



UNIVERSITY OF CAPE TOWN
IYUNIVESITHI YASEKAPA • UNIVERSITEIT VAN KAAPSTAD



UNIVERSITY OF DAR ES SALAAM



UNIVERSITY OF NAIROBI

Overview

ACET (VREF African FUT CoE for Studies in Public and Non-motorised Transport)

Centre for Transport Studies

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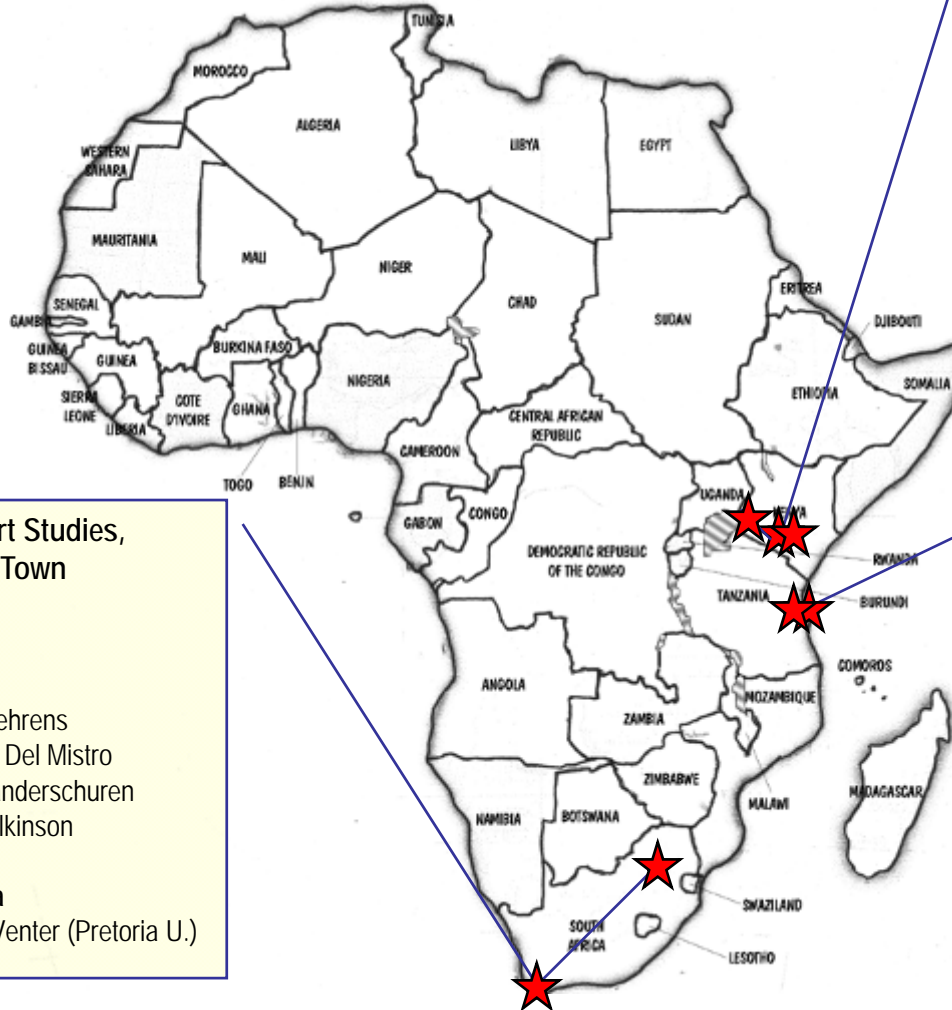
Institute for Development Studies

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KENYA
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Email: wvmitullah@swiftkenya.com

Roger Behrens, 19 May 2008 (15 minutes)

Conference on Future Urban Transport, San Francisco

ACET is the most recent CoE ... established to produce and disseminate knowledge in African cities, and to serve as a hub of research and capacity building ... with partners from ...



