



the doc

Department:
Communications
REPUBLIC OF SOUTH AFRICA



e-Skilling South Africa for equitable prosperity and global competitiveness

Presentation to Mpumalanga ICT Stakeholder
Session

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DDG: e-Skills Institute
ACTING CEO: NEMISA

4 October 2012



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1. Information Society Knowledge
Economy Context

2. Challenges

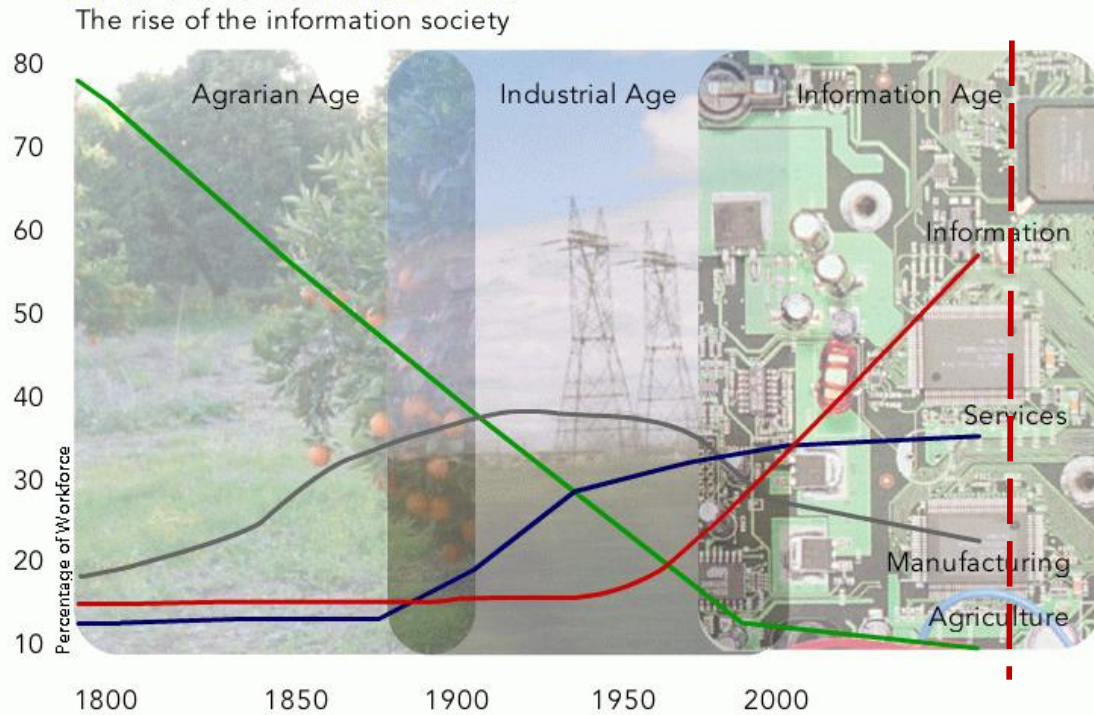
3. Building an IS and KE



positioning SA as an information society & knowledge economy

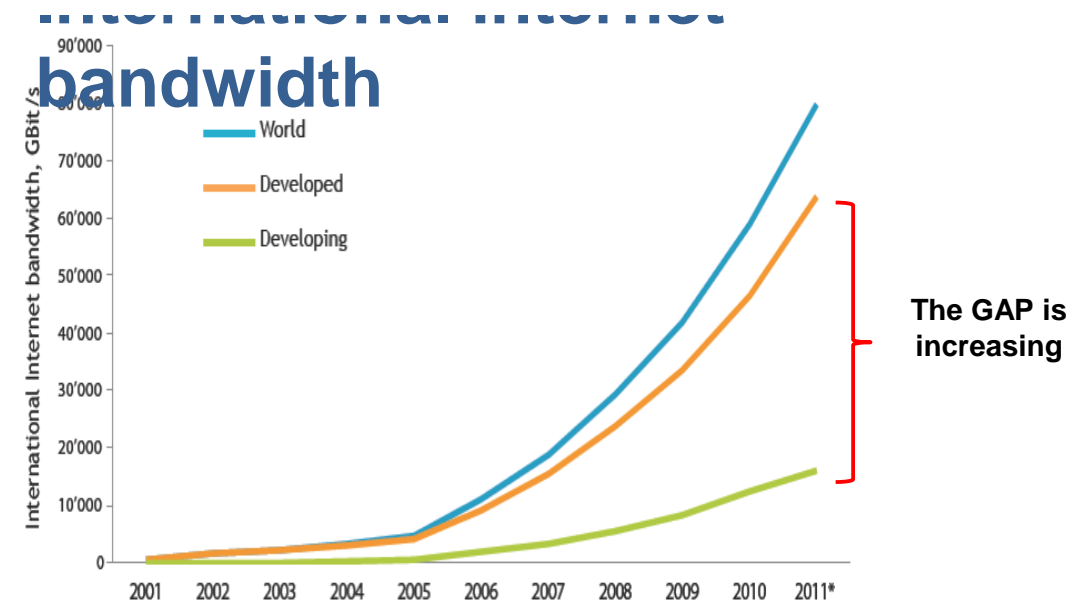
1. world is changing

e-World



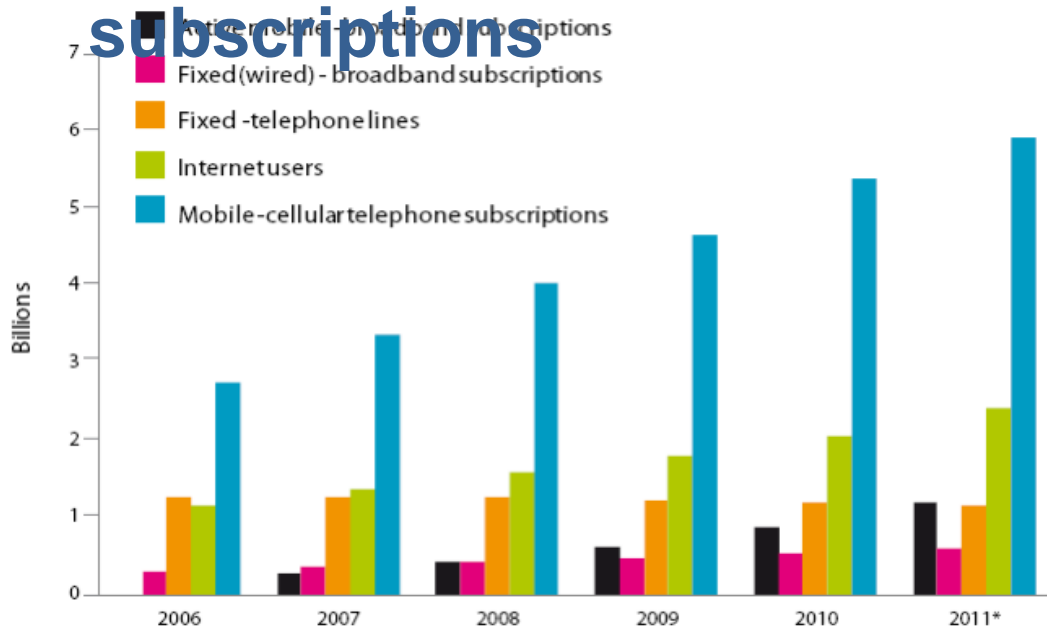
u-World

3. international Internet Bandwidth



Note: * Estimate
 Source: ITU World Telecommunication/ICT Indicators database

2. increase in mobile subscriptions



Note: * Estimate
 Source: ITU World Telecommunication/ICT Indicators database

Big issue:

How to leverage ICT capabilities and tools to address our socio-economic needs and improve our human resource base of the country for equitable prosperity and global competitiveness.

What Happens in an Internet Minute?



And Future Growth is Staggering



building the information society and knowledge economy

BUILDING THE INFORMATION SOCIETY/KNOWLEDGE ECONOMY

(Slide adapted: OECD Conference, 2006)

