"Towards a more equitable and inclusive economy"

MPUMALANGA ICT ROUND TABLE
04 October 2012

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Department:
Economic Development, Environment and Tourism
MPUMALANGA PROVINCIAL GOVERNMENT

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3. ICT IMPARATIVES

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CONTEXT

BACKGROUND

- 2009 ICT strategy

- Guided by the National policy, National ICT framework, IPAP,NGP etc

- Informed by participation in different structures

- The MEGDP with prioritising ICT

- On going engagement government partners

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MPUMALANGA ECONOMIC GROWTH AND DEVELOPMENT PATH FRAMEWORK

MEGDP Targets

Unemployment

- Reduce the unemployment rate to 15% by 2020
- Therefore creating 720,000 new jobs
- This is a 12.7% decrease from the 2011 provincial unemployment rate of 27.7%

Inequality

- Reduce inequality by enhancing the skill set of the labour force, fixed capital investment and improvements in education.
- Government will involve the private sector in planning and skills development as the private sector will be the engine of job creation

Poverty

- Reduce the poverty rate from the 2009 level of 47.8% to 25% by 2020.
- Focus will be on job creation through public works programmes, employment guarantee schemes, education and skills attainment

*Condition:
Provincial economy needs to grow at a rate between 5 & 7 percent per annum

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Job Drivers

Infrastructure For Employment and Development
Economic Infrastructure
Social Infrastructure

Spatial Development:
Rural Development
Regional & International Co-operation

Job Creation in Strategic Economic Sectors:
Agriculture & Forestry Value Chain
Mining and Mineral Beneficiation
Manufacturing
Tourism and Cultural Industries

"Job drivers" to create employment opportunities and implement policies to take advantage of them
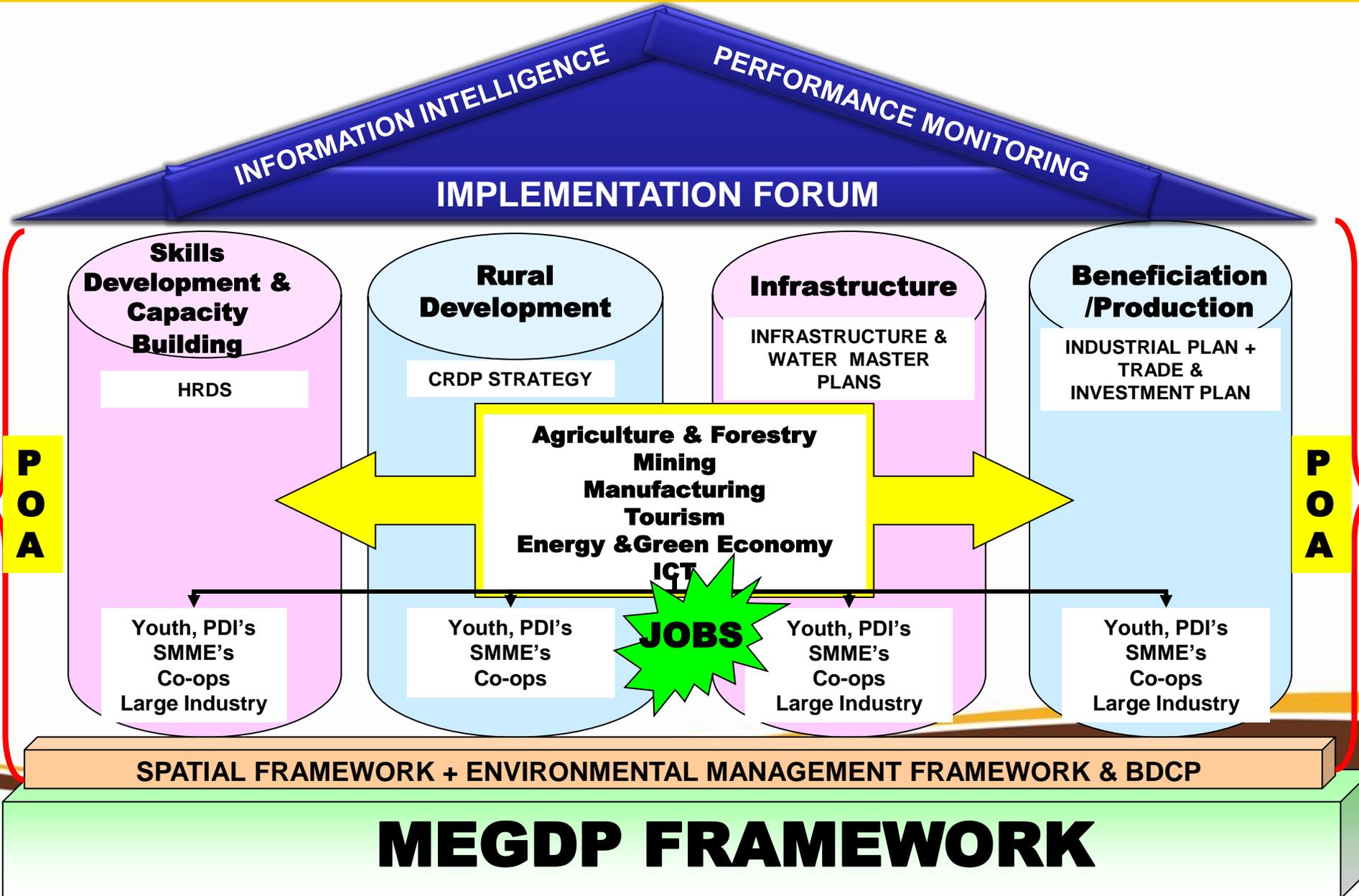
Investing in Social Capital & Public Service
The social economy
The public sector

