



Digital Earth AFRICA

Digital Earth Africa uses Earth observations to deliver decision-ready products enabling policy makers, scientists, the private sector and civil society to address social, environmental and economic changes on the continent and develop an ecosystem for innovation across sectors.



Zviko started his career in the financial services sector and served with companies such as Barclays Africa, Deutsche Bank, Johnson Controls and Wells Fargo, working in the United Kingdom, United States of America, Singapore, Slovakia, and South Africa.

Zviko holds a Master's in Financial Management, Bachelors in Business Administration from Drake University.

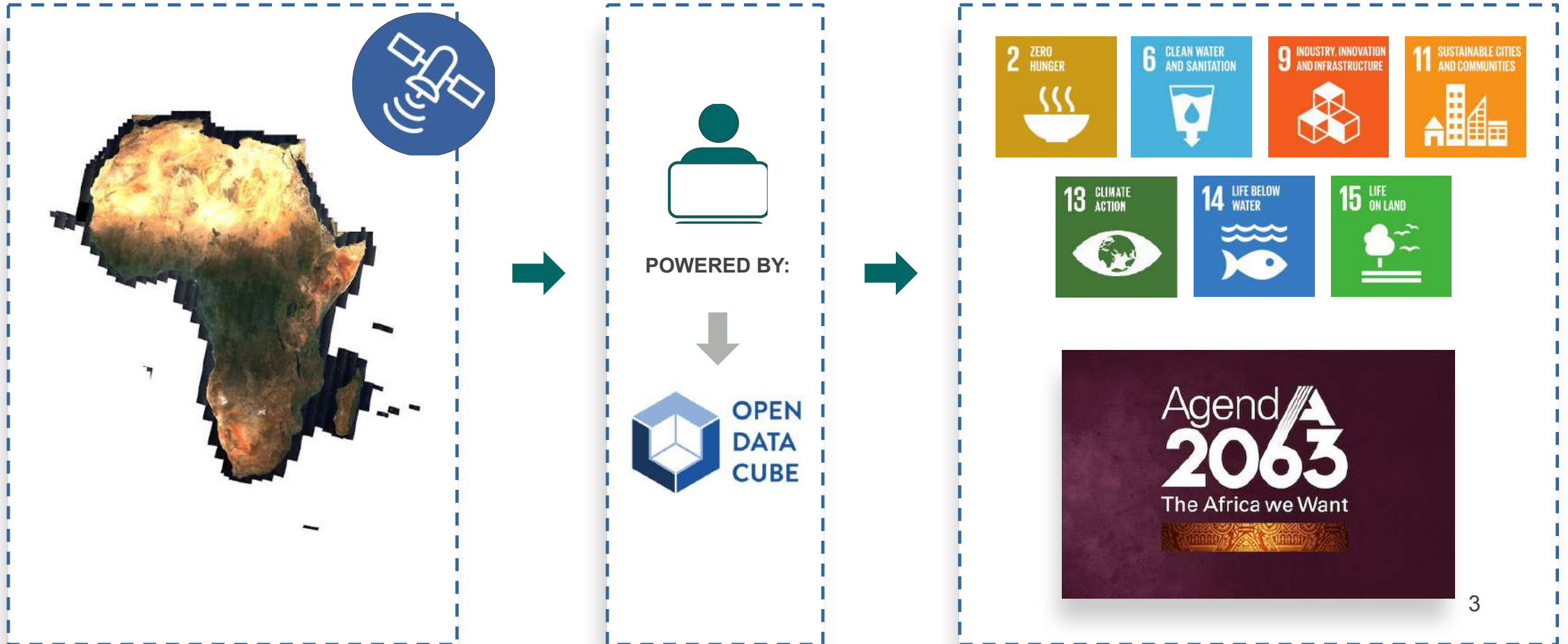
Zviko brings his passion for creating and supporting a sustainable world to his role as Head of Operations and looks forward to expanding the reach of the Digital Earth Africa platform to more countries on the continent.



