

Internet of Services for Developing Countries

SYSTEMATIC THOUGHT LEADERSHIP FOR INNOVATIVE BUSINESS



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November 3rd, 2010



- Currently BRICS has a population of 2,9bn⁽¹⁾ and a combined GDP of €13.2 trillion (compared to €10 trillion in 2007) approx. 24% of world GDP⁽²⁾
- Estimated that BRIC GDP will equal that of G7 countries by 2025⁽³⁾
- ICT spend in 2009 was €313bn⁽⁴⁾
- According to Megamodel, the total estimated ERP market in BRICS countries was €4,2bn in 2008, moving to €5,2bn in 2011

¹CIA World Fact Book 2009 / ²IMF 2009 / ³Goldman Sachs 2003 /

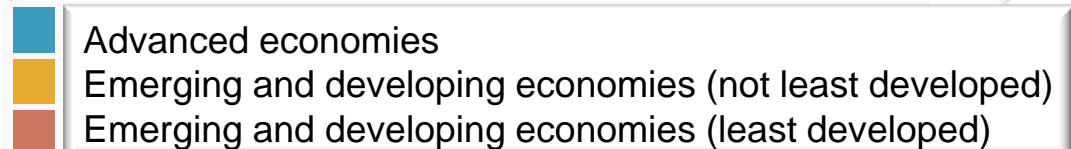
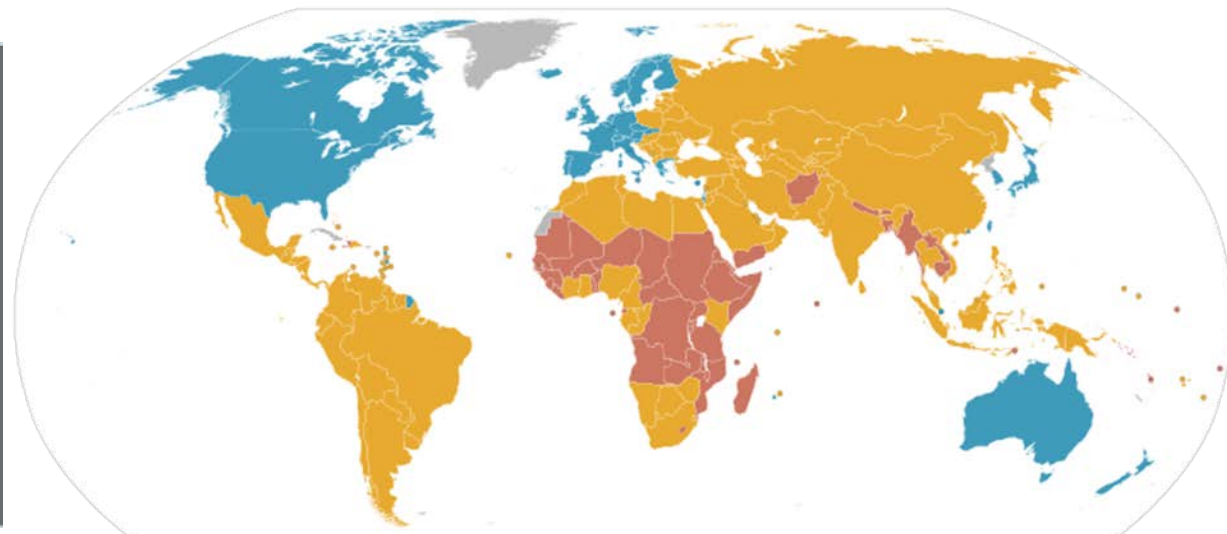
⁴EITO Special Report 2009

What is an Emerging Economy?

"... countries that have sustained economic growth over a number of years, with a low to moderate income per capita and human development index, showing good economic potential.... regions of the world that are experiencing rapid informationalisation under conditions of limited or partial industrialization." ⁽¹⁾

What is BRICS?