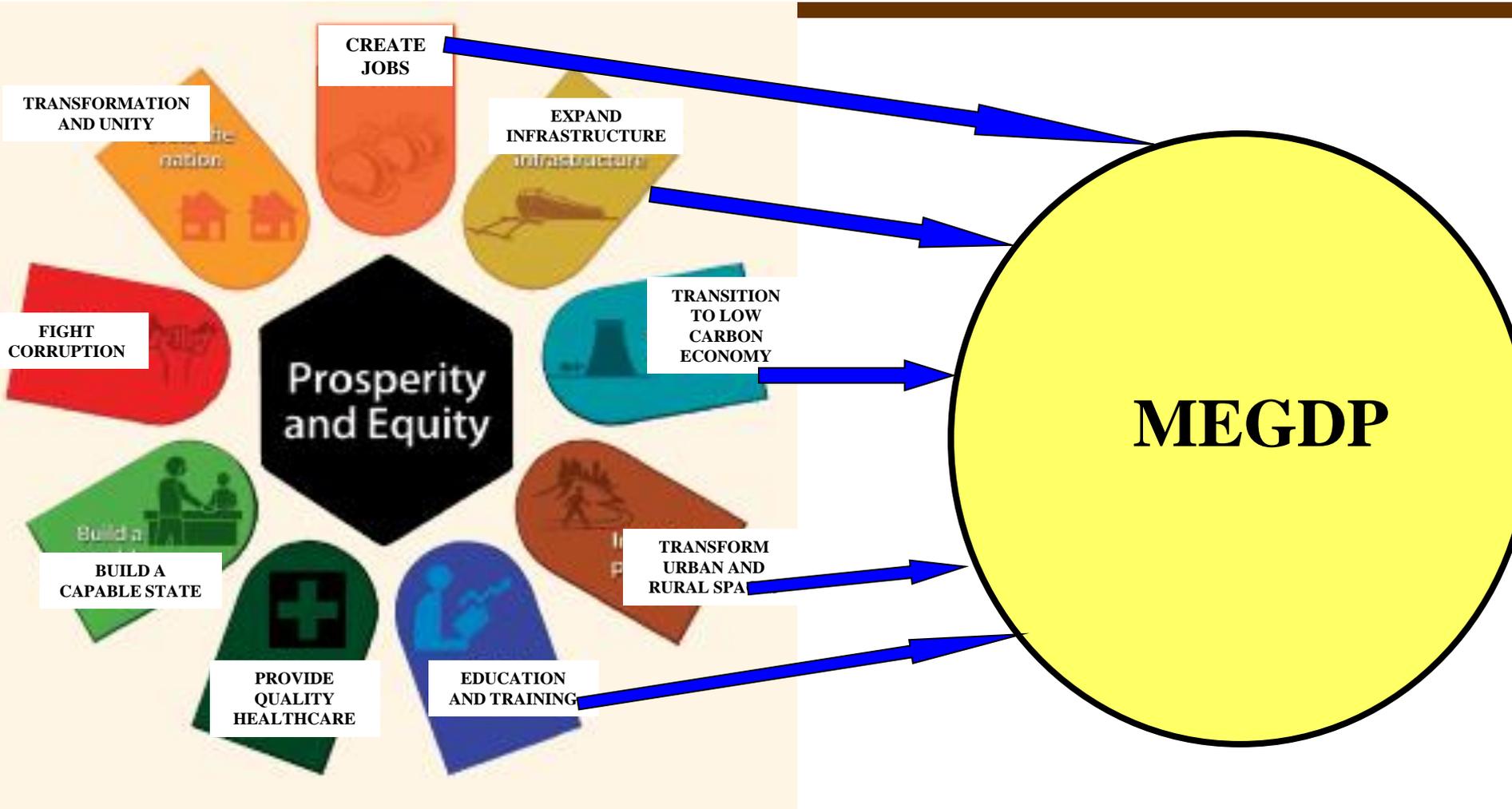**Seizing the Potential for New economies:**
Green Economy
ICT

