

South Africa and Africa: Preferred Partner and Partner of Partners for FP7 Overview of Southern Africa ICT R&D landscape

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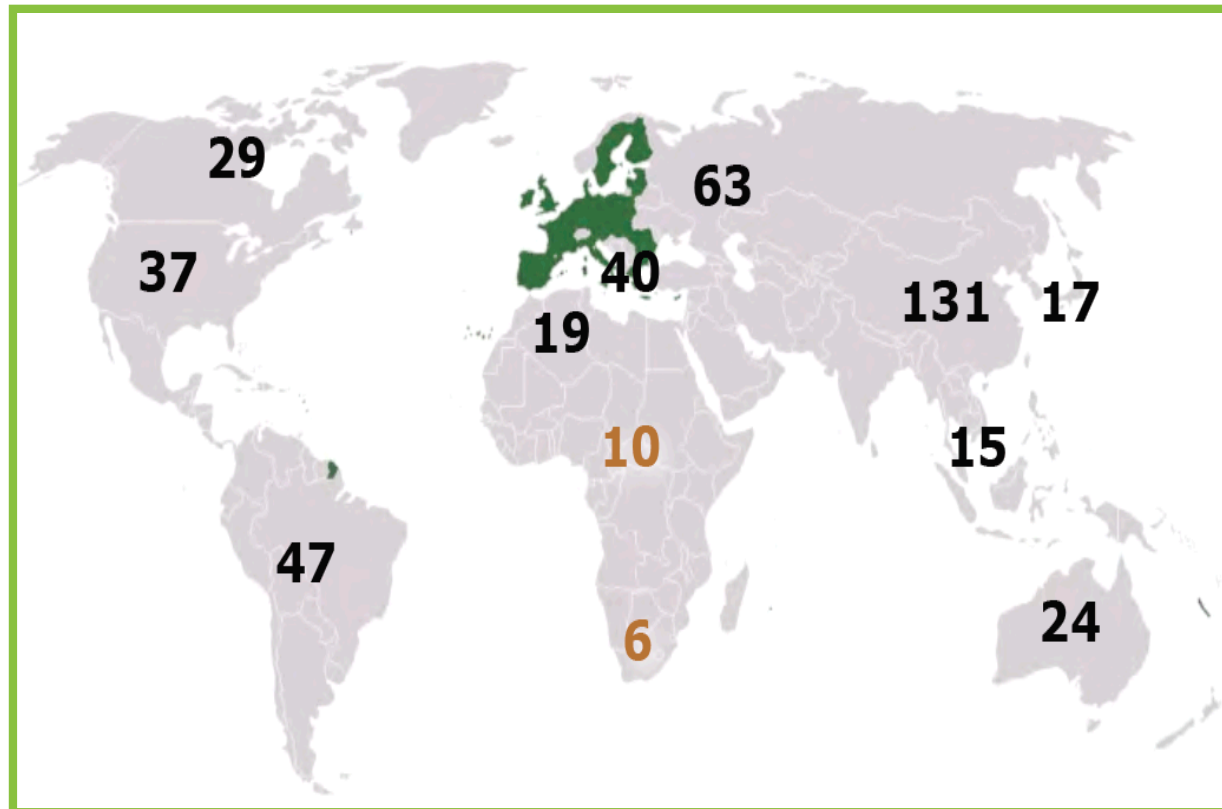


Why partner with South Africa and Africa in FP7?

