

## Land Use and Land Cover mapping for cultural heritage management & monitoring

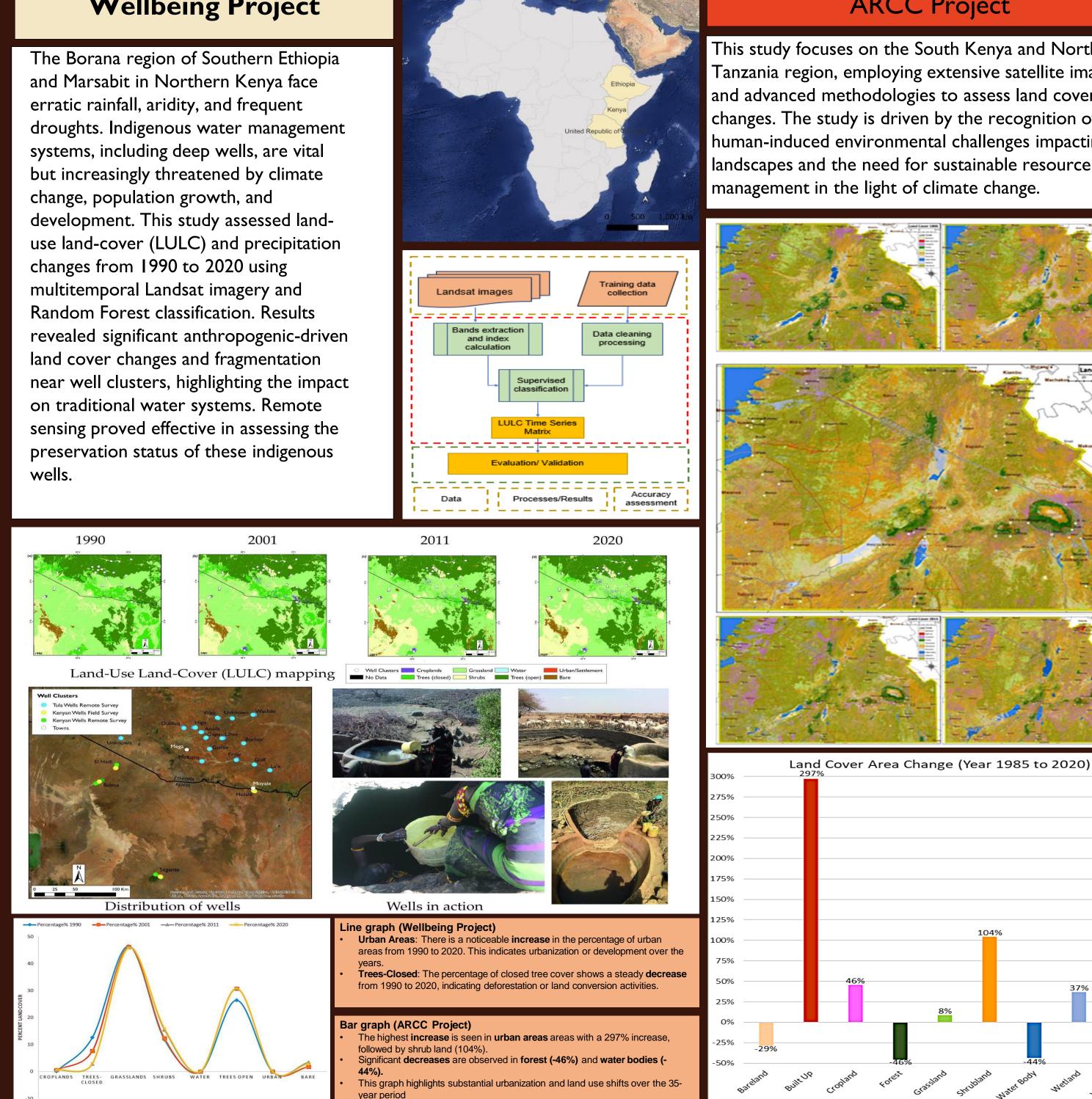
Poster created by **Pamela Ochungo** British Institute in Eastern Africa



Land Use and Land Cover (LULC) analysis is a critical tool for monitoring and preserving heritage sites in Kenya. These sites, which hold immense cultural and historical value, are increasingly threatened by environmental changes and human activities such as urbanization, agriculture, and deforestation. By employing advanced remote sensing techniques, we can effectively track these changes over time, providing essential data for the sustainable management and protection of Africa's rich heritage. This poster highlights key LULC activities undertaken to monitor environmental impacts and human-induced alterations at various heritage sites across the continent.

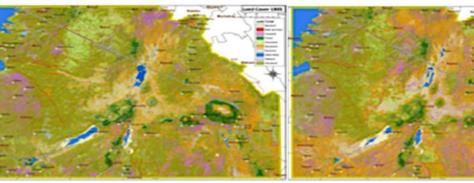
## Wellbeing Project

The Borana region of Southern Ethiopia



## **ARCC** Project

This study focuses on the South Kenya and North Tanzania region, employing extensive satellite imagery and advanced methodologies to assess land cover changes. The study is driven by the recognition of human-induced environmental challenges impacting landscapes and the need for sustainable resource management in the light of climate change.





1. Ochungo, P.; Khalaf, N.; Merlo, S.; Beldados, A.; M'Mbogori, F.N.; Tiki, W.; Lane, P.J. Remote Sensing for Biocultural Heritage Preservation in an African Semi-Arid Region: A Case Study of Indigenous Wells in Northern Kenya and Southern Ethiopia. Remote Sens. 2022, 14, 314. https://doi.org/ 10.3390/rs14020314

2. Peter Mwangi, Pamela Ochungo, Rob Marchant, Rebecca Kariuki, Paul Lane. Adaptation and Resilience in Climate Change Project (ARCC) Land Cover and Land Use Mapping and Change Analysis In South of Kenya and North of Tanzania - Unpublished report.

To explore more of the project, check out our website at maeasam.org Or sign up for our newsletter using this QR code:

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