MEGDP: COMPONENTS

INFORMATION INTELLIGENCE

PERFORMANCE MONITORING

IMPLEMENTATION FORUM

P O A

P O A

Skills Development & Capacity Building

HRDS

Rural Development

CRDP STRATEGY

Infrastructure

INFRASTRUCTURE & WATER MASTER PLANS

Beneficiation /Production

INDUSTRIAL PLAN + TRADE & INVESTMENT PLAN

Agriculture & Forestry
Mining
Manufacturing
Tourism
Energy &Green Economy
ICT

Youth, PDI's
SMME's
Co-ops
Large Industry

Youth, PDI's
SMME's
Co-ops

JOBS

Youth, PDI's
SMME's
Co-ops
Large Industry

Youth, PDI's
SMME's
Co-ops
Large Industry

SPATIAL FRAMEWORK + ENVIRONMENTAL MANAGEMENT FRAMEWORK & BDCP

MEGDP FRAMEWORK

ICT PROBLEM STATEMENT

- uncompetitive telecommunications landscape (does not offer reduced, competitive pricing to consumers)
- ICT skills in the province
- access to infrastructure by all citizens of Mpumalanga (rural areas are not connected)
- ICT initiatives are driven by private providers with little government involvement
- The lack of sustainability of SMME'
- The public service remain un-modernised
- Most parts of the province remain underserviced
- No focus on innovation and Research and Development
- Limited amount of local information available online
- Low technology ownership (among Africans)

OUR KEY FOCUS

- Increasing the use of ICT as an enabler for socio-economic growth
- Changing structure of provincial economy
- Reduce cost and ease of doing business
- Eliminating the digital divide in the province
- Improve service delivery
- Creation of job opportunities
- Improving the competitiveness of existing industries (sectors i.e agriculture)
- Improving education and health system

TURNING THE TIDE

1. Connect villages with ICT and increase community access points

2. **Connect, colleges, science and research stations, secondary & primary schools**

3. Position the Mpumalanga University as an National ICT hub

4. Adapt primary & secondary school curricula to focus on ICT studies

5. **Connect public offices libraries, cultural centres, museums, archives with ICT**

6. **Connect health centres and hospitals with ICT**

7. Ensure that all of the MP's population have access to television and radio(encourage community TV and radios)

8. Development of local content

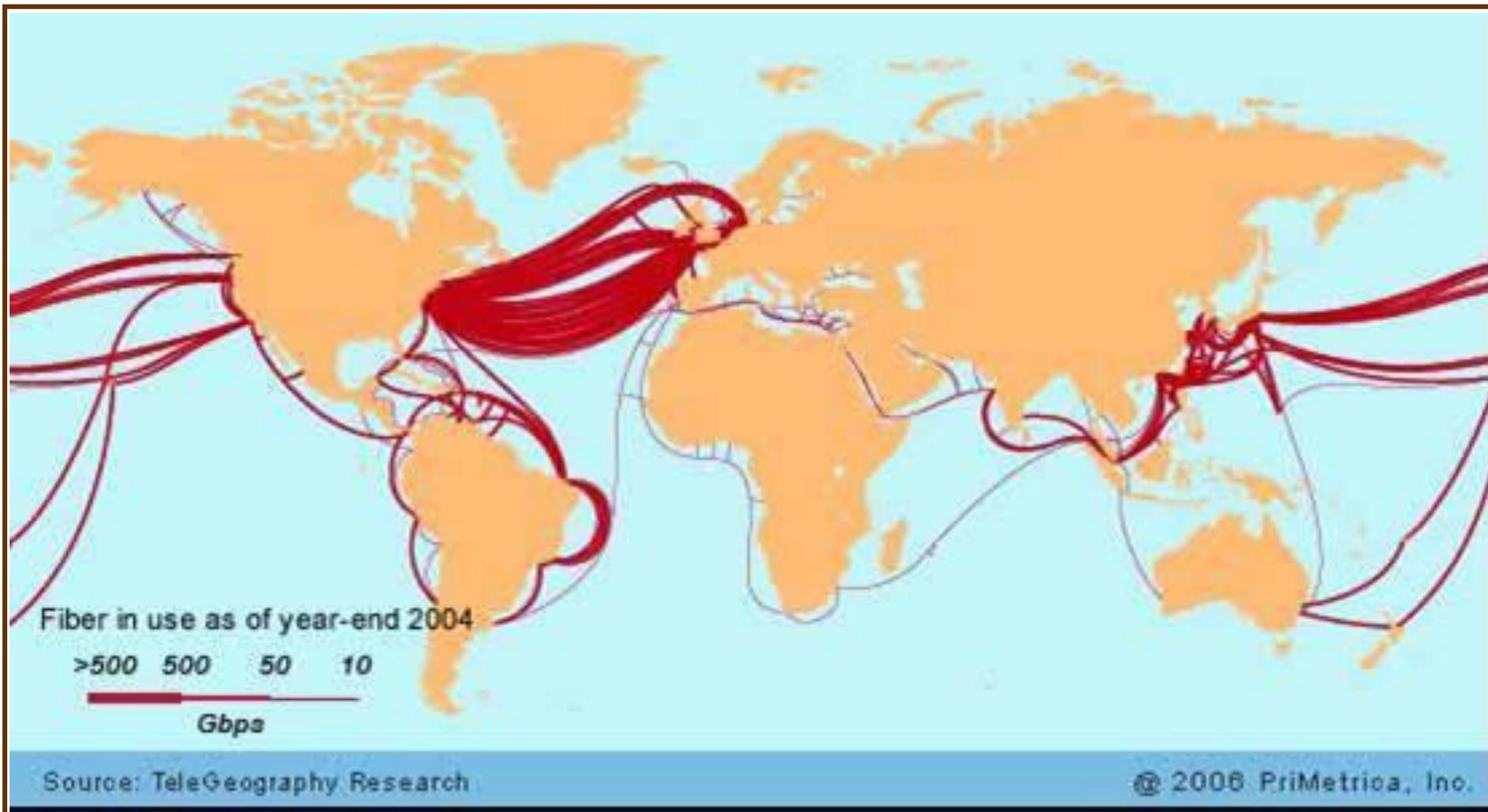9. 80 percent of the population of Mpumalanga to have access to broad by 2020

