

Co-creating transformative climate services for African cities

Nina Käyhkö, Venla Aaltonen, Msilikale Msilanga, Jukka Käyhkö
University of Turku (UTU)
Finland

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@Tanzania_RA
@niinakayhko



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Knowledge
and climate services
from an African observation
and Data research Infrastructure

African cities are increasingly vulnerable to climate change

58%

2050

53%

2040

48%

2030

- Half of African population is expected to be urban by 2035
- Rapid, uncontrolled urbanization
- Weak urban planning and poor infrastructures
- Scarcity of up-to-date risk data and information
- Young, vibrant and increasingly educated youths
- New job opportunities enabled by emerging digital economies

Disruption space between digital data, tech and community engagement

- Mobile tools and digital platforms
- Earth observation and global data
- Internet of Things, automation and GeoAI
- Citizen engagement
- Local knowledge – localized data
- Digital public goods
- Informed decision-making and resilience





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*Socially innovative
climate service solutions*

*Fit-for-purpose digital
climate risk data and
tools*

*Social and cultural
capital to turn
knowledge and skills
into decisions and action*

Climate observations
and data

Contextual
geospatial data

Digital tools and
technologies

Bottom-up actions of
communities

Youth-driven skills
and competences

How can we practice open science of the 21st century so that opportunities around the revolution of open data and digital technologies, community engagement and youths skills-building can be turned into contextually smart, actionable and impactful climate services?

