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

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: 2 Phases
  - 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