



PhD Project: Role of Informal Public Transport and BRT System in Reducing Transport poverty, Dar es Salaam, Tanzania.

Dra. Lucy Joseph(IMOB)- PhD student

Dr. An Neven (IMOB)-Supervisor

Prof.dr.Martens Karel(Technion - Israel Institute of Technology, Haifa, Israel)

Prof.dr.Opportuna Kweka (University of Dar es Salaam)

Prof.dr.Wets Geert (IMOB)

Prof.dr.Davy Janssens(IMOB)-Promoter

INCO Conference, 2017.

Concepts of Transport systems

- Informal Public Transport(IPT)
 - Unorganized system
 - Operates without schedules,
 - E.g., minibuses(***daladala***),
 - motorcycles(***Bodaboda***)
 - & tricycles(***Bajaj***)



Informal Public Transport(IPT)



Concepts of Transport systems

- Bus Rapid Transit(BRT) system
- Formal transport
- With schedules
- High capacity buses
- Dedicated lane
- Most organized



Bus Rapid Transit(BRT) system



Bus Rapid Transit(BRT) system



Research Problem

- Public transport in Dar es Salaam is constrained by
 - the poor roads,
 - traffic congestion
 - high transport demand
- Many places are not well connected
- Difficult in commuting from one part to another
- The informal public transport is increasingly used as a means of transport.

Research Problem

- To overcome the existing challenges,
 - Implementation of the BRT system to provide
 - High capacity and affordable public transport.
- However, little is known regarding;
 - The ability of the IPT & BRT in supporting the activity participation of the inhabitants.

OBJECTIVES

- To understand
 - The use of IPT for activity participation
 - Perceptions on the BRT system in supporting activity participation
- To compare travel behavior before and during BRT system?(travel distance, travel time and trip frequencies)

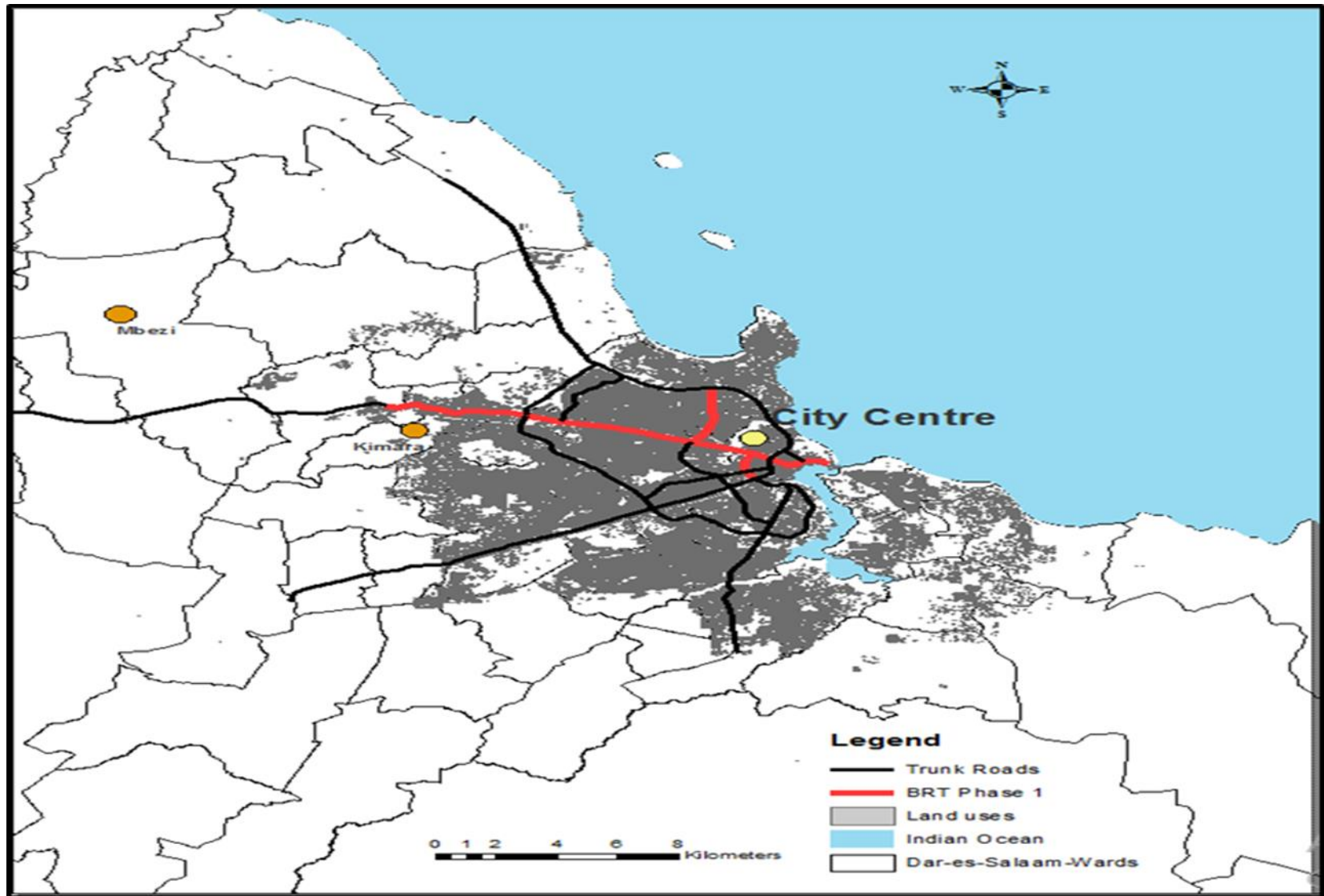
Study Design & Methods

- Mixed approach (Qualitative and Quantitative methods)
- Data collection: 2Phases
 - Prior and during the BRT service

Methods: Data collection tools

- Focus Group Discussions (FGDs),
- Participatory Geographical Information Systems (PGIS)
- Questionnaires (socioeconomic data)
- GPS-based Smartphone application(trip frequencies, trip distance & time)
- Two study zones
 - Proximity to the planned BRT corridor(Kimara-neighborhood)
 - Peri-urban location(Mbezi-neighborhood)

Dar es Salaam city



As one of the ITP students in 2013



Exciting CityTrip, Brussels- European Parliament



End

- Contact: lucyjoany@gmail.com