ITU Kaleidoscope 2011
The fully networked human?
Innovations for future networks and services

The fully networked human-**ity**?
Innovations for the un-networked human

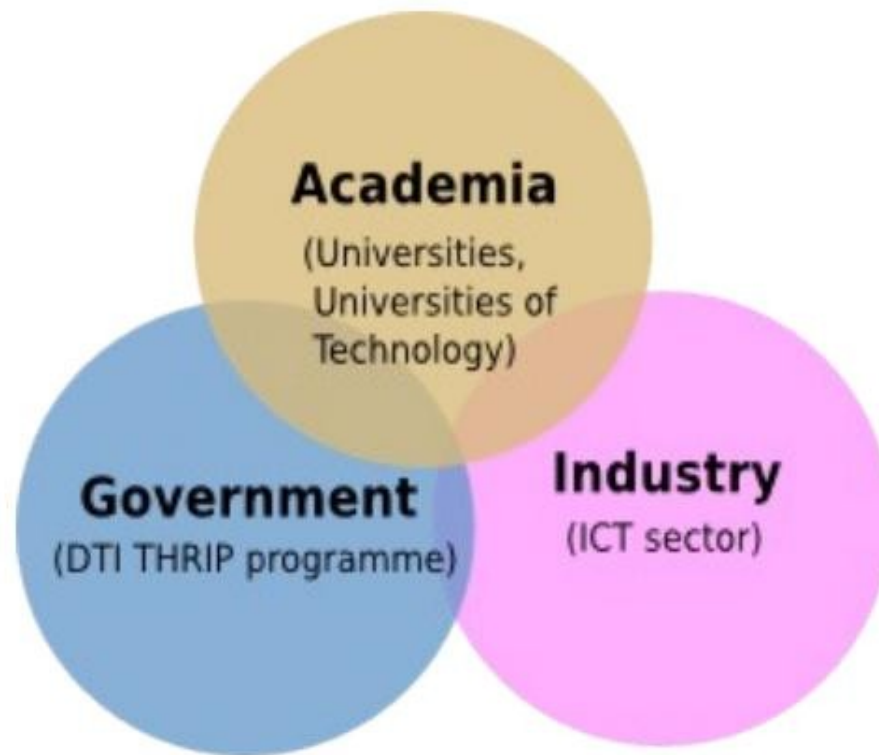**Alfredo Terzoli**
