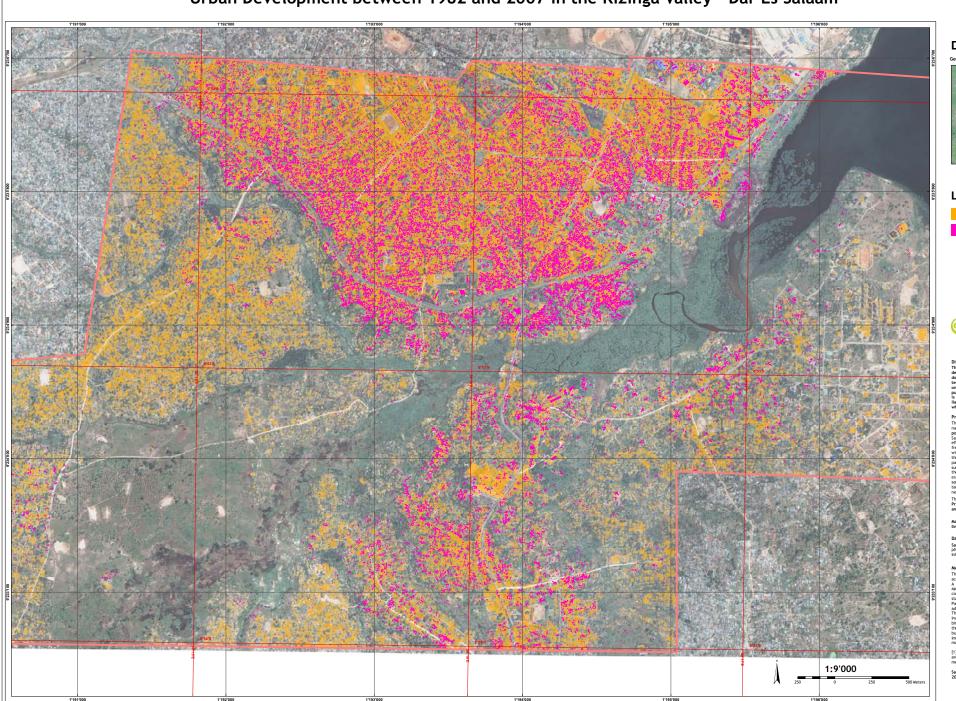
Urban Development between 1982 and 2007 in the Kizinga Valley - Dar Es Salaam



Dar Es Salaam

Geographic Overview



Legend

Built up area 2007

Built up area 1982

Satellite Data: Quickbird Aquisition Date: 25. Feb. 2007 Raster Resolution: 0.6 meters UTM Grid: 1 kilometer interval

UTM Grid: 1 Nationess...

Geographic Crid: 1 minute historial

Finjection: Universal Transverse Mercator (UTM)

Meridian of Digin: 33 degrees 00 minutes E of Greenwich

Listitude of Origin: Equator

Vertical Distum: Mean sea level

Spheroid: WGSS4

Disclaimer
The boundaries (county, state and international), elecominations, and any other information shown on this map do not imply any judgment about the legal status of any on the part of the Government of Southern Sodan. The publisher, the Centre for Development and Environment (DE), not responsible for daims by any third party and assumes no liability for any direct, incidental, or consequential damages whatcover.

Project Information
The map is providing additional information to support the project named Wastewater Friigated agriculture as a mean to alleviate proverty. The case of Dur es Salamu (C), residents of Dur es Salamu use wastewater, which includes industrial and domestic residents are supported to the control of the con

The project is part of the Eastern and Southern Africa Partnership Programme (ESAPP) funded by the Swiss Agency for Development and Cooperation (SDC)

Map authors: Sandra Eckert, Geoprocessing Unit, CDE, University of Bern.

Satellite data used: Digital Globe Quickbird 2 imagery and aerial photography. Aerial photography provided by ITC, Faculty of Geo-Information Science and Earth Observation.

Methodology:

The two balts up layers were derived from biv aerial photography acquired in 1962 and satellite data of Quickbord 2 acquired in 2002. An arisotropic rotation-invariant built-up presence index [1] was applied to delineate urban and non-urban regions. The main cappoints of the trace verificer complete the trace (1] was applied to delineate urban and non-urban regions. The main cappoints of the trace verificer complete the trace (1) was applied to delineate urban trace verification. The parties method to based on image texture and therefore it advantageous for multisemporal image analysis. The reside provide structural information in the urban regions. The reside provide structural information in the urban regions. The reside provide structural information in the urban regions of the provided value that delineates the image into built-up and non built-up areas. The derived information (layer were further manual celliting.)

[1] Pesaresi, M.; Gerhardinger, A.; Kayitakire, F. A robust built-up area presence index by anisotropic rotation-invariant textural measure. IEEE JSTARS 2008, 1, 180-192.

Satellite Image courtesy of Digital Globe, acquired 27. February, 2007.