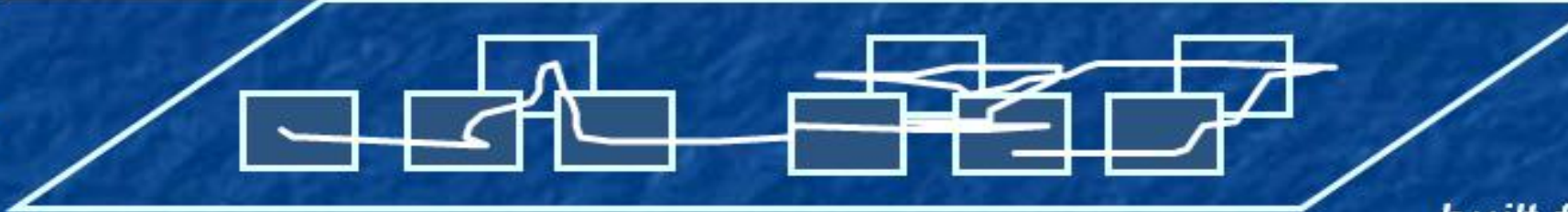
Society: Urban
Rural



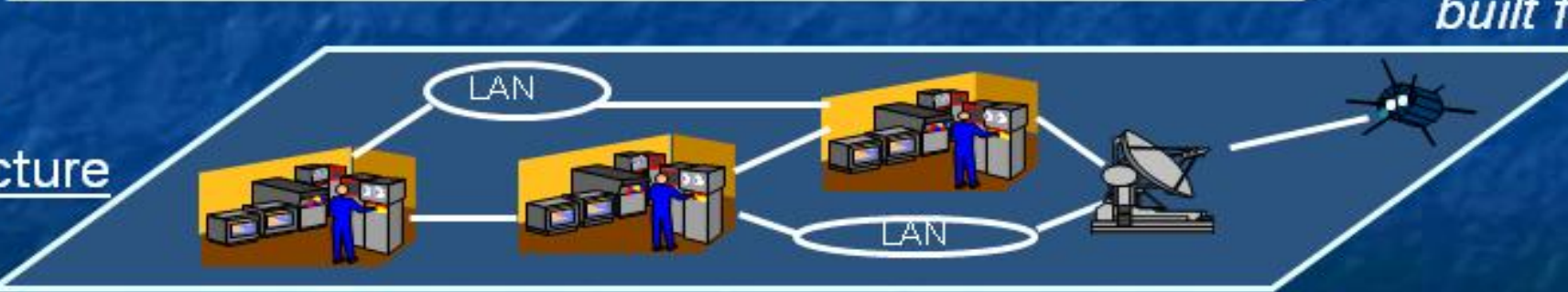
Institutions



Services



ICT
Infrastructure



depends on

to get to

built from multiple

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Growth of K in the economy

Knowledge industries

Knowledge itself is the product/service
(e.g., software, media, entertainment, consulting)

Knowledge-intensive industries

High level of K embedded in products/services
(e.g., electronics, computer, pharmaceutical)

