



## The Worshipful Company of Water Conservators

You are cordially invited to join the Water Conservators' July Webinar

### **Participatory Artificial Intelligence for Mapping in Deprived Areas.**

**Thursday 11th July 2024 6.00pm to 7.15pm**

Presented by Dr Grant Tregonning,  
Research Associate at the Urban Big Data Centre, University of Glasgow



#### **About this Webinar**

IDEAMAPS combines artificial intelligence (AI) analysis of earth observation data with community mapping and engagement to improve how we define and understand areas of deprivation ("slums") in cities. The project integrates multiple public, official, and community-generated datasets to produce granular surface maps of deprived areas across individual cities. Working with collaborators from the pilot cities in Nigeria (Lagos and Kano) and Kenya (Nairobi), the IDEAMAPS project has generated new data and enhanced the capabilities of various stakeholders to understand and address urban poverty, health, and well-being. The result is that community members and decision-makers have an improved, co-produced evidence base, as well as strengthened communication networks based on common understandings and trust. These outcomes will support local stakeholders in their decision-making and enable pro-equity interventions to effectively address current issues on urban planning, slum upgrading and urban health.

Grant will also discuss the recent flood and eviction crises ongoing in Nairobi and how the "slum" modelling community of practice he manages is hoping to relieve some of the pressures faced by residents in Mathare slums.

Learn more about the Water Conservators at <https://www.waterconservators.org/>



## About the Speaker

Dr Grant Tregonning is a geospatial scientist with a particular interest in climate change, sustainability, inequalities and citizen science. He mainly uses participatory urban analytical methods to understand issues associated with urban sustainability and liveability in deprived areas. He is currently situated at the Urban Big Data Centre within the University of Glasgow. Prior to joining Glasgow, Grant was a Research Fellow in Geospatial Data Science at the University of Warwick, and worked on a number of projects including the 'Creating Interfaces', 'Slum Mapping' and 'Data & Displacement' initiatives. Previous to Warwick, Grant was a Visiting Research Fellow at the University of Auckland and completed a PhD in Geospatial Science at Newcastle University. Whilst studying for his Master's at Queen Mary University of London, Grant was a bursary recipient of the WCWC Universities Programme.



## Register For This Webinar

To attend this webinar, you will first need to register via the link below to Eventbrite. Attendance is free, there is no charge to attend. You will then receive a return email from Eventbrite with the details to join the webinar via zoom. You need to keep those details to join the webinar. Any problems contact [rob.casey1@hotmail.com](mailto:rob.casey1@hotmail.com) at least 24 hours before the start of the webinar.

<https://www.eventbrite.co.uk/e/928158255327?aff=odtdtcreator>