

11TH CESA YOUNG PROFESSIONALS SUSTAINABILITY IMBIZO 2023

15 - 16 AUGUST
ACCOLADES BOUTIQUE HOTEL



Day 1 Session 3: Climate Change Prevention and mitigation strategies

Facilitator: Laurie Sloan





Dr James Cullis

Water Resources Engineer, and Adaptation Specialist, at Zutari

Dr Cullis is a water resources engineer and environmental scientist with nearly 20 years of experience working on water resource and climate change related studies across Africa UK, US, Australia and even Antarctica.

He is a Technical Director at Zutari in the Water Resource group based in Cape Town and is the Expertise Leader for Sustainability.



Dr Cullis has worked on a range of water resources and climate change related studies in South Africa and across Africa as well as providing technical advice on water resilience and drought risk management in Australia and New Zealand.

His areas of interest include hydrology and water resources planning, flood risk management, and urban water resilience, hydro-economics, climate change, environmental water requirements, and the impact of invasive alien plants.



Dr Cullis has a BSc in Civil Engineering from the University of Cape Town, an MA in Politics Philosophy and Economics and an MSc in Environmental Change and Management both from Oxford University in the UK.

He obtained his PhD in Civil and Environmental Engineering from the University of Colorado at Boulder in the USA in 2011.



Jacqueline Sampah Adjei

Jacqueline is an Environment & Sanitary Engineering Specialist at Constromart Africa in Accra, Ghana.

Jacqueline holds an MSc in Water Sanitation and Health Engineering from the University of Leeds and a BSc in Environmental Science from KNUST University in Ghana.

Jacqueline is a member of the International Water Association (IWA) and the American Society of Civil Engineers (ASCE), working on key Multilateral Development Banks funded projects as an Environmental Safeguard Officer.



Jacqueline is passionate about WASH (Water Sanitation and Hygiene) and sustainability and aims to create sustainable, affordable, and climate-resilient solutions for improving the well-being of low-income communities.

Her paper is entitled "Climate Change Resilience and Financing in WaSH Infrastructure in Ghana: A Comprehensive Review"



Pretty Celiwe Sibiya

Pretty is a proactive and adaptable graduate engineer specializing in Transport and Infrastructure. She holds a BSc degree in Civil Engineering from the University of KwaZulu-Natal.

Pretty is currently employed in the Geometrics team at WSP South Africa. Pretty is passionate about making a lasting impact in the civil engineering field.



Pretty serves as the Secretary on CESA YPF Gauteng South and eagerly anticipates leveraging her skills and knowledge to address complex engineering challenges while continuing to learn and grow in her rewarding career.

Her paper is entitled “Innovative Solutions to defend South African road infrastructures against the effects of Climate Change.”