FIG WORKING WEEK 2023
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Protecting Our World, Conquering New Frontiers

A PROTOTYPE LAND INFORMATION SYSTEM:

CASE STUDY OF NEW TAVETA TOWN IN

KENYA.

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Introduction

- Cadastral surveys started in Kenya in 1903, yet most land records are still in paper form & operated manually.

- The manual /classical cadastre system is insufficient as land records have greatly increased in volume & are still in paper form, making storage, access and retrieval a great challenge.

- LIS technology which has matured in the developed countries, has been proven to be an invaluable tool for better land administration. There is need to develop a modern LIS to address the challenges of the classical cadastre.

Main Objective

To demonstrate and develop a LIS by developing a geo-database that incorporates both spatial and non-spatial attributes of land parcels in the New Taveta Town.
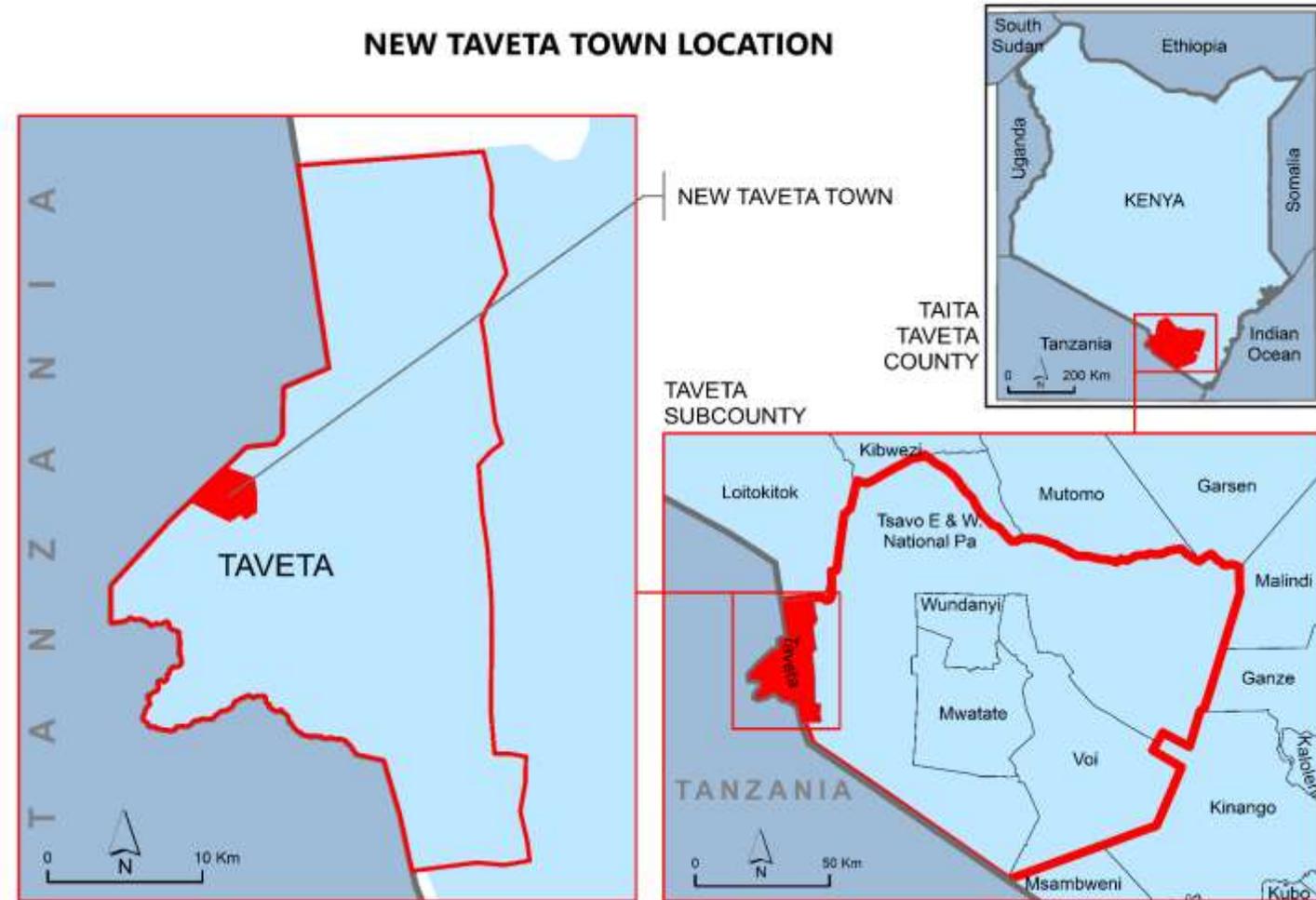
Specific Objectives

1. To compile a cadastral record that is complete, up to date, and reliable.

2. To implement and demonstrate the operation of the database in the study area.

Challenge to digitalization

‣ Resistance to change-Unwillingness to adapt to new circumstances or ways of doing things. The fear factor-fear of the unknown. People fear that they won't be able to understand or use the new technology. Fear of failure or exposure lack of knowledge or job loses. Changes threaten stability.

‣ Cost- the cost of setting up a Land Information System is huge.

Conclusion & Recommendations

‣ Shortcomings of manual record keeping as well as the need for a computerized LIS.

‣ Audits carried out on the system confirms the information needs of various users of the system. The results of the study has shown the importance of developing a computerized LIS.

‣ Inclusion of Data on utilities- power, water & sewerage, internet connections.

‣ Design of a program to link the payment system-LAIFMS to the LIS so that information on payments can be updated in real time.

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