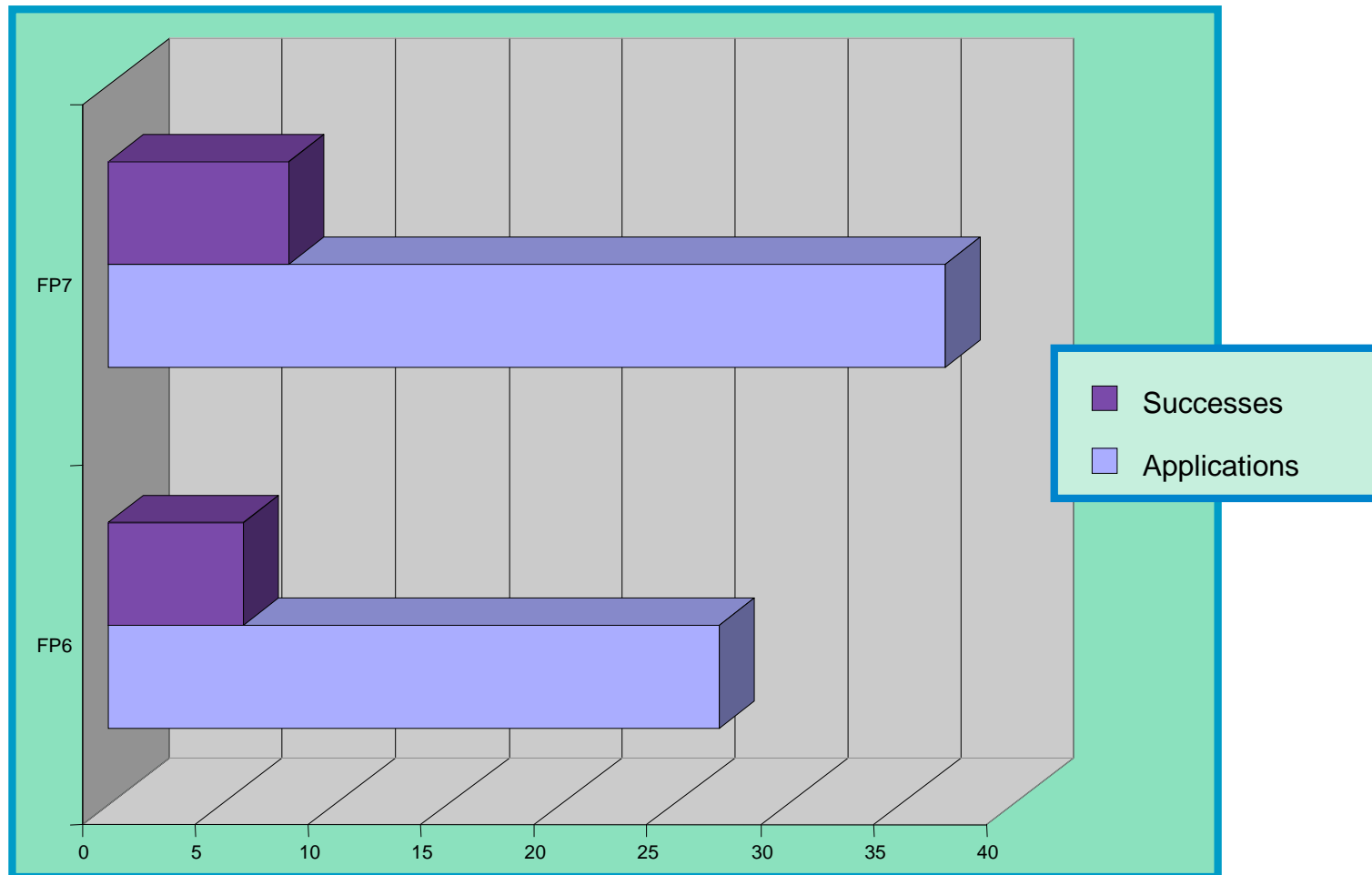
- Willingness
- Experience
- **Capability**
- Opportunity
- Adding value
- Partnerships
- Platforms



Experience: Africa in FP6



Experience: South Africa in FP7 after Call 1



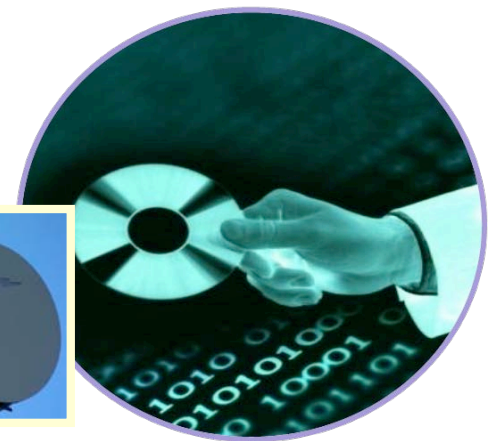
Overview of ICT R&D in Southern Africa

- All Southern African Countries recognise ICT as a key driver for growth and addressing quality of life
- Some countries, e.g. Mauritius, South Africa have ICT R&D strategies focused on building world class ICT industry
- Growing number of ICT R&D institutions at various levels of development, e.g. MICTI, Meraka
- Regional initiatives providing focus (Wireless Africa)