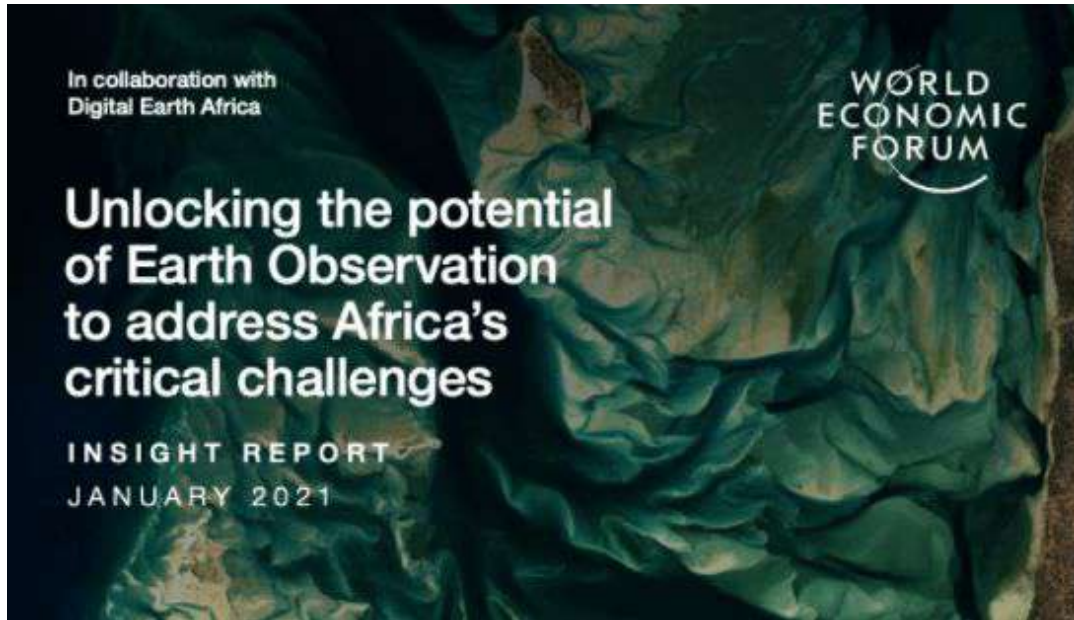
Zviko Mudimu

Head of Operations

Data, decisions, development



Economic Value of Earth Observation for Africa



\$2.3bn

Even under conservative assumptions, the impact of Earth Observation could be higher than **\$2 billion** (USD) per year

Three key areas



\$500 million

Earth Observation industry accelerated growth



\$900 million

Agricultural productivity boost



\$900 million

unregulated gold mining detection and prevention



Marine Observation

\$212 million



Disaster Risk Reduction

\$74 million



Public Health

\$113 million



Renewable Energies

\$27 million



Oil & Gas

\$15 million



Security and Civil Protection

\$96 million

Digital Earth Africa



Today, DE Africa is the world's largest open data cube for accessing and analysing decades of satellite imagery of Africa's lands and seas running on AWS.

African governments, industry and decision makers use the DE Africa to track changes across the continent in unprecedented detail including: mangroves, flooding drought, coastal erosion, water availability and natural resource management.