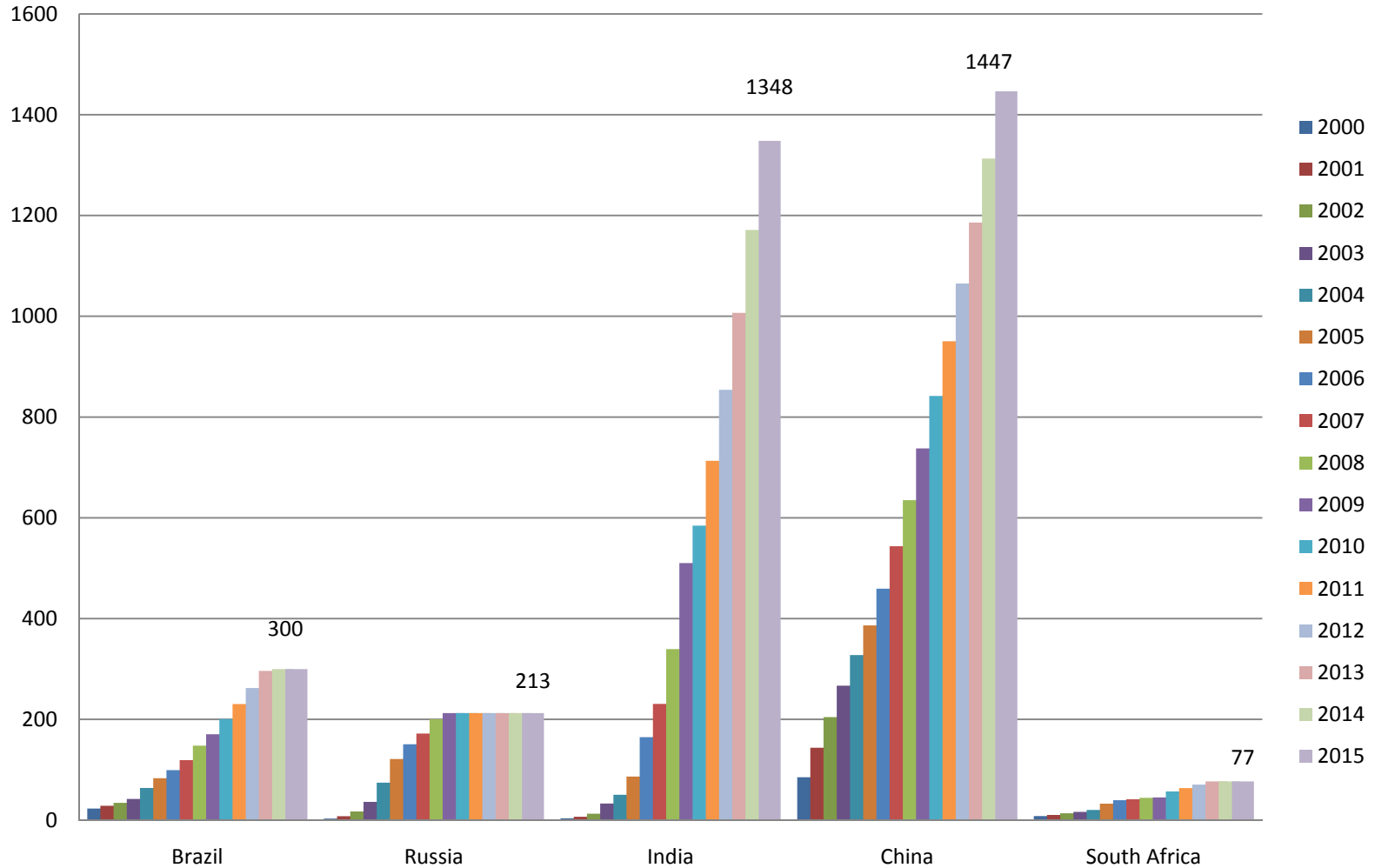
In recent years, new terms have emerged to describe the largest developing countries such as BRIC (Brazil, Russia, India, China) BRIMC (with Mexico) and BRICS (with South Africa)⁽¹⁾