**Institute for Development Studies,
University of Nairobi**



1. Dr Eric Aligula
2. Prof Patrick Alila
3. A/Prof Preston Chitere
4. Dr Mary Kinyanjui
5. A/Prof Dorothy McCormick
6. A/Prof Winnie Mitullah
7. Dr Samuel Obiero

Kenyatta University

8. Dr Godwin Murunga

Maseno University

9. Prof Wilson Odero

**Centre for Transport Studies,
University of Cape Town**



1. A/Prof Roger Behrens
2. A/Prof Romano Del Mistro
3. Dr Marianne Vanderschuren
4. A/Prof Peter Wilkinson

University of Pretoria

5. A/Prof Christo Venter (Pretoria U.)

**Department of Transportation and
Geotechnical Engineering,
University of Dar es Salaam**

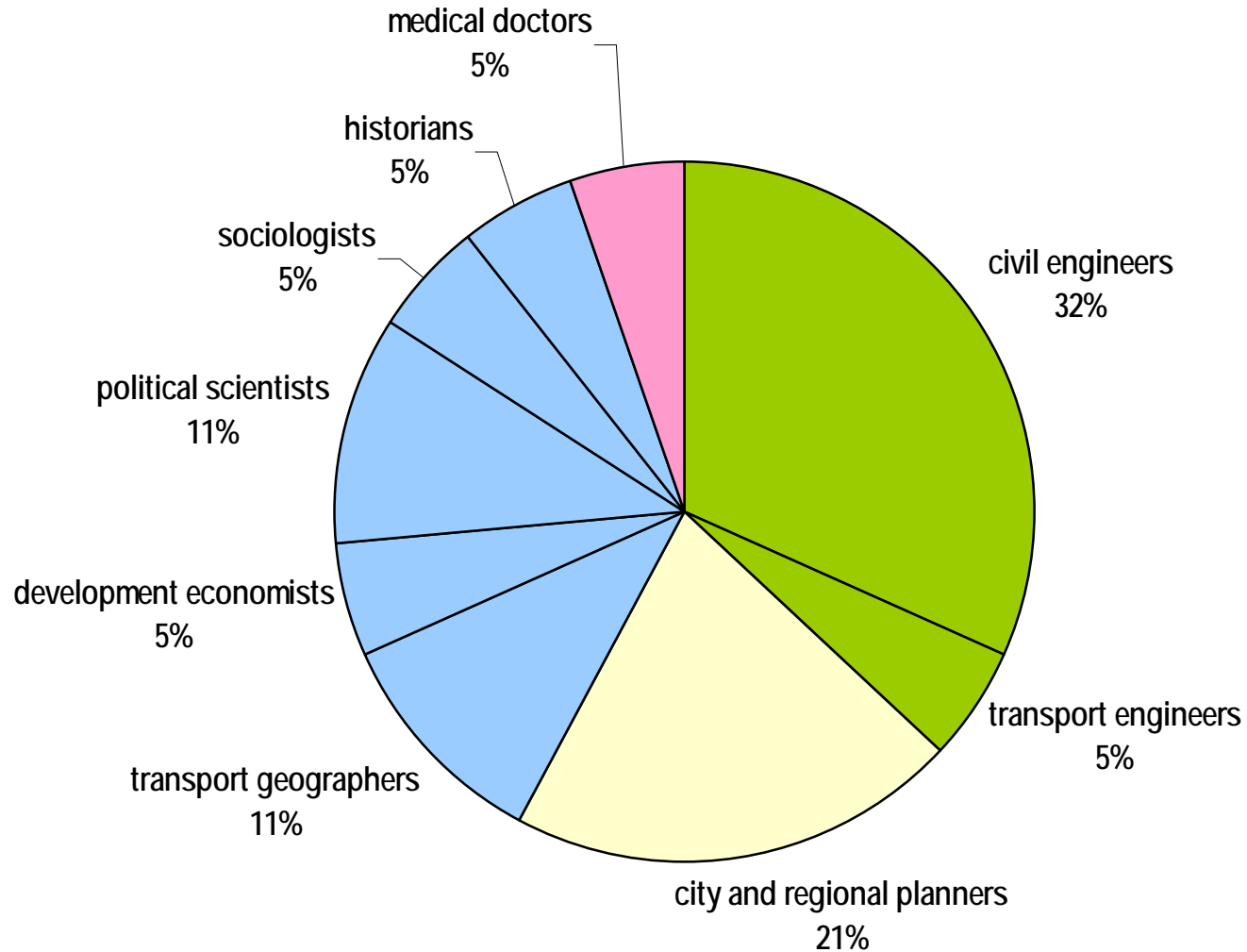


1. Dr Hannibal Bwire
2. Dr Estomihhi Masaoe
3. Dr David Mfinanga
4. A/Prof Theophil Rwebangira

Dar es Salaam City Council

5. Ms Asteria Mlambo

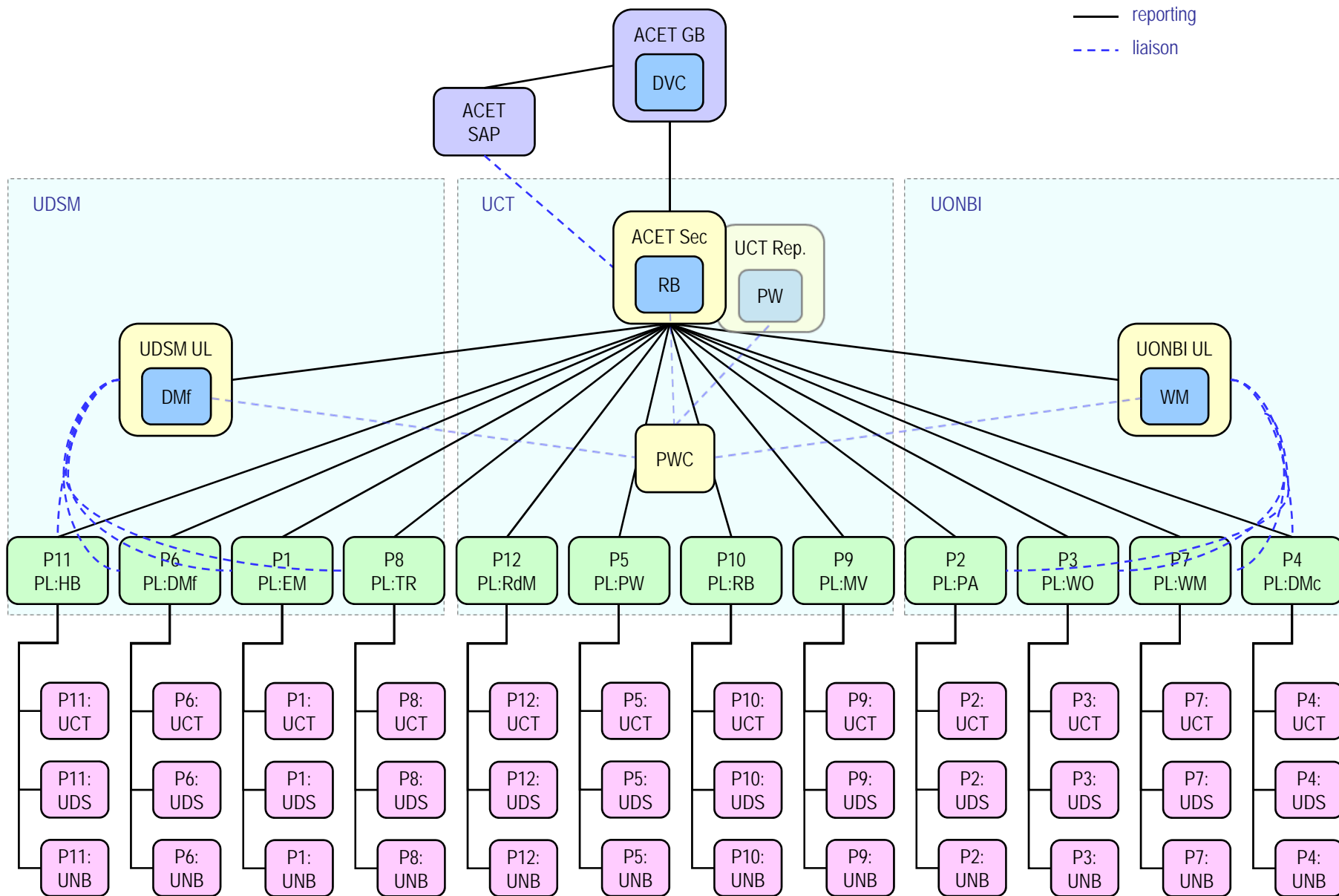
... a multi-disciplinary researcher grouping