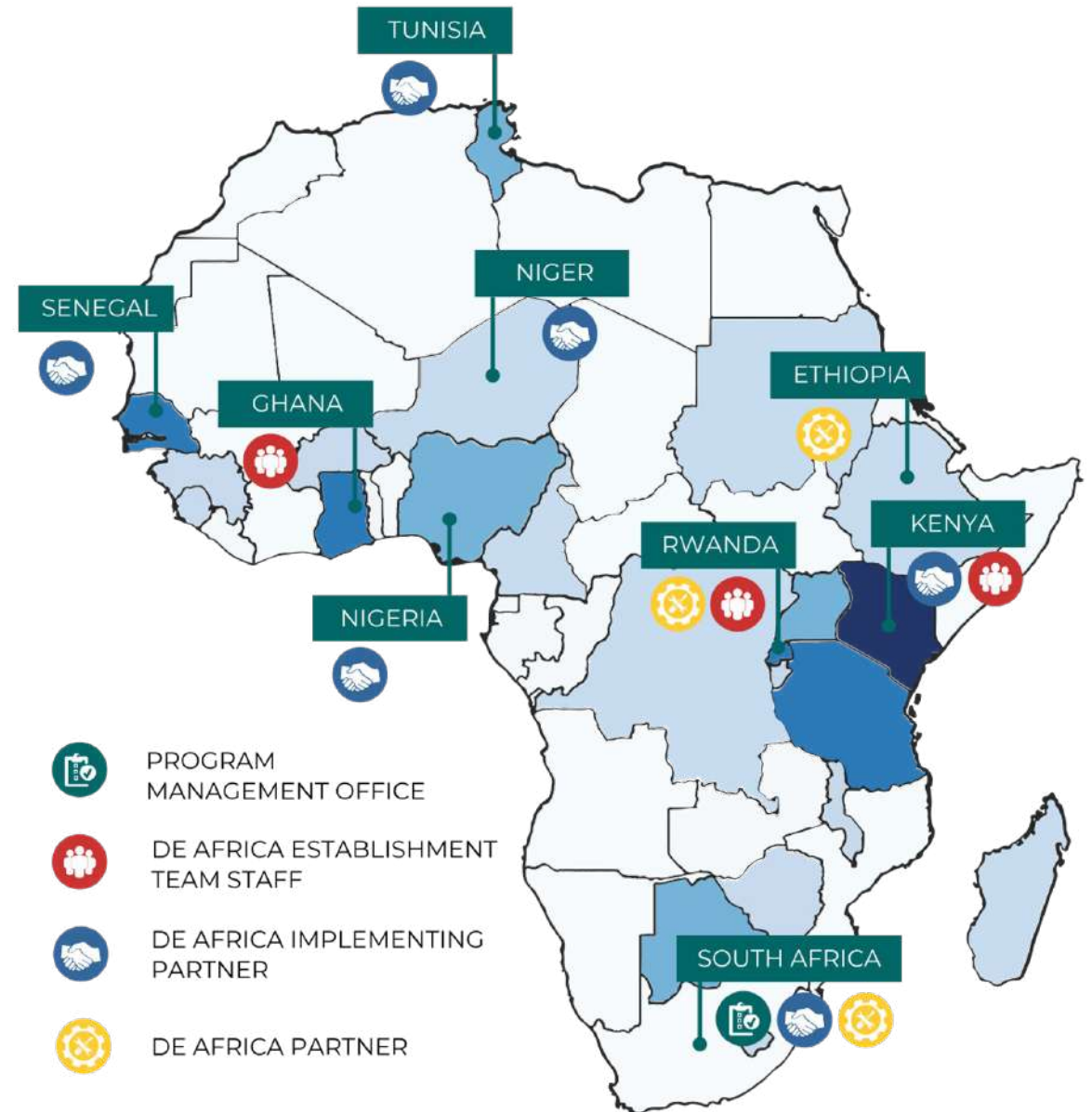


Empowering Country-level Climate Action in Africa

Activating a continent-wide community

Digital Earth Africa is helping provide the data that is required.

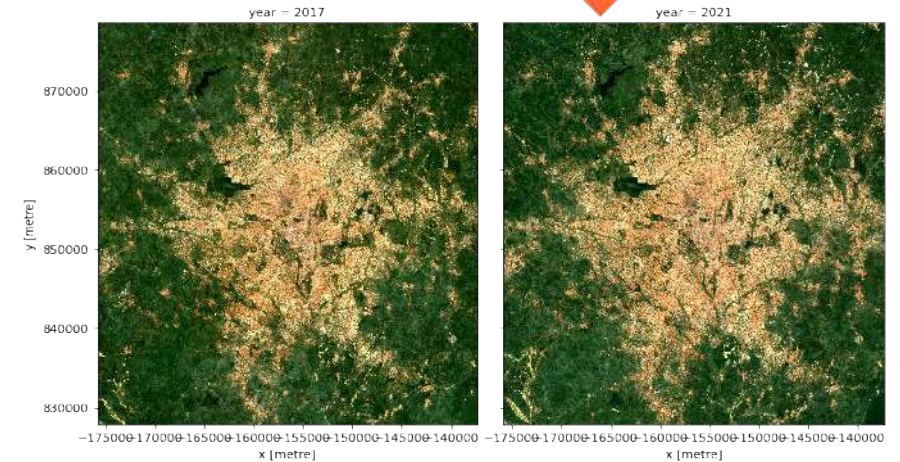
We are now able to deploy this technology for the 54 countries in Africa, so that we leave no one behind.



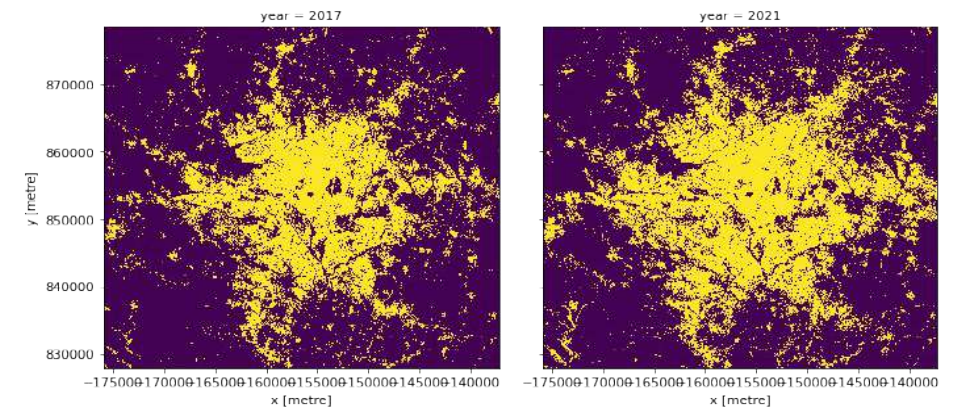
Case Study supporting SDG 11 & SDG 13: Urbanisation in Kumasi, Ghana



- Earth observations indicate that the city expanded by approximately 23% from 493 sq km in 2017 to 641 sq km in 2021
- The methodology could be useful across Africa to identify cities whose population face increased climate risk due to rapid expansion.