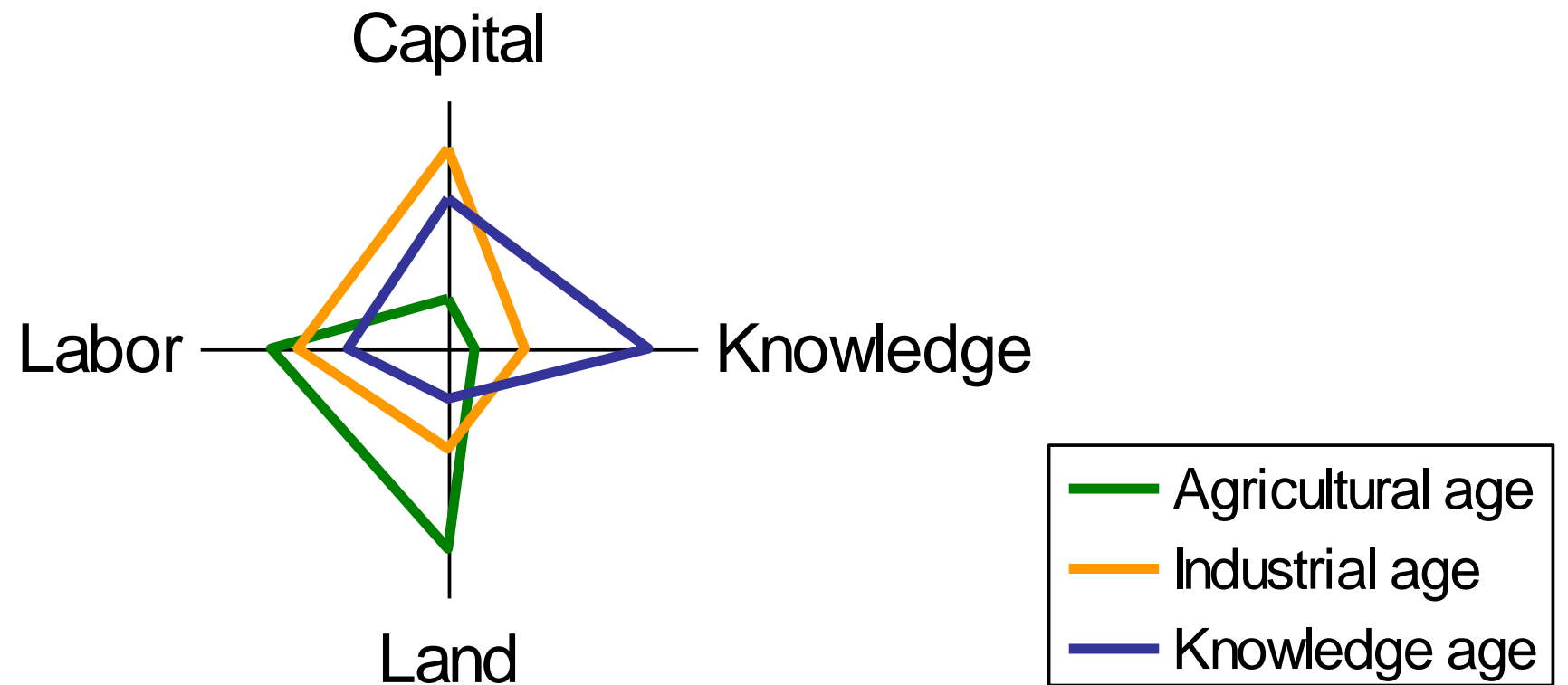
Traditional industries

Capital and labor still largely relevant
(e.g., oil & gas, construction, transportation, retail)

Pace of change



What is the knowledge economy?



- Knowledge has become the main resource
- The pace of innovation is accelerating (not only in products and services, but also in processes, markets, sourcing, business models, etc.)



challenges facing SA

key opportunities

1. **ICT Infrastructure across the country is varied, untargeted, unstructured and uncoordinated**
2. **Education system is not producing sufficient number of people to work in the ICT Sector.**
3. **Education system is not producing the required skills for advancing SA's knowledge economy.**
4. **Absence of central coordination of demand and supply and aggregation of data for building e-skills capacity. Therefore difficult to make policy decisions.**