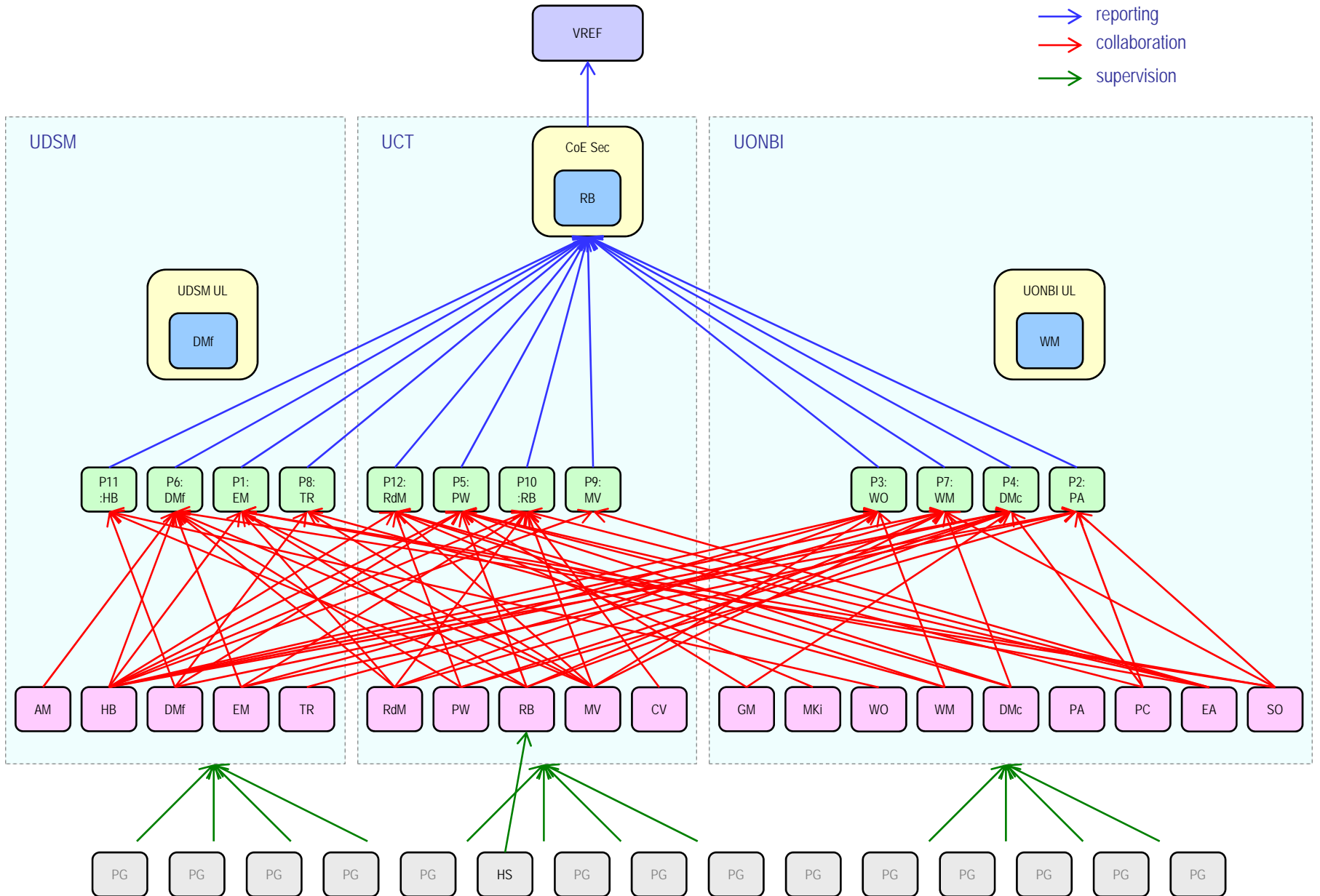
ACET **role payers** include ...

- Governing Board (GB)
- Scientific Advisory Panel (SAP)
- ACET Secretariat (AS)
- (UDSM and UONBI) University Leaders (ULs)
- Partner Working Committee (PWC)
- Project Leaders (PLs)
- Project Researchers (PRs)
- Postgraduate Students (PGs)