Rhodes & Fort Hare Universities
South Africa

Healthy tensions

❑ Innovation vs standardization

❑ Innovation vs meta-innovation and standardization vs meta-standardization
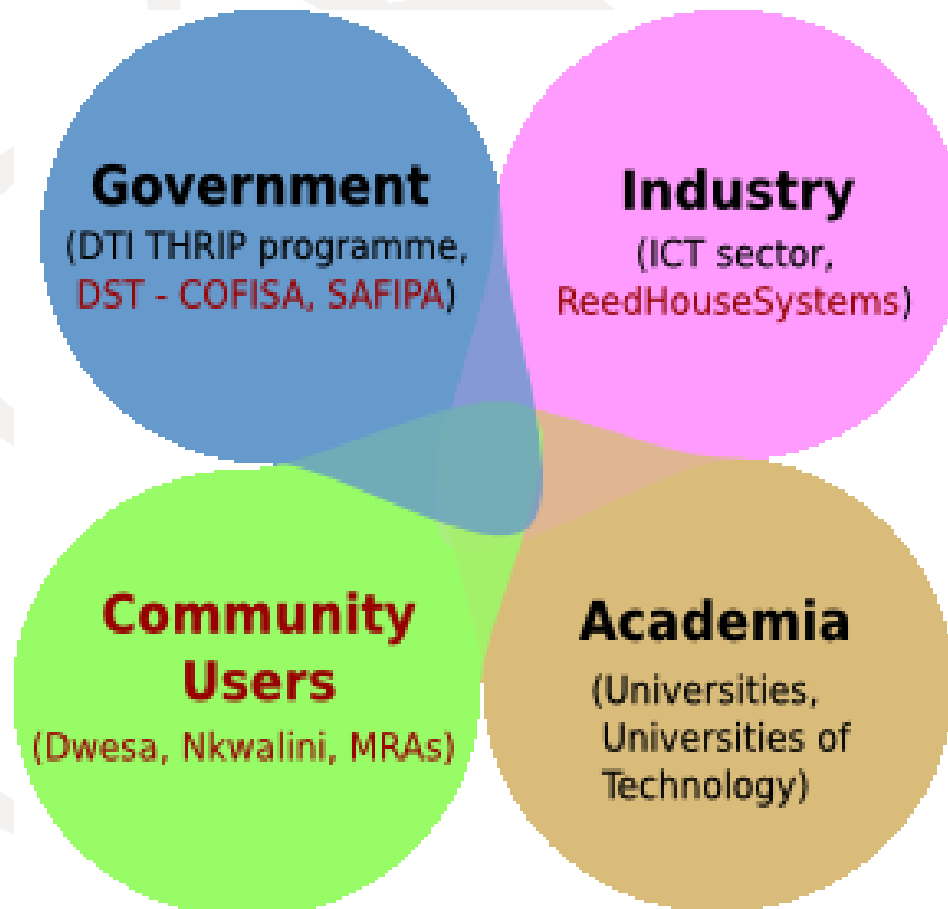
❑ Systemic vs non-systemic innovation