**Result: further drop in country's
- global development index-**

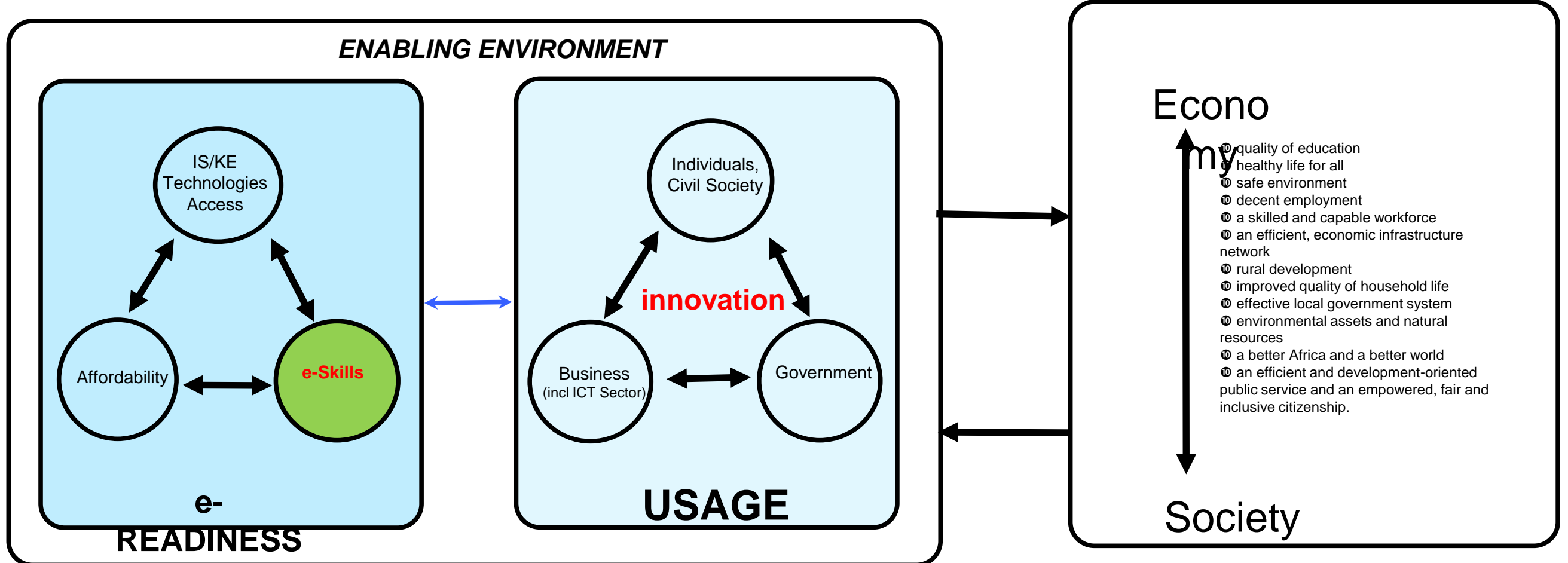


building the information society and knowledge economy

ITU (2011); WEF (2012)

INFORMATION SOCIETY AND KNOWLEDGE ECONOMY DRIVERS

IMPACT (OUTCOMES) AGAINST NATIONAL STRATEGIC PRIORITIES





DOC's Strategic Objective:

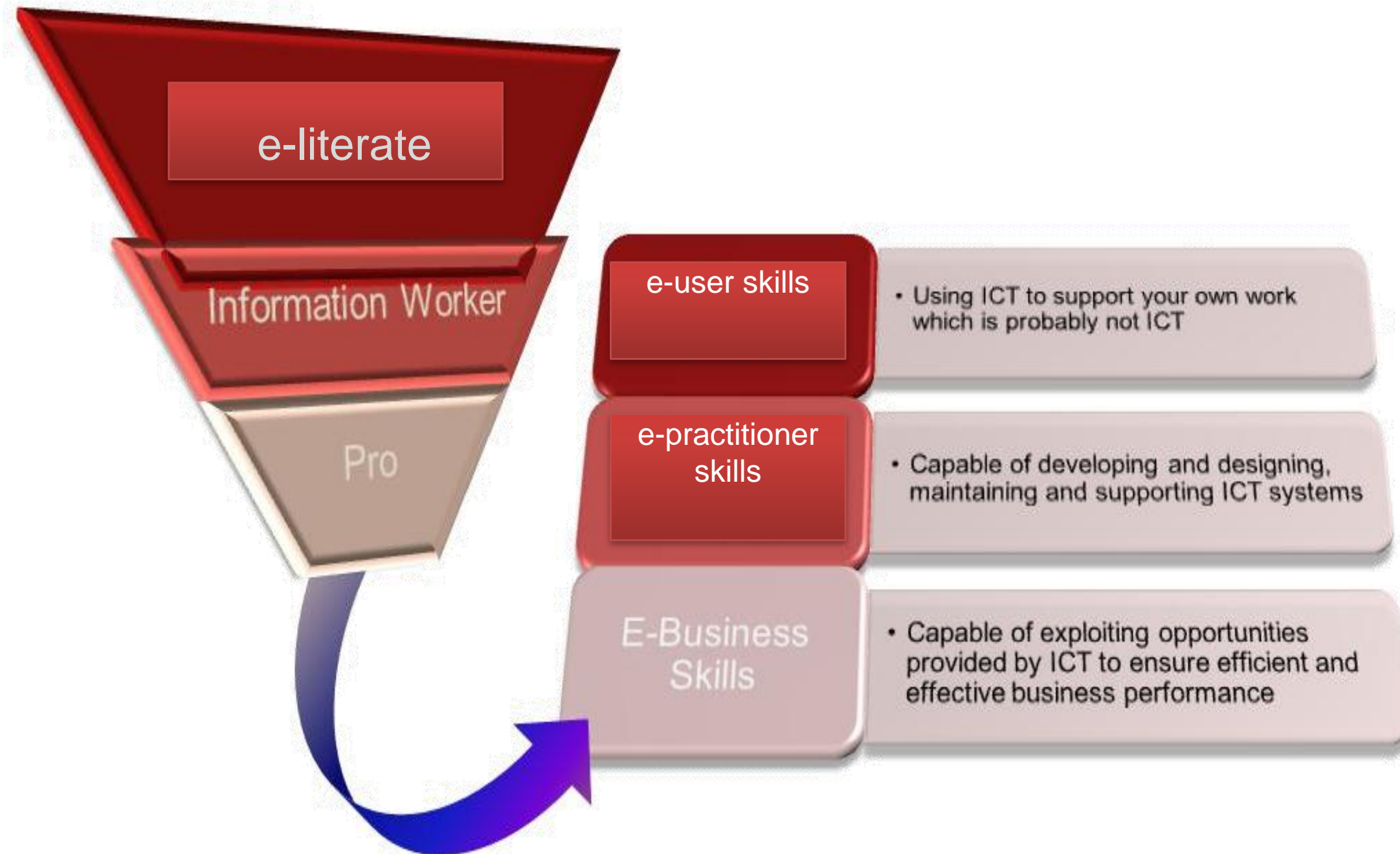
ICT as a strategic social and economic enabler for a knowledge economy:

1) ICT policy (affordability and skills). 2) national broadband network. 3) digital broadcasting migration policy.



A national catalytic collaborator, facilitator and change agent for developing e-skills capacity in the country.

building e-skills capacity



Supports the priority areas of the national HRD strategy work plan



new jobs and new skills

Vice President/Leader Innovation

eTrade Financial Corp - New York, NY

Innovation is a corporate function which was formed in late 2010 to lead the development of innovations, i... for the Company. The VP - Innovation will play a...

eTrade Financial Corp - 5 hours ago - [save job](#) - [block](#) - [email](#) - [more...](#)

VP, Product Marketing & Innovation - IHOP

Int'l House of Pancakes, LLC - Los Angeles, CA

product management and innovation with the goal core... and excitement for the brand. Lead the product innovation, product design and culinary work to drive brand...

DineEquity - 15 hours ago - [save job](#) - [block](#) - [email](#) - [more...](#)

Innovation is the hot post-recession job.

Director, Innovation Incubation, healthymagination

GE Corporate - United States

models Manage open innovation challenges (e.g., current cancer open innovation challenge)

Assess feasibility of new products and innovation platforms by...

GE Careers - 4 days ago - [save job](#) - [block](#) - [email](#) - [more...](#)

Director, IT Innovation Job

Ecolab - Saint Paul, MN (Payne Phallen area)

As a leader in IT Innovation you will work with... Stays abreast of current technology trends and innovation through ongoing benchmarking, participation in...

Ecolab - 5 days ago - [save job](#) - [block](#) - [email](#) - [more...](#)

Director, Innovation

U.S. Cellular - Chicago, IL (Norwood Park area)

teams as appropriate in the process to drive innovation (6-24 months) in concept development and... teach members of the Innovation team; set appropriate...

U.S. Cellular - 1 day ago - [save job](#) - [block](#) - [email](#) - [more...](#)

Director Packaging Innovation and Development (Parsippany)

Pinnacle Food Group LLC - Parsippany, NJ

Hines Dry Grocery business. Identify opportunity areas for packaging innovation to drive increased consumer acceptance leveraging packaging as a strategic...

Pinnacle Food Group LLC - 1 day ago - [save job](#) - [block](#) - [email](#) - [more...](#)

Innovation Planner

Unilever - Englewood Cliffs, NJ

Chain Innovation Planner supports the Innovation... and developmental stages of the innovation process for the innovation projects they support for North...