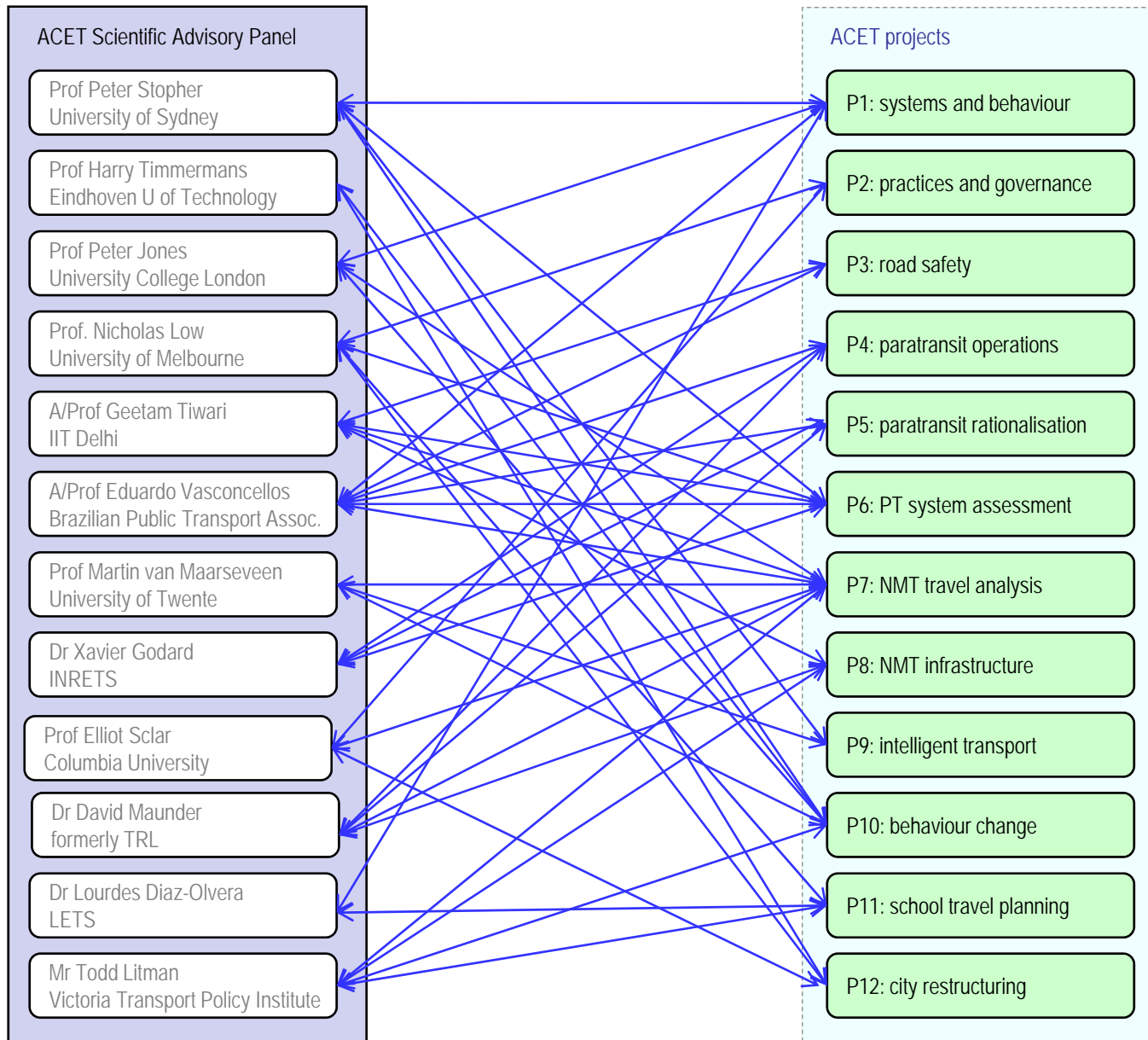
... organised within a **CoE** structure ...



... with complex cross-university and cross-national **interactions** ...



... a (nominated, but not yet invited) **Scientific Advisory Panel** will provide peer assessment of research quality ...



... a (nominated, and partially confirmed) **Governing Board** will review progress and approve 'stage-gate' funding ...

1. Chair: (Acting) UCT DVC Danie Visser*
2. Roger Behrens (ACET Director)
3. David Mfinanga (UL:UDSM)*
4. Winnie Mitullah (UL:UONBI)*
5. Peter Wilkinson (UL:UCT)*
6. Dinesh Mohan (IIT Delhi)
7. Meleckidzedeck Khayesi (WHO)
8. David Kunaka (WB SSATPP)
9. Måns Lönnroth (VREF)*

... together representing a **strategic international network**



The ACET **research programme** is focused in two main areas ...