Systems for innovation

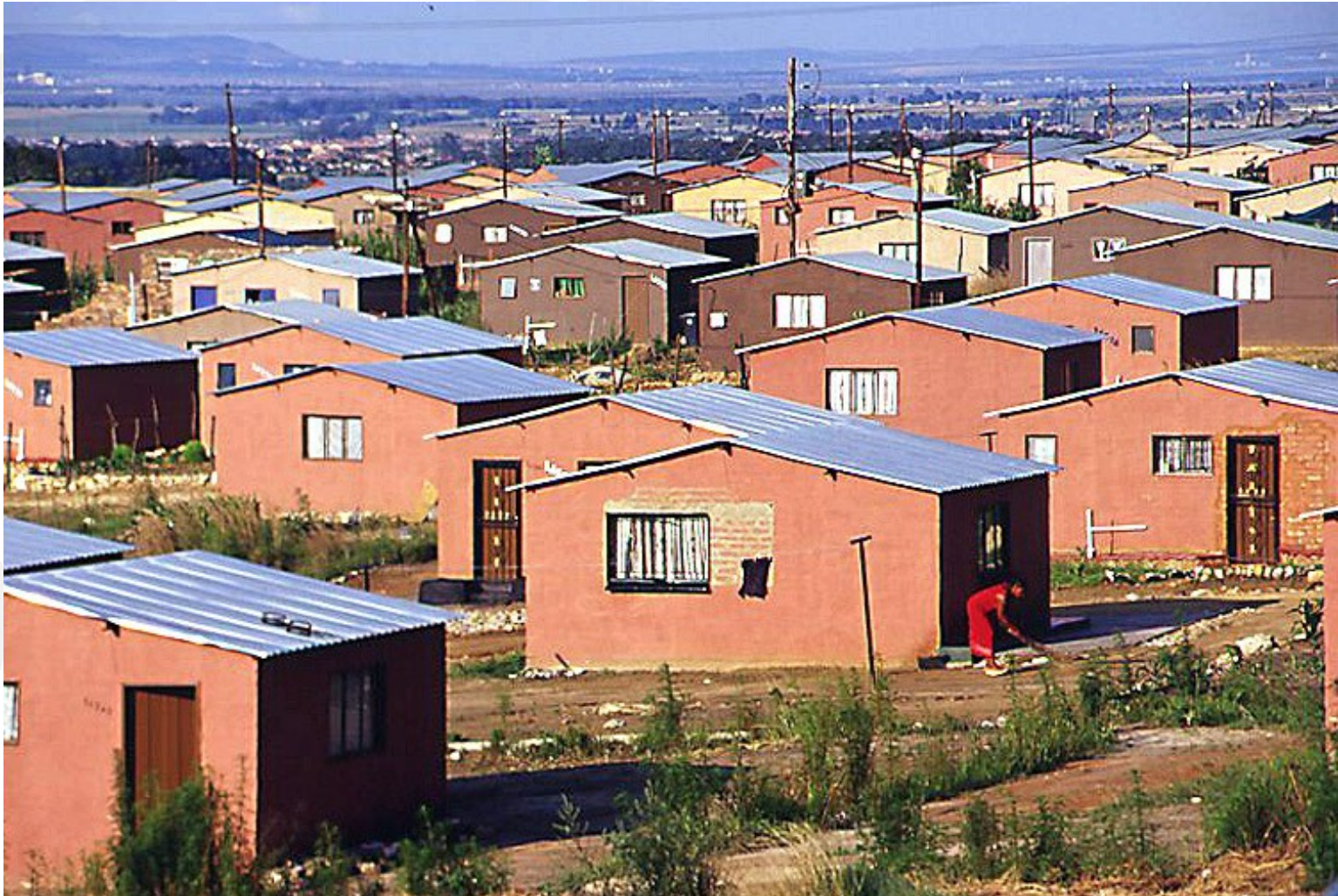❑ Triple helix

Systems for innovation (2)

❑ Quadruple helix

(Dysfunctional) peri-urban

Peri-urban (RDP houses)

Rural life: Dwesa!

Telkom CoEs

1997

RU

1997

UFH

2005

Siyakhula
Living Lab

a Living Lab?

A living lab is a place in which to develop concepts, services and products in a systemic way, co-opting the users as co-creators

Telkom CoEs

1997 — RU

1997 — UFH

2005 — Siyakhula Living Lab

2009 — Siyakhula Living Lab Management Unit

2010 — Reed House Systems (software house)