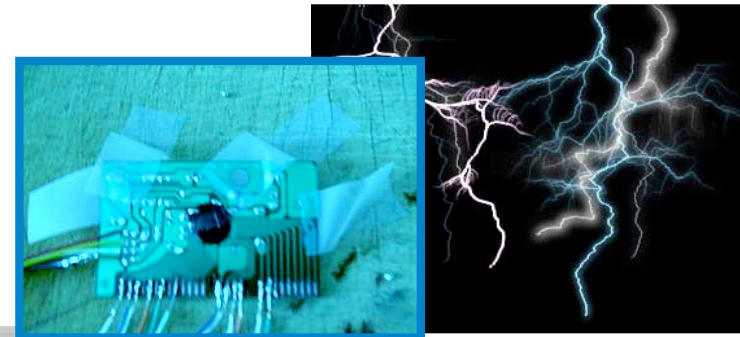
Overview of ICT R&D in Southern Africa

- Guided by continental strategies e.g. NEPAD S&T CPA
- Strong application focus, especially in MDG, quality of life and ICT4Development arenas
 - ICT has the ability to make significant positive impact in development
 - ICT seems “easy” and “fast” technologies to take through from Research to Development to Implementation
- Lower levels of Human Capital and Research Investment than desired
- Growing sense of importance of partners

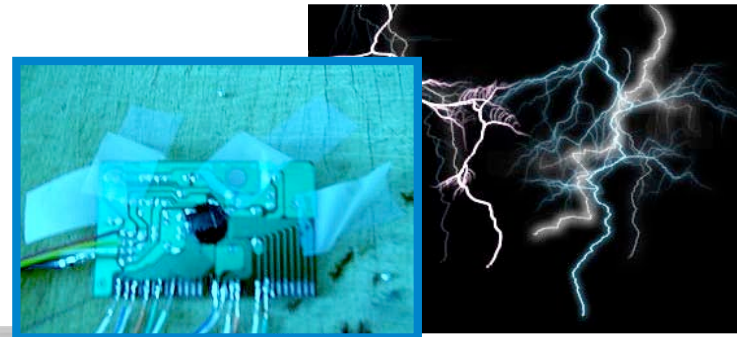


Overview of ICT R&D in Southern Africa

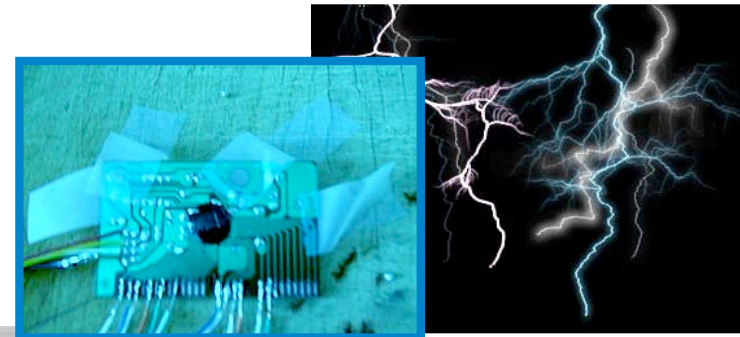
- Asymmetric representation
 - SA – Investment in R&D % of GDP ~ 1% and growing
 - SADC average << 0.5%
 - SA – 0.5% of global knowledge production
 - Rest of sub-Saharan Africa <<0.1%
- Leads to responsibility on SA to support S&T growth in region – African Advanced ICT Institute (Meraka)
- FP7 a key vehicle for combined growth (e.g. IRMA)



- Living labs approach gaining momentum e.g. 3 in SADC in EU list of living labs (e.g. Sekukunhe)
- Application driven areas:
 - Wireless and communication networks
 - e-Health
 - e-Education/learning
 - Small business enablement
 - Disaster management
 - Dealing with global change
 - People living with different abilities
 - ICT in (Manufacturing, agriculture...)
 - ICT in Government