Public transport and paratransit

- African cities have experienced **decline in scheduled public transport**, and the emergence of unregulated, unscheduled and unsafe **paratransit**
- a major challenge facing authorities is the **transformation** of these services into integrated, regulated, safe and efficient **systems**
- many previous attempts to do this have been developed without sufficiently grounded knowledge of '**real world**' business, operating and regulatory **conditions**, and of governance capacities
- any interventions need to be **situated** with in a context of responsible government agencies with low **capacities**, limited **resources** and poorly developed **planning frameworks**



... and ...

Non-motorised transport

- cities across Africa also have **inadequate infrastructures** to support the **non-motorised transport** (NMT) modes upon which large impoverished populations depend
- poor levels of NMT **accessibility**, and **unsafe** and **uncomfortable** travel conditions are the inevitable result
- for many decades NMT has been **ignored or underestimated**, and treated as an add-on or afterthought
- here too interventions need to be **situated** with in a context of responsible government agencies with low **capacities**, limited **resources** and poorly developed **planning frameworks**



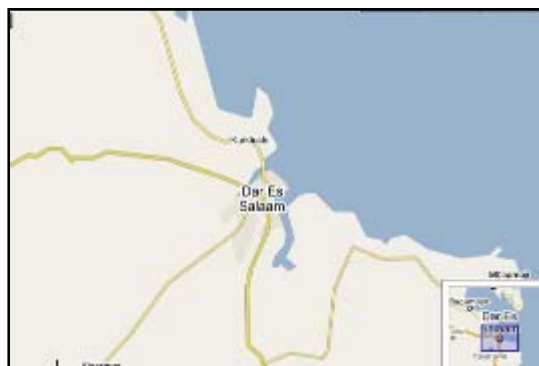
... to be studied in three similar sized, but diverse, **case cities** ...

Cape Town



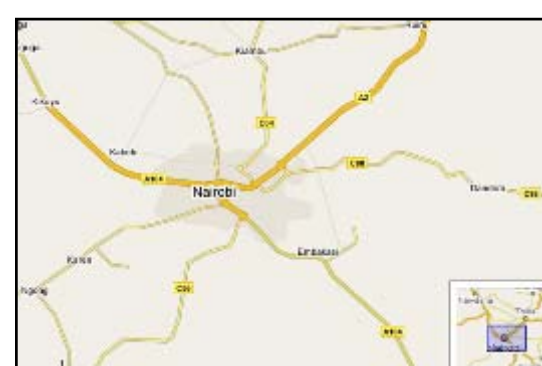
population: 3.1 m
PT (AM peak) mode share: 39%
NMT (AM peak) mode share: 13%
PT (all trip) mode share: 16%
ped. (all trip) mode share: 36%
ped. crash fatality share: 63%

Dar es Salaam



population: 2.5 m
PT (AM peak) mode share: n.i.
NMT (AM peak) mode share: n.i.
PT (all trip) mode share: 42%
ped. (all trip) mode share: 47%
ped. crash fatality share: 69%

Nairobi



population: 2.9 m
PT (AM peak) mode share: n.i.
NMT (AM peak) mode share: n.i.
PT (all trip) mode share: 42%
ped. (all trip) mode share: 43%
ped. crash fatality share: 65%

... comprised of **12 research projects** ...

Project 1: Transport systems and travel behaviour	(A/Prof Masaoe)
Project 2: Transport planning practices and governance systems	(Prof Alila)
Project 3: Road safety	(Prof Odero)
Project 4: Paratransit operations	(A/Prof McCormick)
Project 5: Paratransit regulation, rationalisation and integration	(A/Prof Wilkinson)
Project 6: Public transport system assessment	(Dr Mfinanga)
Project 7: Non-motorised travel analysis	(A/Prof Mitullah)
Project 8: Non-motorised transport infrastructure improvement	(A/Prof Rwebangira)
Project 9: Intelligent transport systems	(Dr Vanderschuren)
Project 10: Travel behaviour change	(A/Prof Behrens)
Project 11: School travel planning	(Dr Bwire)
Project 12: City restructuring	(A/Prof Del Mistro)

... key **objectives** are ...

- to develop an in-depth and critical understanding of the urban, socio-economic and institutional contexts within which **public and non-motorised transport systems** operate, and of the operation of these systems in the case cities
- to analyse PT and NMT problems facing African cities and **recommend strategies** on how they might be most appropriately addressed, particularly with respect to prevailing poorly developed institutional frameworks and resource limitations within implementing agencies
- (in later years) to **demonstrate appropriate interventions** through training, and assisting, as opportunities emerge, with project identification and implementation