AFRICA CONNECTIVITY (2005)

Fiber in use as of year-end 2004

>500   500   50   10

Gbps

Source: TeleGeography Research

© 2006 PriMetrica, Inc.
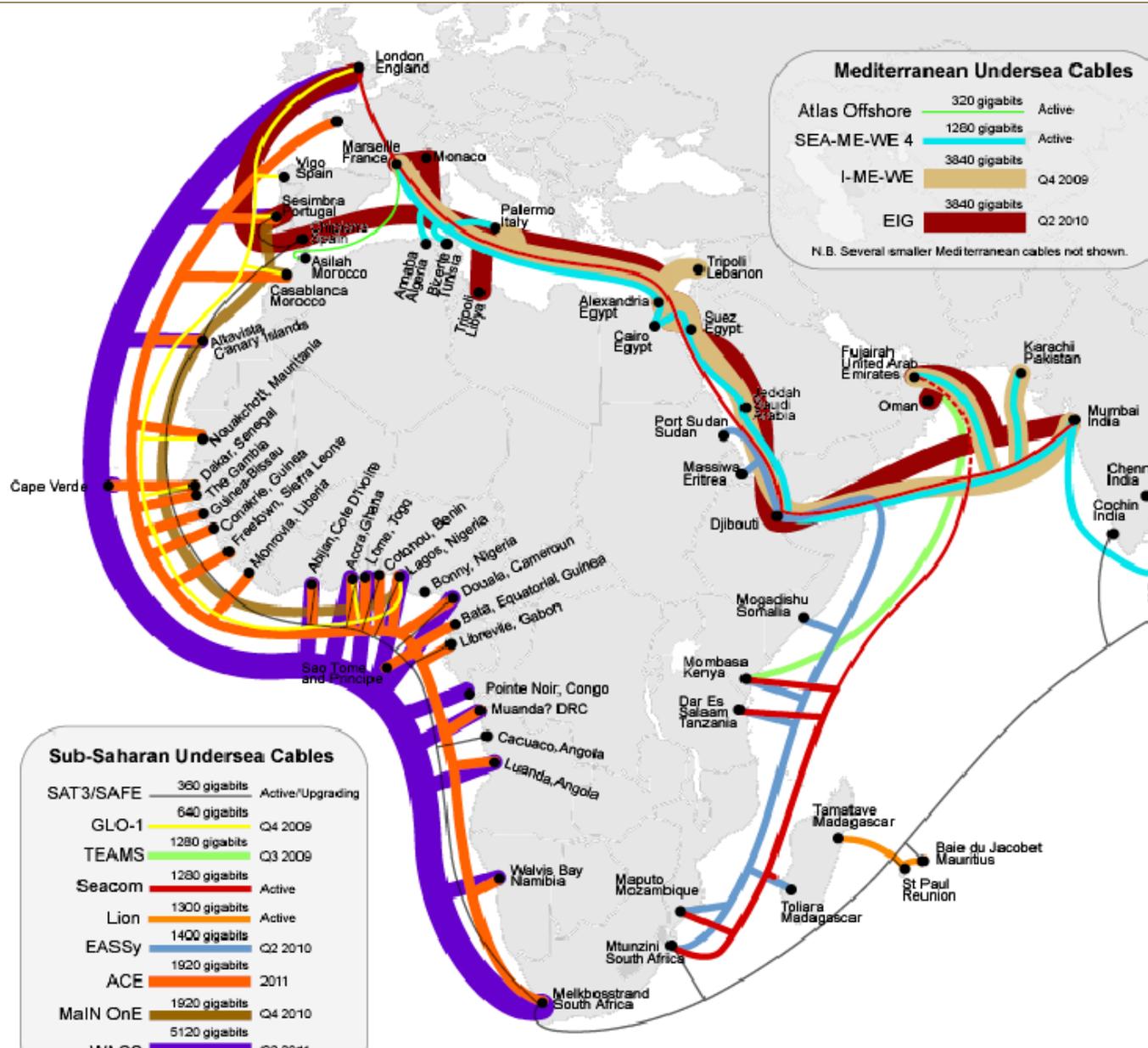