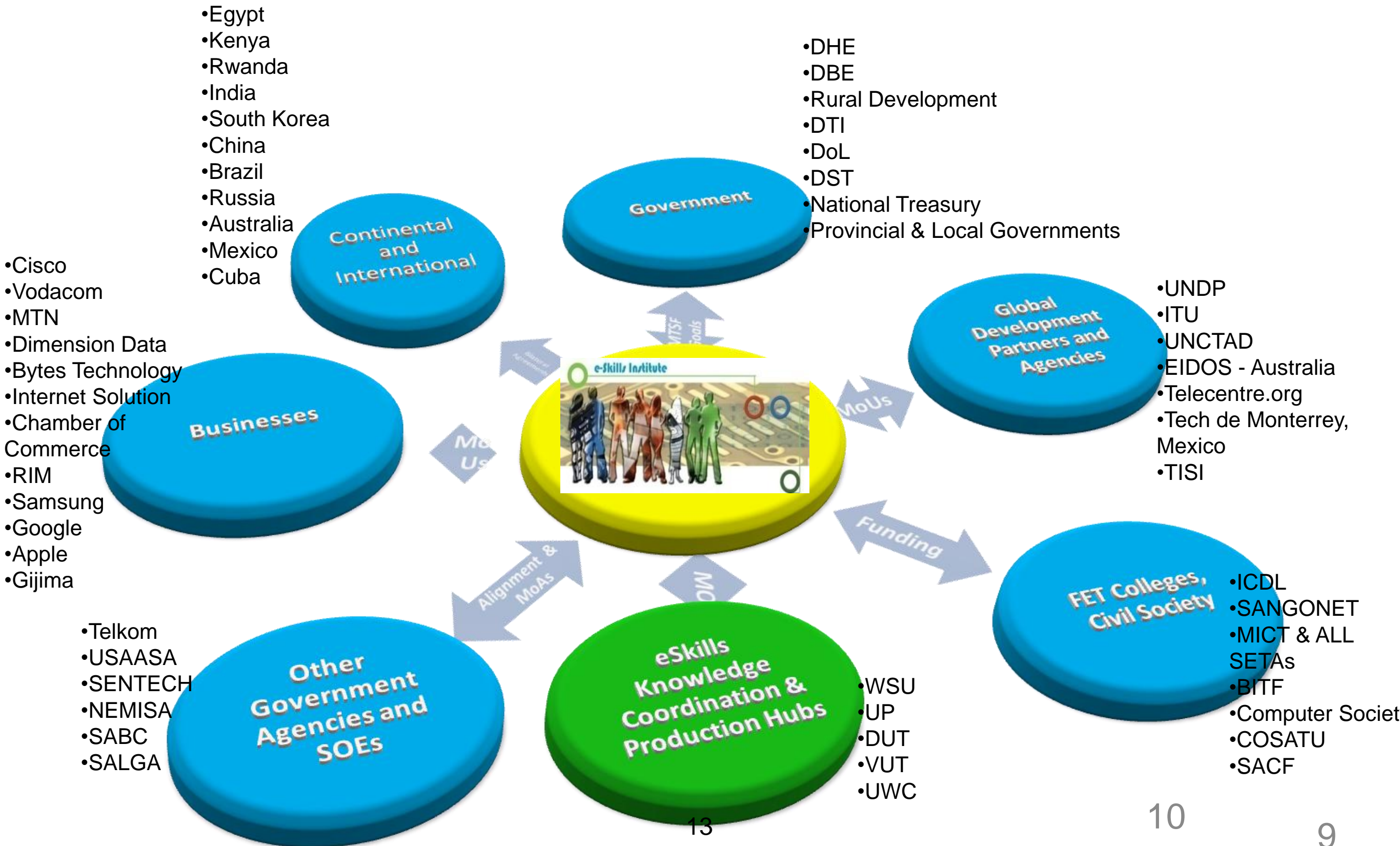
Unilever - 7 days ago - [save job](#) - [block](#) - [email](#) - [more...](#)

new skills required:

- collaboration
- problem solving
- creativity
- data analytical
- business analytical



