emissions and their silence contributes to zero noise pollution, they bring a sustainable, affordable and practical form of transport for South Africa's cities. One of Go-Lectric's aims is to assist businesses in adopting electric motorbikes, reducing their operating costs whilst helping companies in their commitment to going green. By promoting the adoption of electric motorbike transport, Go-Lecric achieves multiple environmental- and social-impact goals:

- To develop a cost-efficient mode of transport for South Africa, based on a model that has seen great success in Asia.
- To increase access to private vehicle ownership to South Africans.
- To provide a "greener" method of travelling around urban environments creating a cleaner environment.
- To assist in reducing the (often crippling) congestion in urban areas.

Nubrix is a company that aims to revolutionise the way we build. We want to introduce you to a new world. A world where we use waste differently, think unconventionally and build sustainably. Our product is a brick made from waste paper that is fire resistant and strong with high insulation properties.

Zerho is all about raising awareness on the huge and growing need for safe sanitation; which the Zerho Toilet can contribute towards in a uniquely sustainable way. The Zerho Waterles Toilet is developed in South Africa, and patented during 2003. In 2005 the Zerho was granted an Innovation Design Award by the CSIR (South African Centre for

Scientific and Industrial Research). It is an environmentally friendly waste disposal device that is suitable for urban and rural areas as an alternative to waterborne sanitation. It is a compact (1,6m X0,6m), sealed, self-contained unit that effectively isolates the faeces from man, animals, insects, nature and weather, preventing the spread of most harmful organisms and making it child-safe. The dome-shaped cover ensures airflow through the device, drying the contents and disposing of odours. No chemicals or additives are required and there is no direct contact with the contents of the basket.

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