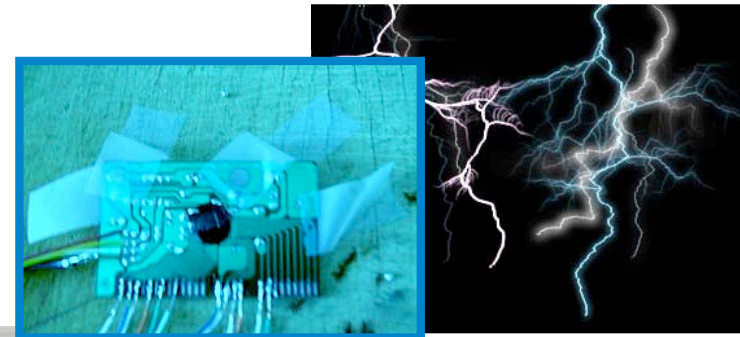


- Living labs approach gaining momentum e.g. 3 in SADC in EU list of living labs (e.g. Sekukunhe)
- Research driven areas:
 - Software engineering
 - Security and trust
 - Human language technology
 - Scientific computing and research infrastructure
 - Remote sensing
 - Modelling and analysis
 - Systems and components
 - Mobile systems



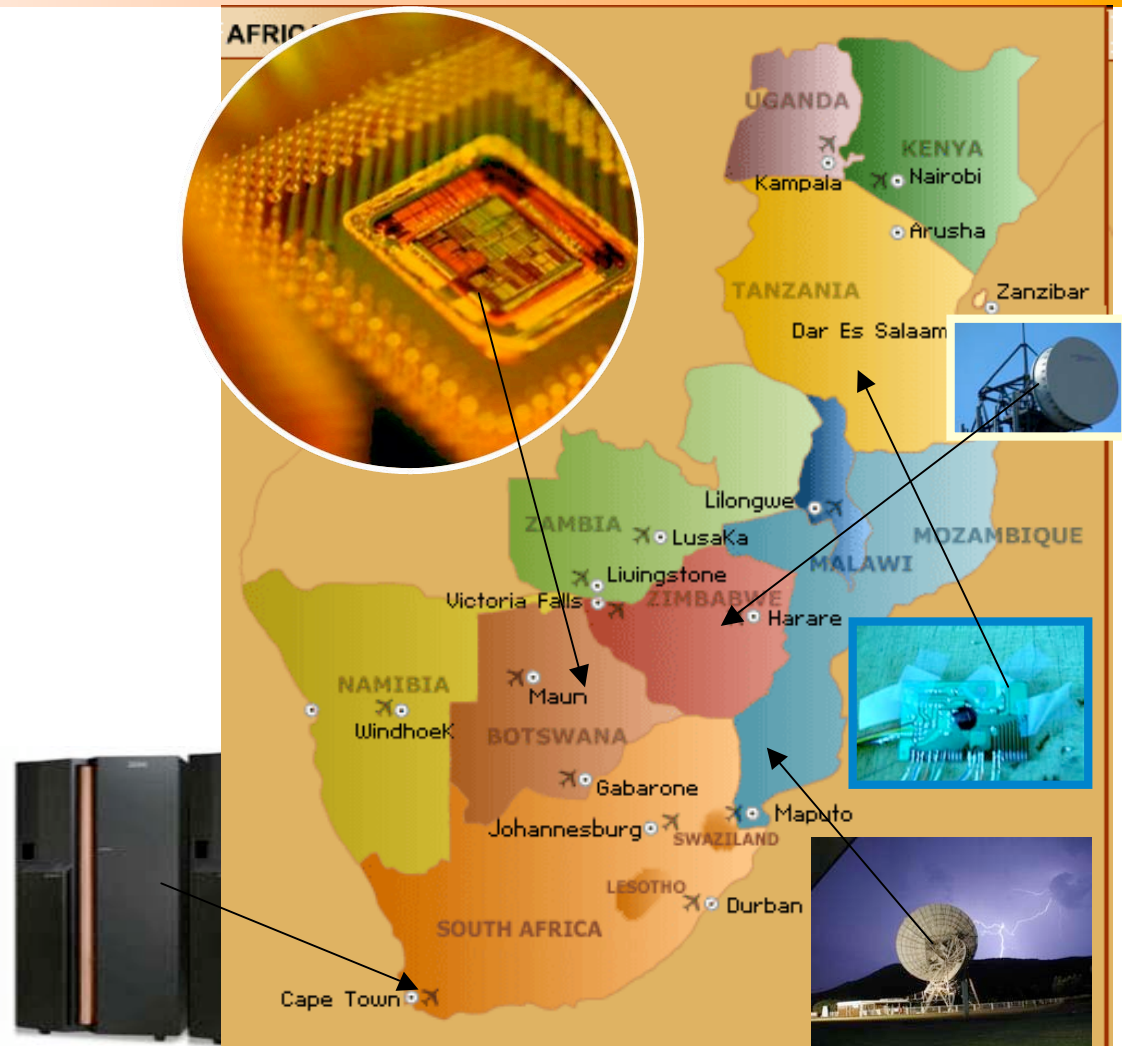
Overview of ICT R&D in Southern Africa: Platforms