created a national multi-stakeholder network model

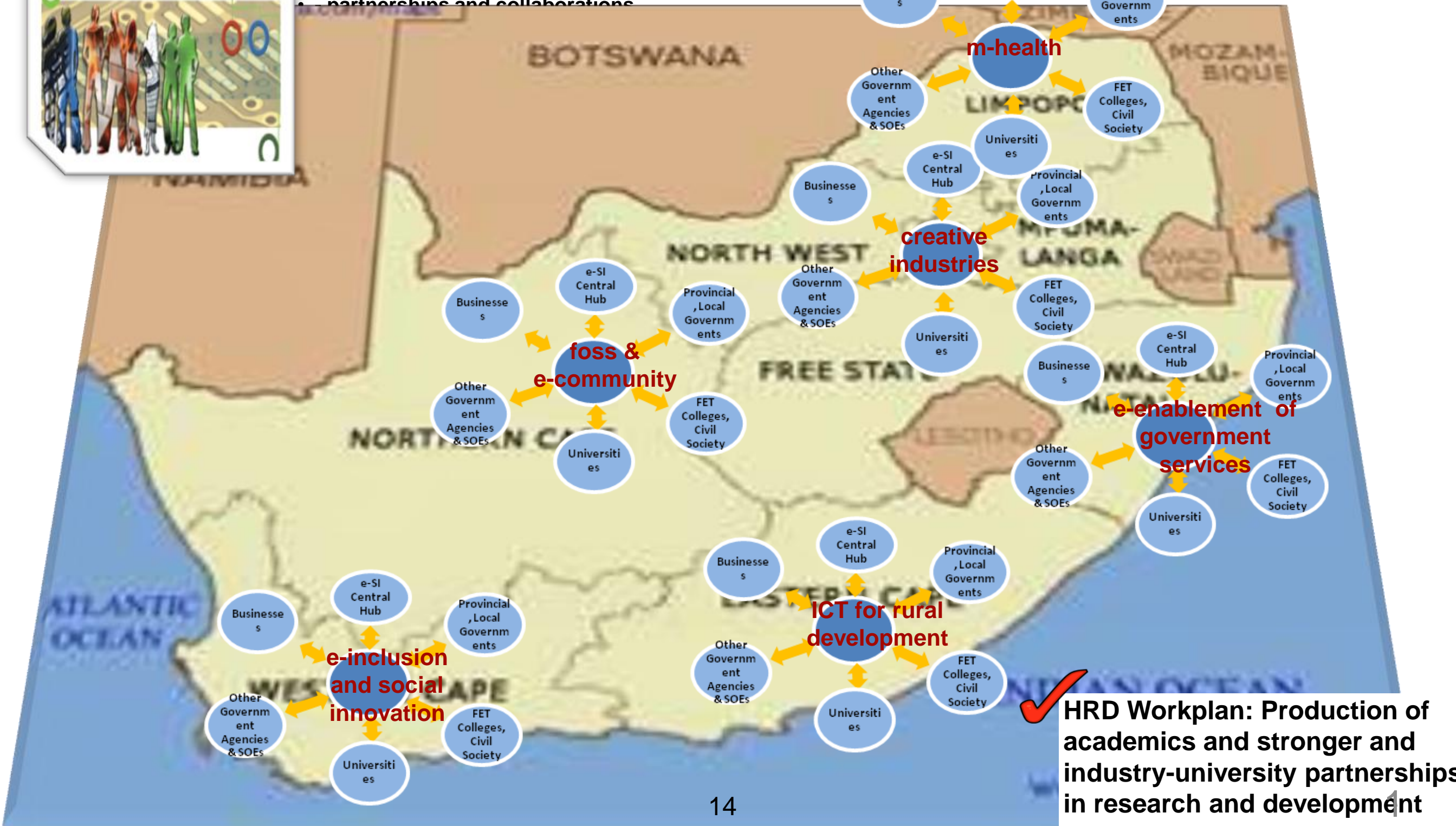




e-skills delivery model

national & decentralised e-skills model for impact (coordination, aggregation of demand and supply)

partnerships and collaborations



✓ HRD Workplan: Production of academics and stronger and industry-university partnerships in research and development

e-skills delivery model supported by ICT

21st century e-skills virtual network for knowledge production & transfer



within a developmental context: There is a key role for ICT & the ICT sector



e-Skills targeted delivery for impact

capacity development and human resource development towards a digital and knowledge economy and an e-literate society by 2030

Over the next 5 years, the e-Skills Institute aims to deliver on:

1. Thought Leaders (across business, government, education, civil society including labour)

- 120 post-graduate students
- 4200 targeted seminars lectures aimed at senior decision- makers, researchers
- 400 e-skills researchers (ReSNeS)
- 1 000 e-Skills Summit (NeSPA)

2. Creative industries & ICT sector (practitioners)

- 45 PhD students
- 90 Honours & Masters degree students
- 900 B Degree students
- 10 international visiting scholars
- Recognised, Certificated Industry-related Qualifications (short-courses)

3. Users across key sectors i.e. government, health, education (FETs), business

- 1 million recognised, certificated industry-related qualifications (short-courses) targeted at business, government (including local government) , education, health and private sector

4. Communities (citizens, unemployed, women, youth, physically disabled)

- 10 million basic e-literacy skilled citizens (social appropriation of technology)
- 20% Civil society organisations capacitated to delivery on social appropriation skills