True color Sentinel-2 Annual GEOMAD of Kumasi
(2017&2021)



Urbanization trends of Kumasi (2017&2021)

Case Study supporting SDG 13: Community action on Zanzibar's mangroves



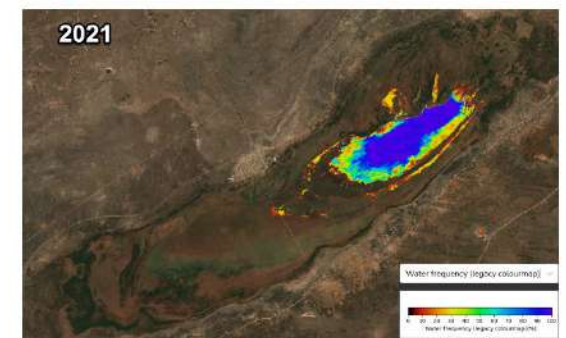
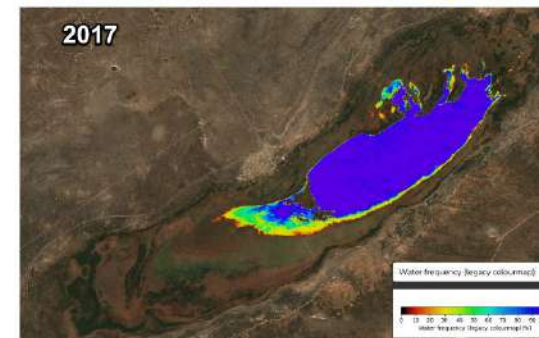
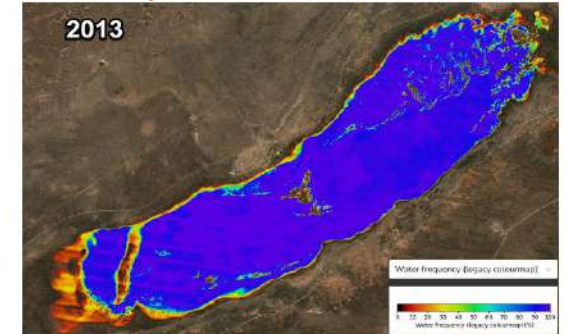
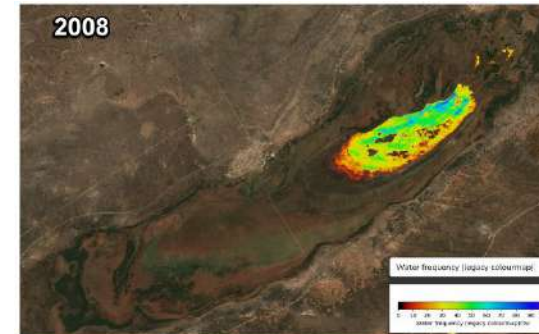
Digital Earth Africa and the Zanzibar researchers using the service to help fight the effects of climate change and protect the island's precious mangrove habitat.

Link: <https://youtu.be/FVmcEaemfmA>

Water Assessment and Monitoring in the Lake Ngami, Lower Okavango Delta

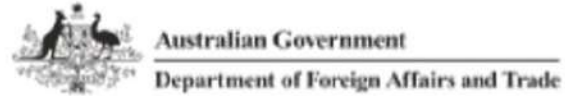


- Lake Ngami is located at the western part of the lower Okavango Delta and an indicator for environmental change and climate variability in the Okavango Basin.
- Water Observation from Space (WOfS) are used to evaluate water variability in Lake Ngami, Botswana from the year 2017 to 2021.
- The results for Lake Ngami indicate the need for an integrated watershed plan that encompasses the Okavango Delta.



Dr. Kelebogile B. Mfundisi is currently working as a Research Scholar in Physical Geography at the University of Botswana Maun Campus, Okavango Research Institute, Maun, Botswana. Dr. Kelebogile can be reached on email: kmfundisi@ub.ac.bw

Digital Earth Africa Partnerships



Other Digital Earth Initiatives



Thank You

Engage with us:

1. Visit our booth and register your interest
2. Attend our live demonstration on Wednesday at 4pm - 6.30pm
3. Email info@digitalearthafrica.org
4. Follow us on:
Twitter: [@DEarthAfrica](https://twitter.com/DEarthAfrica)
LinkedIn: Digital Earth Africa