- Significant "soft" platforms for collaboration
 - ESASTAP, SAFIPA, SAFETI, ST-EAP, AfricaConnect
- Institutions as platforms
 - Dedicated: Meraka, MICTI, BOTECH
 - 26 universities (2 in Top 500)
 - Living labs
- Partnerships as platforms
 - SAP/Meraka UTD
- Infrastructure
 - HPC (BG4Africa initiative)
 - SANReN
 - World class (128 in Top 500)
 - Wireless test beds etc.

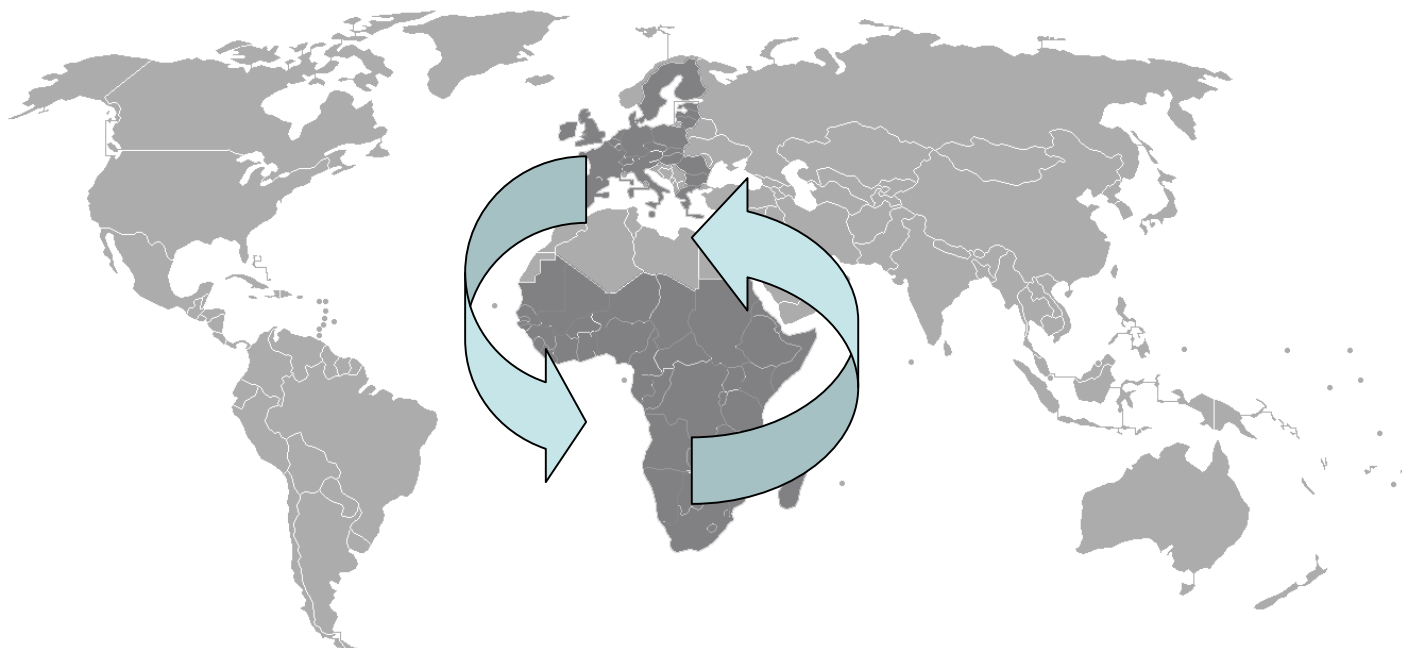


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Thank you for your attention! Do you have any questions?



Contact us at info@euroafrica-ict.org

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