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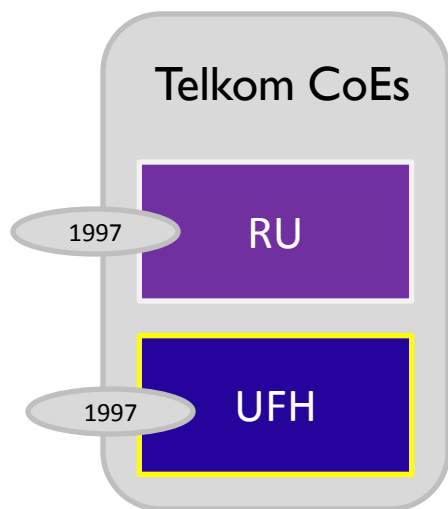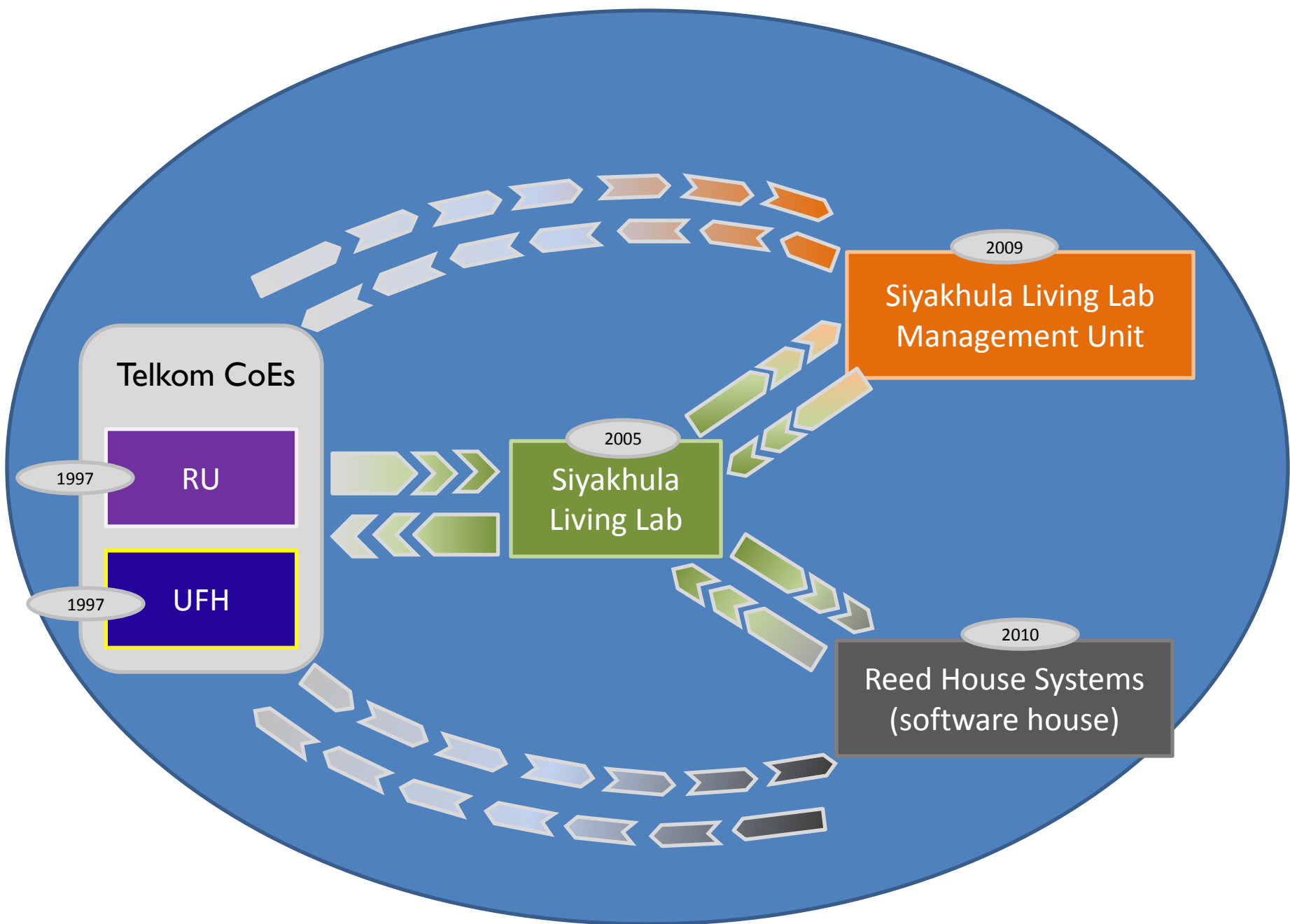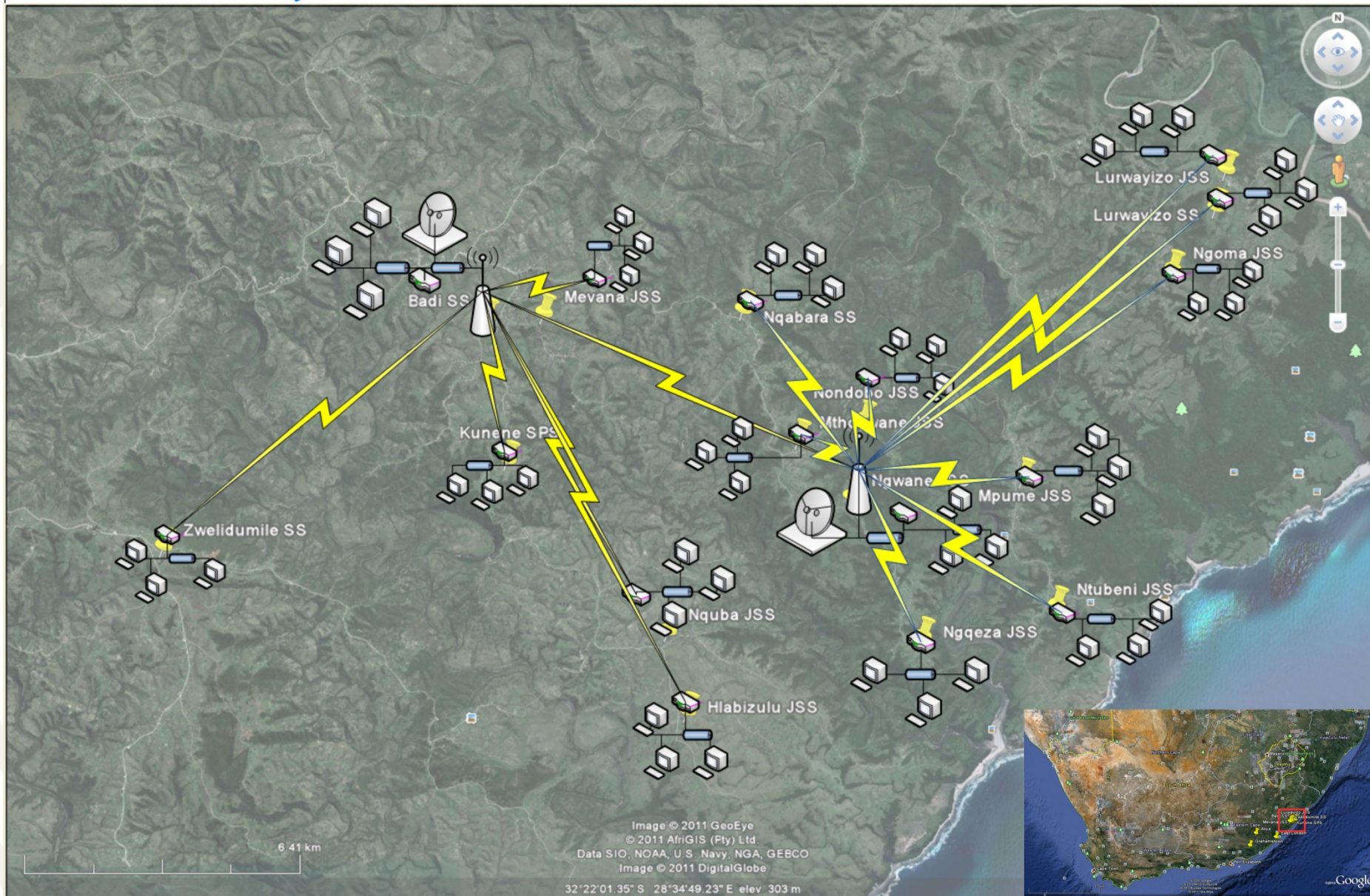The Siyakhula Living Lab Network