TELKOM COVERAGE

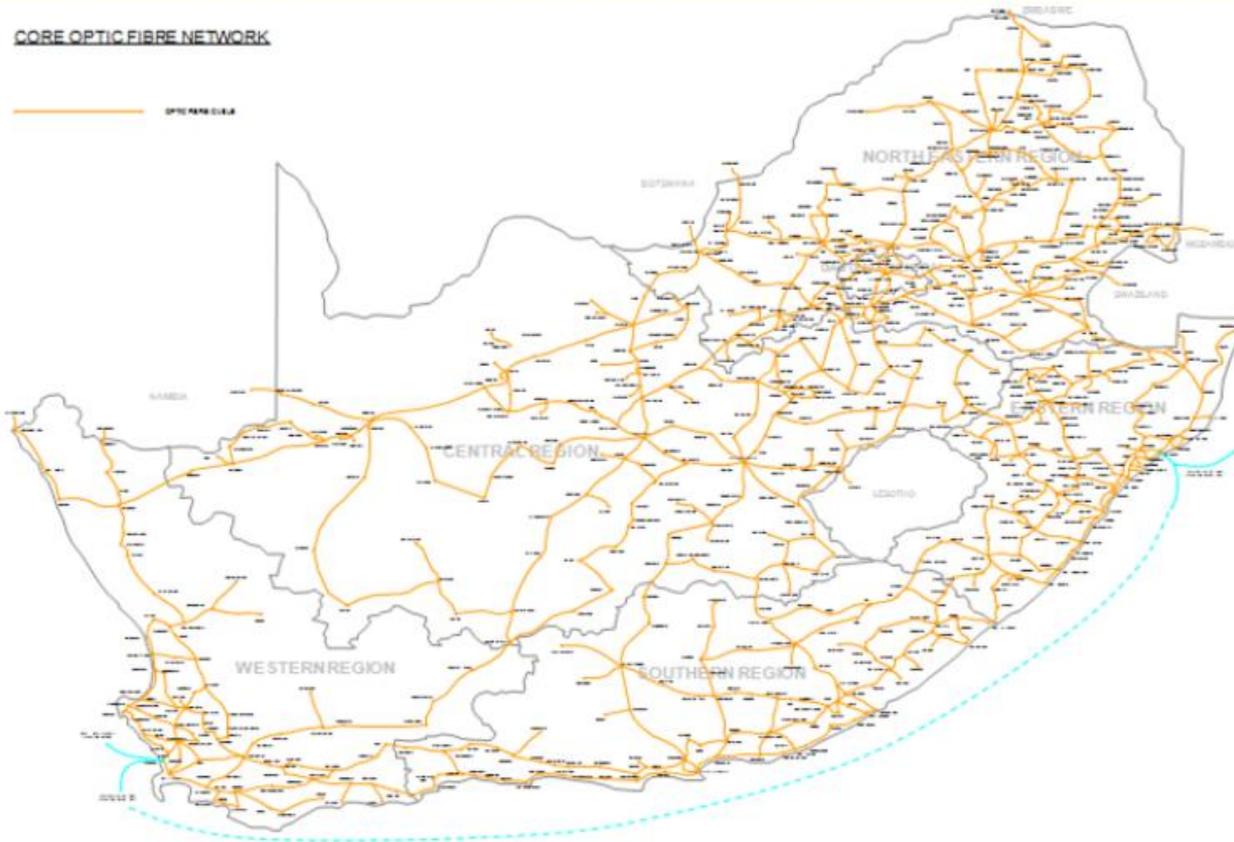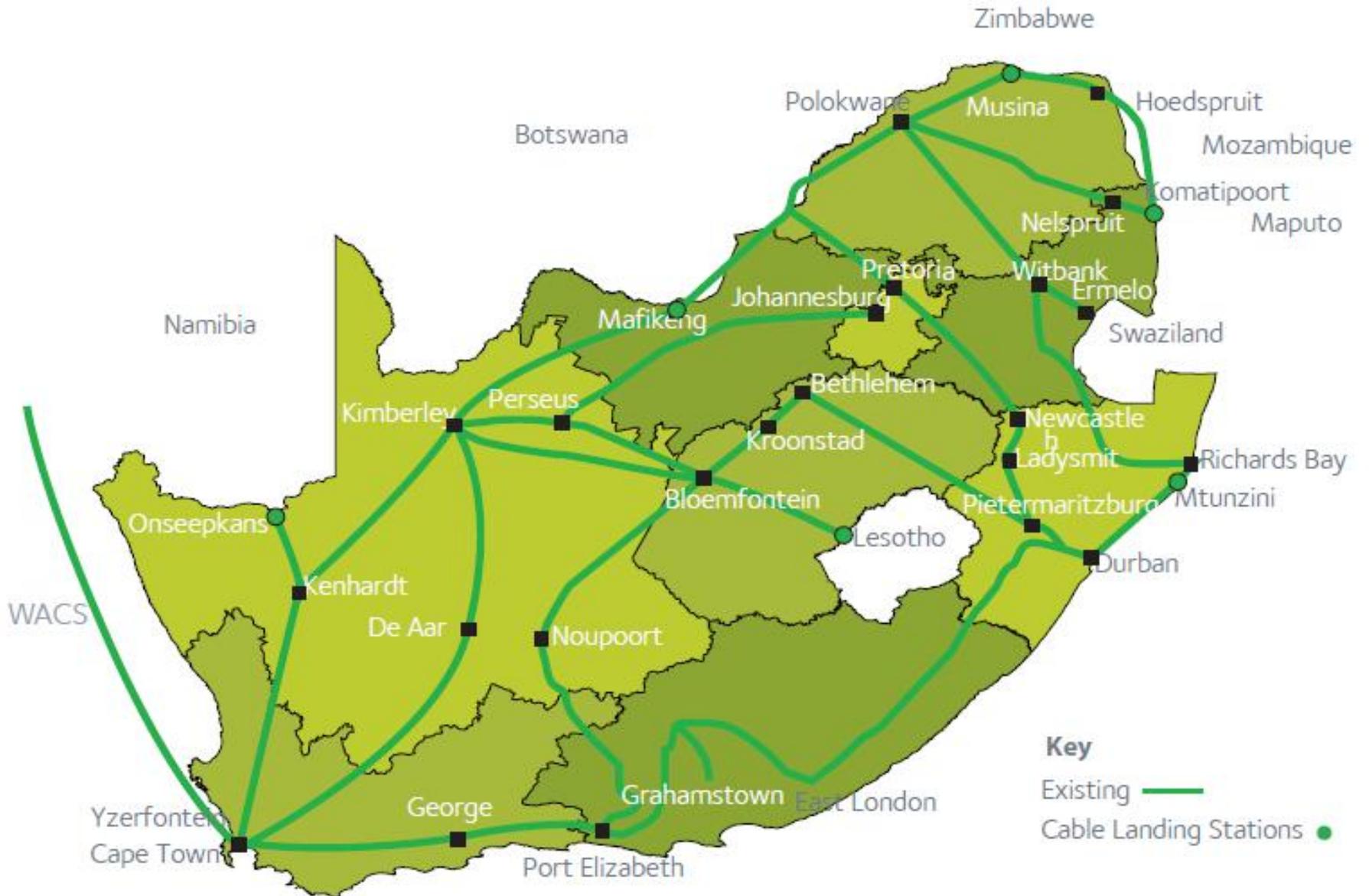NATIONAL & LOCAL TRANSMISSION NETWORK: CARRYING DATA TRAFFIC ACROSS 143,000 KM OF FIBRE

