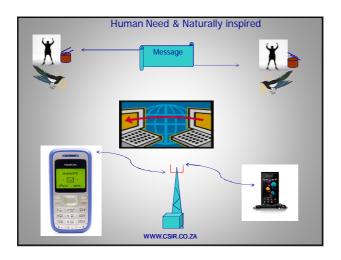
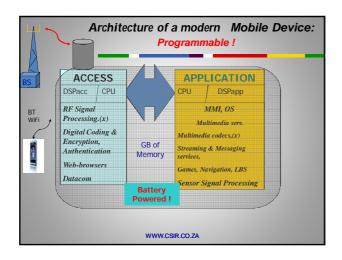


Issues The Technology & Value Chain of Mobiles Mobiles as service platforms Explosive, Disruptive & Constructive Multidisciplinary Research The new frontier Innovation & Creativity Shift Improving the Socio-economic impact Strategies for sustainability Enabling Policies

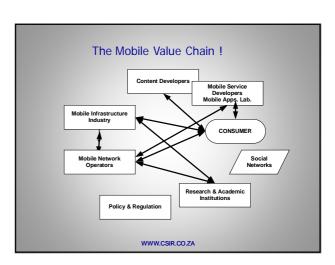


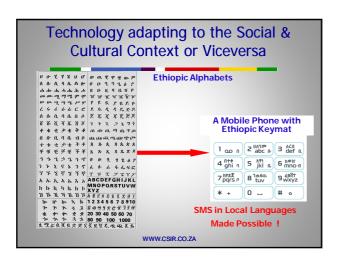




Mobiles as Service Platforms • High Penetration > 4.5 billion users (ITU) - Price/Performance vs PCs - Coverage > 95 % in many areas of the world. • Time & Geo unlimited service • Programmable : - Local language adaptation • Sensor Integration – Eye/ear/sensor in every corner.







Multidisciplinary Research

- Science without humanity is lame; Humanity without science is blind.
 - Albert Einstein.
- Better socio-economic competitive model!
 - Call of the earth & users Sustainability *
- Security of mobile devices & services vs Usability.raising vs lowering the barrier **
- Strategies for HCD and enabling policy for sustainable economic development. ...wB_Mlab

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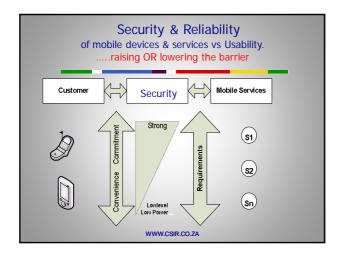
Improved Socio-economic Competitive Model

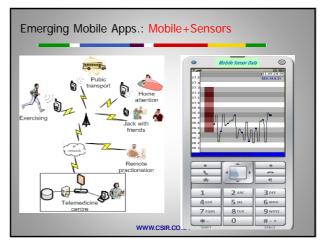
- Network Operators working in Silos
 - No-longer cost effective & environmentally sustainable.
- Mobile Broadband (3-4G) Model
 - Sharing Network but still Competitive
 - Lower CAPEX & OPEX => low service cost
 - Lower Energy Requirement
 - Environmental Sustainability

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Case of two EU Operators Network Sharing Agreement

- Network Operators T-Mobile & 3-UK
- CAPEX & OPEX reduction
 - ~ 2 Billion Euros =>
- Reduction in BS count
 - ~ 5000 BS sites =>
- Estimated 30 % Reduction in Energy Consumption.www.mobileurope.co.uk...
- Network sharing in dev. Countries ?? .. India





Emerging Mobile & Sensors Apps.

(GPS, Accelerometer, Camera, Microphone,....)

- Intelligent data collection and Mobile Intelligent Systems R&D at the MIT Media Lab.
 - CDR data from mobile operators used to analyze town planning and traffic patterns.
- Mobile & Embeded Networked Sensors, University of California Los Angeles, UCLA, CENS.AC.COM.
 - The citizen scientist, health, epidemiology & environment monitoring...

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Collaborative Research Network

- Develop multidisciplinary research around mobiles as service platforms. - wiser/csir/hsrc
- Strategies for research & HCD
 - Multi-disciplinary Research => Input to Innovate Mobile Platforms & Software Development.
- Become partners for affordable, secure local content and mobile service research =>
 - Sustainable service development & provision Contribution to knowledge economy

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Conclusion

Public & private research enterprise partnership

- Multi-disciplinary research networks
- Sources of new Innovation & Creativity.

Work for a win-win long-term enabling policy & Regulatory frameworks.

- We need a change "Yes We Can!"
- Strategy for HCD in Innovative Mobile Service Development Improve Socio-Economic Impact of mobiles as Service Platforms.

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