Teleweaver

INNOVATIVE SOLUTION

Teachers

Students

Farmers

Government departments

NGOs

Community Members

SERVICE Deliverors

Illiterate people

Banks

Telecommunication service providers

HIV support   TB support

E-hEALTH

Collecting survey data

Basic health info

E-GOVERNMENT

Requesting ID

Disability pension application

Enterprise

Source

Service

Open

Bus

TELEWEAVER

Middleware platform that facilitates development and deployment of ICT4D solutions

Full

Architecture

USERS

Integrated solution for end users, service creation and delivery

Open Source community

ICT4D scene

Developers

Commercial companies

SERVICES

Base for internet applications that are adapted to the unique communication needs of marginalized communities

Purchasing prepaid airtime

E-cOMMERCE

Advertise your B & B

Selling arts and crafts

Thin clients

PCs

Thick clients

3G

LTI

moBile Phones

DEVICES

Usage via multiple platforms.
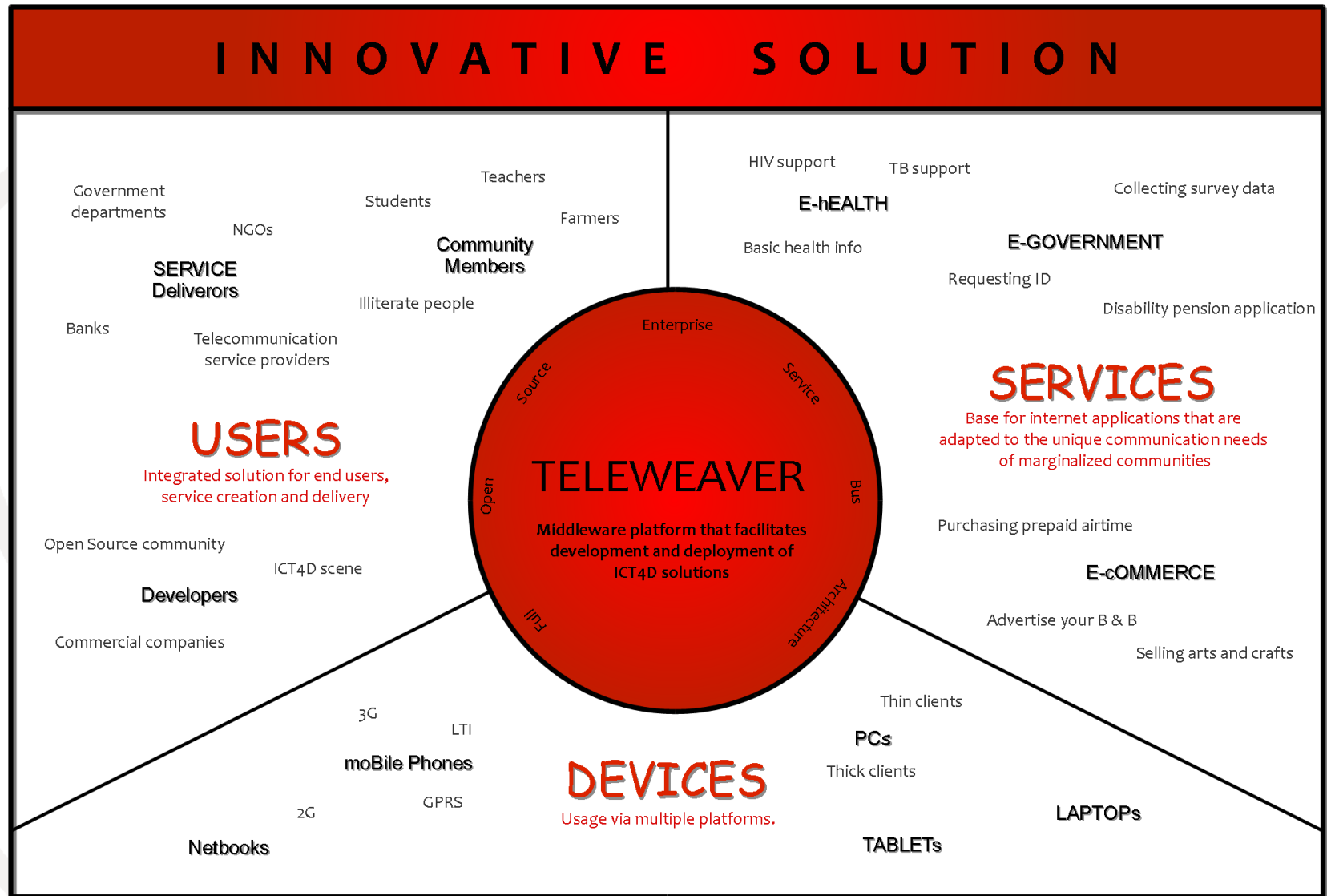
2G

GPRS

LAPTOPs

Netbooks

TABLETs

Cape Town, South Africa, 12-14 December 2011
ITU Kaleidoscope 2011 – *The fully networked human? Innovations for future networks and services*

A lot of standardization needed!

□ Of processes supporting the living lab methodology and interfaces between them (meta-innovation)

□ Of specific innovations generated within the living lab, in all sort of fields

□ Of processes supporting the upscaling and commercialization of the specific innovations