INFRACO COVERAGE

Key
Existing ——
Cable Landing Stations ●

COMPARATIVE ASSESSMENT 2006

HOUSEHOLDS ACCESS TO ICT				
PROVINCE	**LANDLINE AT HOME**	**ALL ACCESS TO PC**	**ALL ACCESS TO INTERNET**	**ALL ACCESS TO CELLPHONE**
Western Cape	40.4%	23.8%	14.1%	38.0%
Eastern Cape	10.6%	4.5%	3.1%	23.0%
Northern Cape	17.5%	9.3%	3.6%	18.9%
Free State	18.5%	10.2%	4.5%	26.3%
KwaZulu-Natal	12.5%	6.6%	2.8%	25.3%
North West	11.1%	3.7%	1.9%	27.9%
Gauteng	17.3%	15.5%	11.3%	43.8%
Mpumalanga	14.6%	6.3%	**3.8%**	25.5%
Limpopo	9.5%	4.7%	2.7%	29.1%
Source: USAASA 2006				

INTERNET ACCESS 2011

Internet access per province
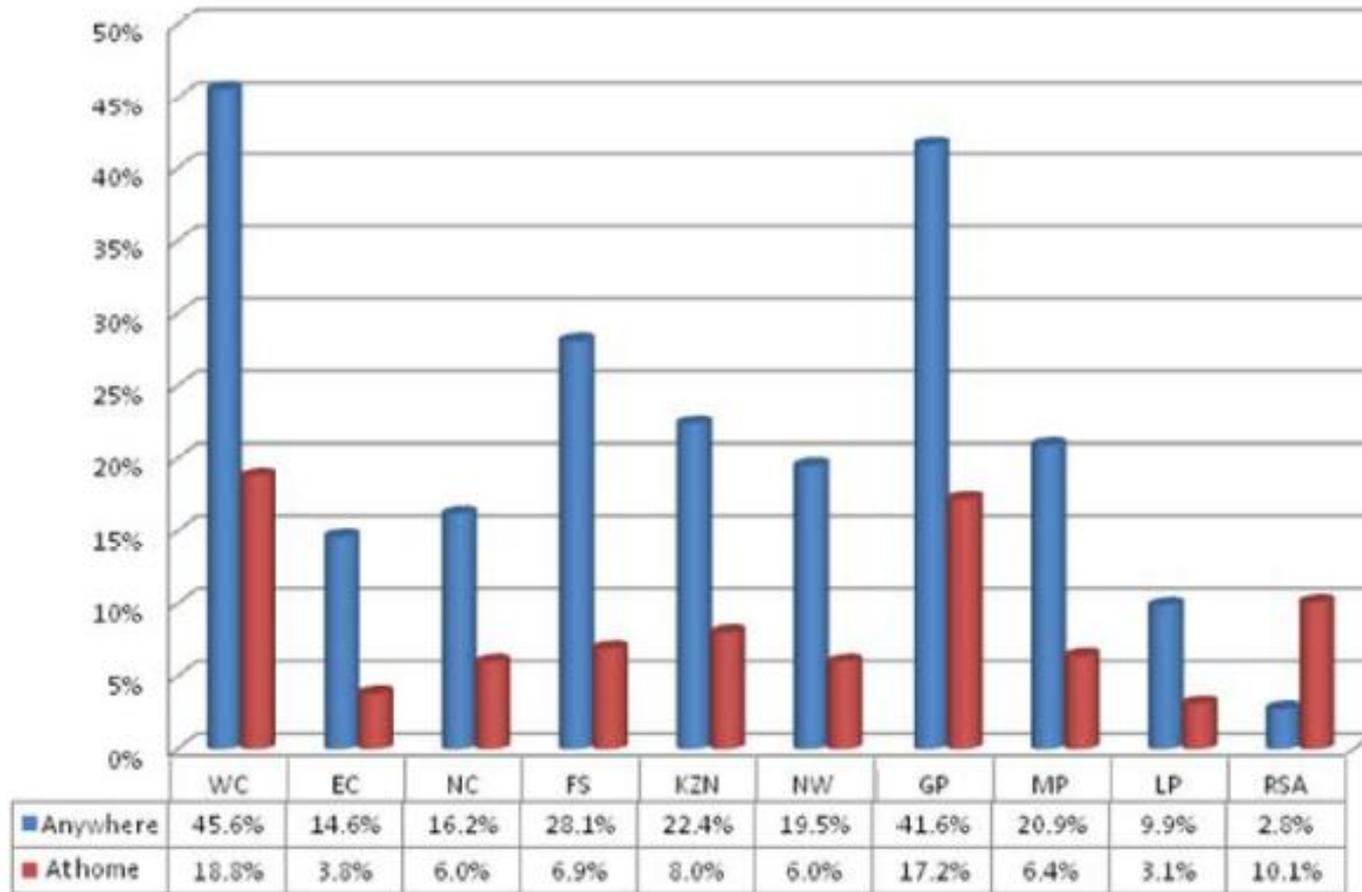
	WC	EC	NC	FS	KZN	NW	GP	MP	LP	RSA
Anywhere	45.6%	14.6%	16.2%	28.1%	22.4%	19.5%	41.6%	20.9%	9.9%	2.8%
At home	18.8%	3.8%	6.0%	6.9%	8.0%	6.0%	17.2%	6.4%	3.1%	10.1%

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MP ICT SPENT IN 2007-09

Mpumalanga ICT Business Spend (Rm) 2007/08	
ICT service Type	R(m)
Telecoms	
Mobile	526
Fixed voice	655
Internet access	110
Other data	218
Total telecoms	1,240
IT	
Hardware	704
Software	304
Services	559
Total IT	1,567
TOTAL ICT	2,807
Source: DEDET	

ICT expenditure within Mpumalanga Provincial government (0'00) 2008/09	
	2008/09
Mpumalanga	262 113
SA Total	3 475 754
Source: National Treasury	

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ICT COMPANIES BY INDUSTRY SECTOR

ICT Companies breakdown			
Description	ICT companies MP	% of SA total	SA total
Maintenance + repair of office, accounting+ computing machinery	14	5	309
Mfg of electronic valves and tubes and other electronic components	1	2	60
Mfg of insulated wire and cable	7	6	127
Mfg of office, accounting and computing machinery	46	3	1812
Mfg of TV+ radio receivers, sound/video recording/reproduction apparatus	5	4	118
Mfg of TV + radio transmitters + apparatus for line telephony + Telegraphy	1	4	24
Mfg of radio, television, communication equipment, medical, optical, watches etc	4	2	217
Post and Telecommunication	30	4	743
Renting of office machinery and equipment (including computers)	36	4	1011
Software consultancy + Supply	17	1	1185
Telecommunication	1	1	88
Wholesale Trade in office Machinery + equipment including computers	84	3	3309
ICT Totals	246	3	9003
Total number of Companies	21467	4	556034
% ICT companies in MP	1,1		1.6
Source: StatsSA, 2007			