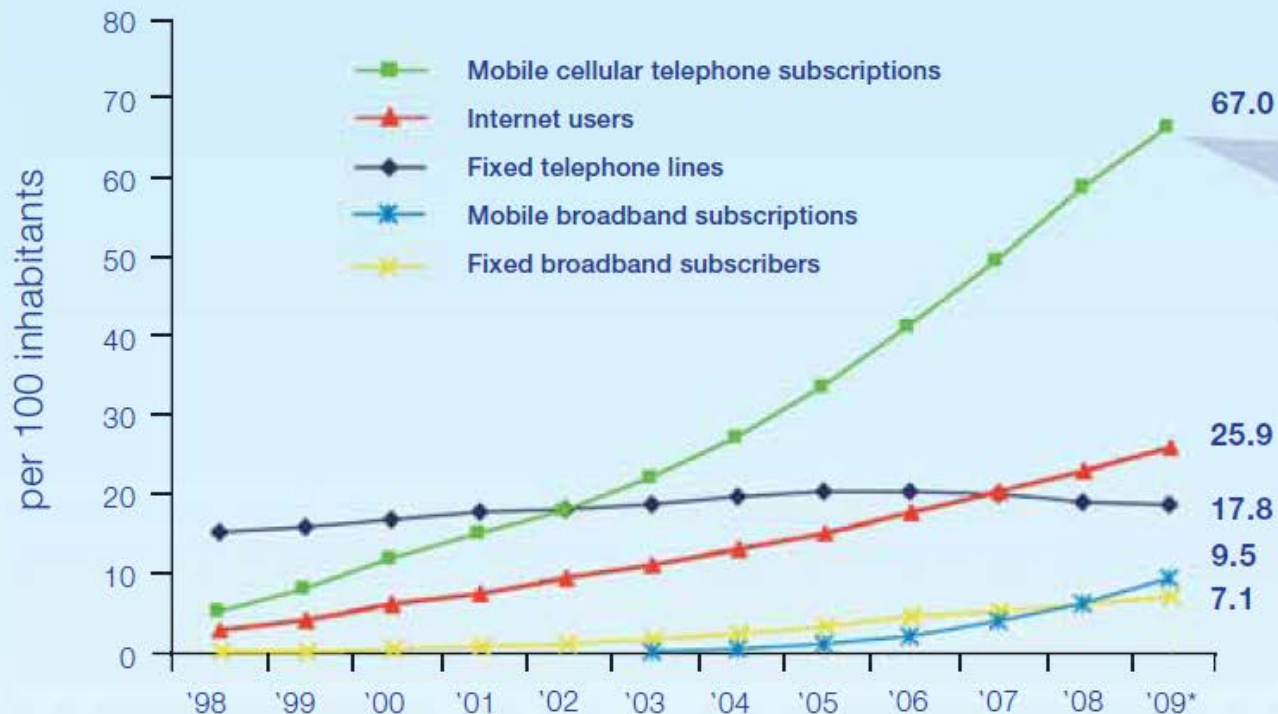
- Estimated number of SMEs - >50m
- On average, SMEs contribute 34% of BRICS GDP
- Contribution to employment in excess of 60%
- The majority of SMEs are Very Small Enterprises (VSEs)



