



WASTE and CLIMATE CHANGE

Building a sustainable future for South Africa

Presented by Prof Cristina Trois

11 October 2022 | 17h30 vir 18h00 | ONLINE or IN PERSON

Venue: Unite Building, 75th Anniversary Avenue, Howard College Campus, UKZN

Click here for directions

“It is estimated that the waste sector in South Africa contributes 4.4% to the total greenhouse gas emissions (NIR, 2017). However, the nexus of waste and climate change is not explicitly quantified nor addressed in current policies at national and or at local levels. The SARChI Chair Waste and Climate Change at UKZN has been established by the Department of Science and Innovation, the NRF and the RDI Waste Roadmap to provide evidence based research to policy makers in matters of mitigating the impacts that the waste sector has on climate change, as well as developing a climate change resilient waste management infrastructure. This SAAE lecture will present an outlook of the nexus waste and climate change for our country and its implications on the just transition towards a decarbonised and circular economy.

PLEASE NOTE: Please REGISTER to book your seat!

This lecture is open to the public and will be followed by light refreshments (courtesy of the South African Academy of Engineering - SAAE)

For further enquires contact Me Heleen Duffey at office@saae.co.za

Click here to register



Prof Cristina Trois (PrEng FSAAE MIWMSA MWISA CIWM (UK), BSc Eng MSc Eng (Environmental Engineering) PhD (Geo and Environmental Engineering)(Cagliari, Italy)) is full Professor in Environmental Engineering and holds the NRF South African Research Chair in Waste and Climate Change (SARChI) at the University of KwaZulu-Natal. She chairs the joint secretariat for the Southern Africa Region of the UN-IPLA Programme (International Partnership for advancing waste management services of local authorities) and the IWWG (International Waste Working Group).

She has over 20 years of working experience in waste management and has been the principal investigator as well as the project coordinator of many feasibility and R&D waste management/waste minimisation/treatment/design projects with municipalities in South Africa and Africa. Author of over 150 peer-reviewed publications in high-impact journals. She is a CI-rated scientist with the NRF and her main fields of expertise are: Environmental and Geo-Engineering, Waste and Climate Change in Sustainable Cities, Waste and Resources Management, Control, Management and Treatment of landfill emissions, Renewable Energy from waste and Greenhouse gas control from zero waste in Africa and developing countries, Alternative Building Materials. She developed and coordinates the first Master Programme in Waste and Resources Management in South Africa and graduated over 100 postgraduate students.