Mpumalanga makes up about 4% of the ICT companies in South Africa
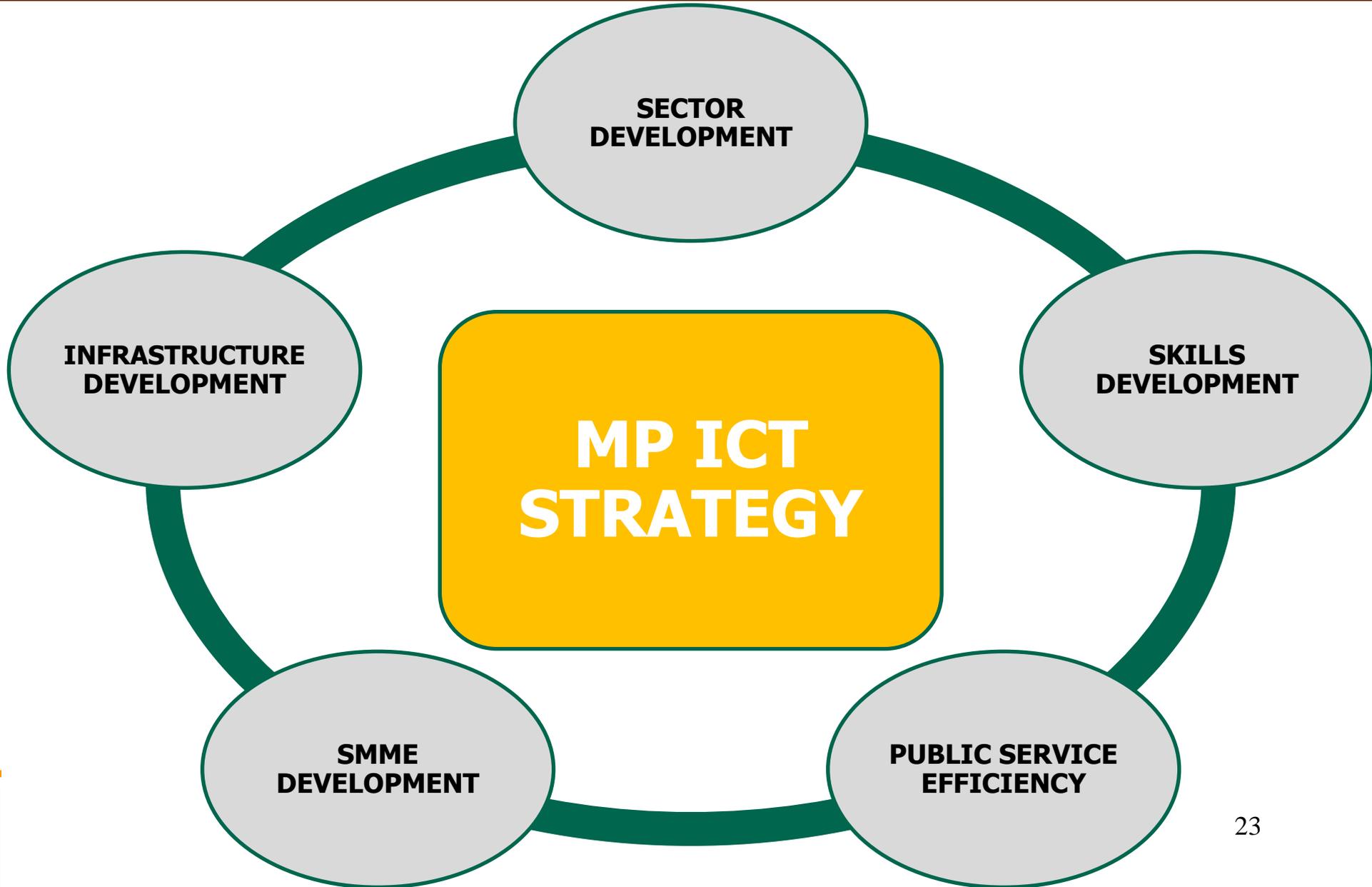
ICT IMPERATIVES

MP KEY IMPERATIVES

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PRIORITISED ICT PROJECTS

- Facilitation of the Provincial Broadband installation
- **Connecting schools, colleges, Academies, Health facilities, libraries**
- Community Information Hubs
- Innovation centre and skills development for SMMEs
- ICT HUB (University)
- DTT-DOC
- E-skills
- E-Government / E-Commerce Portal (all gov systems talk)

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KEY PROJECTS: 2013-14

	PROJECT	SECTOR	Pillar (s)
1.	Fresh Produce Market	Agriculture/Agro-processing	Rural Dev/ Production/Beneficiation
2	Lowveld Food Technology Centre	Agriculture/Agro-processing	Skills Dev & Capacity Build/ Beneficiation + Production
3	Forestry Technical Training	Forestry	Skills dev & Capacity Build
4	Wood SMME Incubator	Forestry	Production + Beneficiation/ Skills Dev & Capacity Build/ Rural Dev
5	Maths & Science Academy	Mining	Skills Dev & Capacity Build
6	Entrepreneur Development Centre	Mining	Skills Dev + Capacity Build Production+ Beneficiation
7	Water Infrastructure	Mining/ Energy	Infrastructure Rural Development
8	Water Reclamation	Mining/ Energy	Infrastructure
9	Energy Efficiency-Retrofitting	Energy & Green Economy	Infrastructure
10	Tourism Infrastructure	Tourism	Infrastructure Rural Dev Production+ Beneficiation
11	ICC & Tourism Dev Node	Tourism	Infrastructure
12	High Altitude Training Centre	Cultural Industries	Infrastructure
13	Mpumalanga University	All Sectors	Infrastructure
14	Komatipoort Dry Port (SEZ)	Agro-Forestry-Transport-ICT	Infrastructure

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