BRICS – Mobile Phone Penetration in Millions of Subscribers in 2015



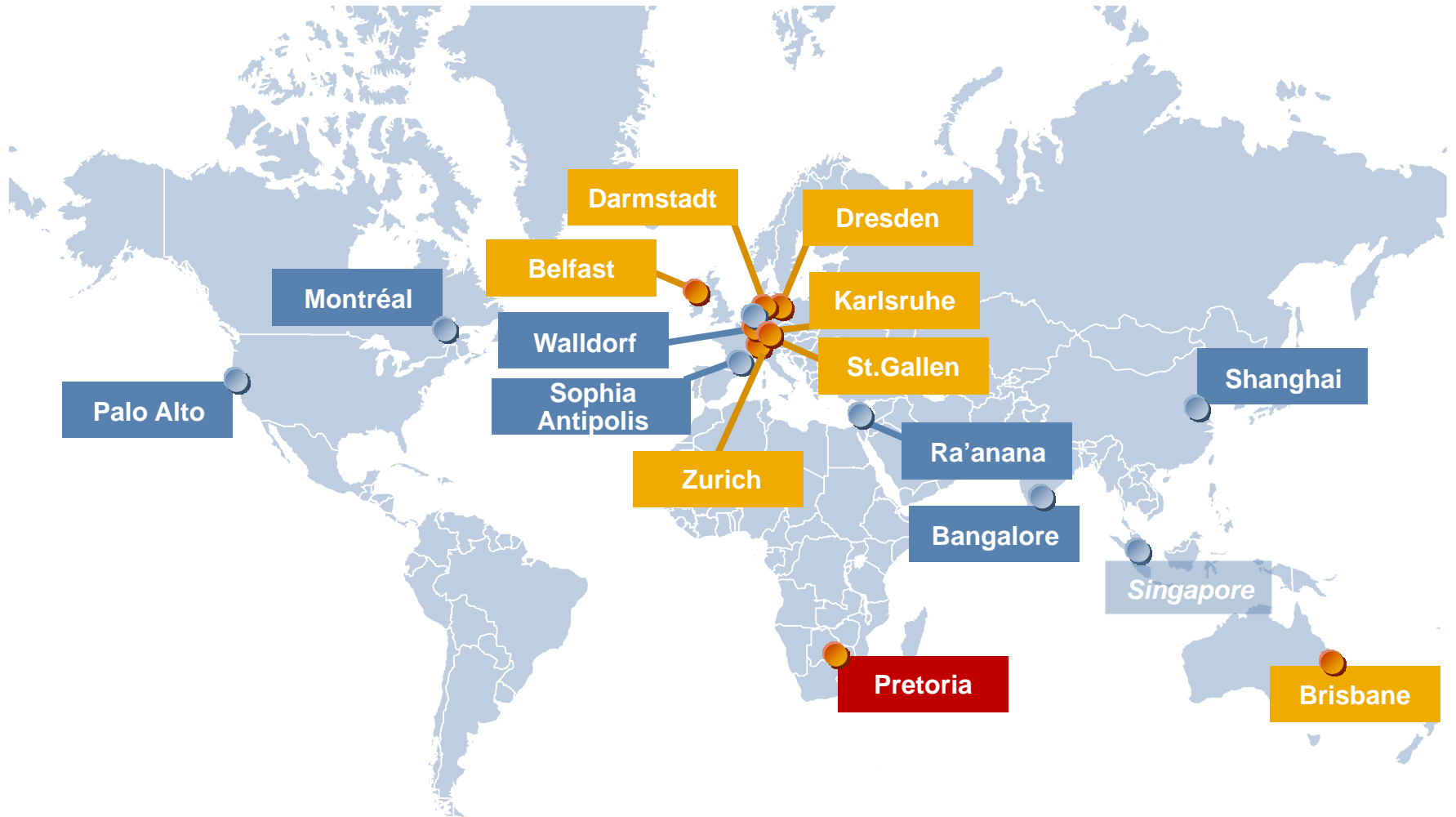
A decade of ICT growth driven by mobile technologies



An estimated 4.6 bn subscriptions globally by the end of 2009

Source: ITU World Telecommunication/ICT Indicators Database.

* Estimates.



- SAP Lab-based Research Centers
- Campus-based Engineering Centers

Contribute to Socio-Economic and the Development of Advanced Human Capital in Africa

Masters and Student Intern Programmes

PhD, Post-Doc Programmes and Joint University Appointments

Initiatives to assess the impact of ICT on socio-economic development



Realised the importance of ICT4D and shortage of Advanced Human Capital in Africa

Contribute to the Building of Local Research Capacity to Address Topics Related to ICT4D and Emerging Economies

Collaborate with SA Department of Science and Technology (DST)

Establish local research ecosystem and BRICS Research Interest Group (RIG)

Engage in university collaboration – locally and internationally



Realised that higher education and research organisations should collaborate to build capacity

SAP and The Emerging Economies Dilemma



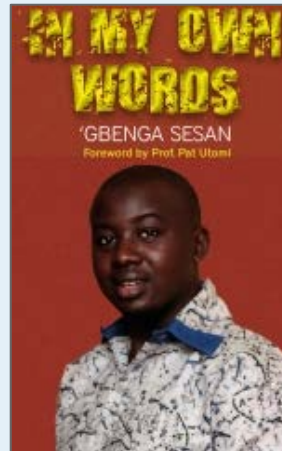
“We believe that technology has a large role to play in developing regions, that ‘First World’ technology to date has been a poor fit in these areas, and that there is thus a need for technology research for developing regions...”



... Although it is clear that there are large differences in assumptions related to the cost, power, and usage, there has been little work on how technology needs in developing regions differ from those of industrialized nations. We argue that Western market forces will continue to meet the needs of developing regions accidentally at best.”⁽¹⁾



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Thank you!



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