



**Digital World Forum**  
*on Accessible and Inclusive ICT*

**Opportunities of Low Cost Technologies in  
Business Development**

**Segopotso Moshapo**

*SAP Meraka Unit for Technology Development, South Africa*



# Digital World Forum



## An FP7 Funded Project

- **Support Action for International Cooperation**
- **Focus on Sub-Sahara Africa & Latin America**
- **Start Date: 2008 – 01 – 01**
- **End Date: 2009 – 06 – 30**

## Project Objectives

- **Build a Global Community**
  - On advancing low cost ICT solutions for socio-economic development
- **Definition of Technology Research Roadmaps**

# Research Domain and Scope

## The potential of “Low Cost ICT” in Bridging the Digital Divide

- **Deployment of essential services in marginalised communities**
  - Healthcare, Education, Public Administration & Business Services
- **Leveraging International R&D Initiatives**
  - North-South and South-South Research Collaborations

## Three Technical Work Packages (WP)

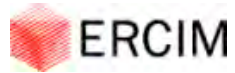
- **WP1: Mobile Web Applications**
- **WP2: Low-Cost Laptops**
- **WP3: Low-Cost Broadband Infrastructure**



# Consortium Partners

**8 Partners from 6 Countries**  
*Three African Countries Represented*

**France**



**Spain**



**Italy**



**Ghana**



**Nigeria**



**South Africa**



# Mobile Networks: Platform for Service Delivery



- **GSM Networks Enjoy Wide Deployment**
  - 2.7+ Billion mobile phones in the World
    - GSM networks cover >80% of World Population

Join us in Work Package 1 to expand on challenges and develop research roadmap on “Web Applications for Socio-Economic Development”

- ... **but significant challenges**
  - Business Models for service provision
  - Interaction capabilities...



**meraka**  
I N S T I T U T E

# Low Cost Computers: Enhanced Accessibility

## “Low cost PC-type” devices hitting markets

- Harness wide scope of PC based solutions

Join us in Work Package 2 to expand on challenges and develop research roadmap on “Low Cost Computers” for Socio-Economic Development”

... But what do these solutions offer development

- Mostly in early stages of development



XO



ASUS



VIA Nanobook

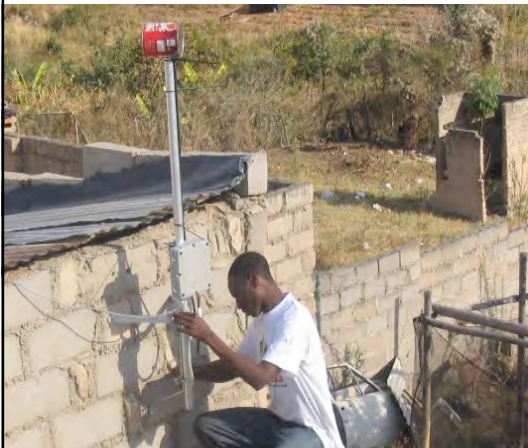


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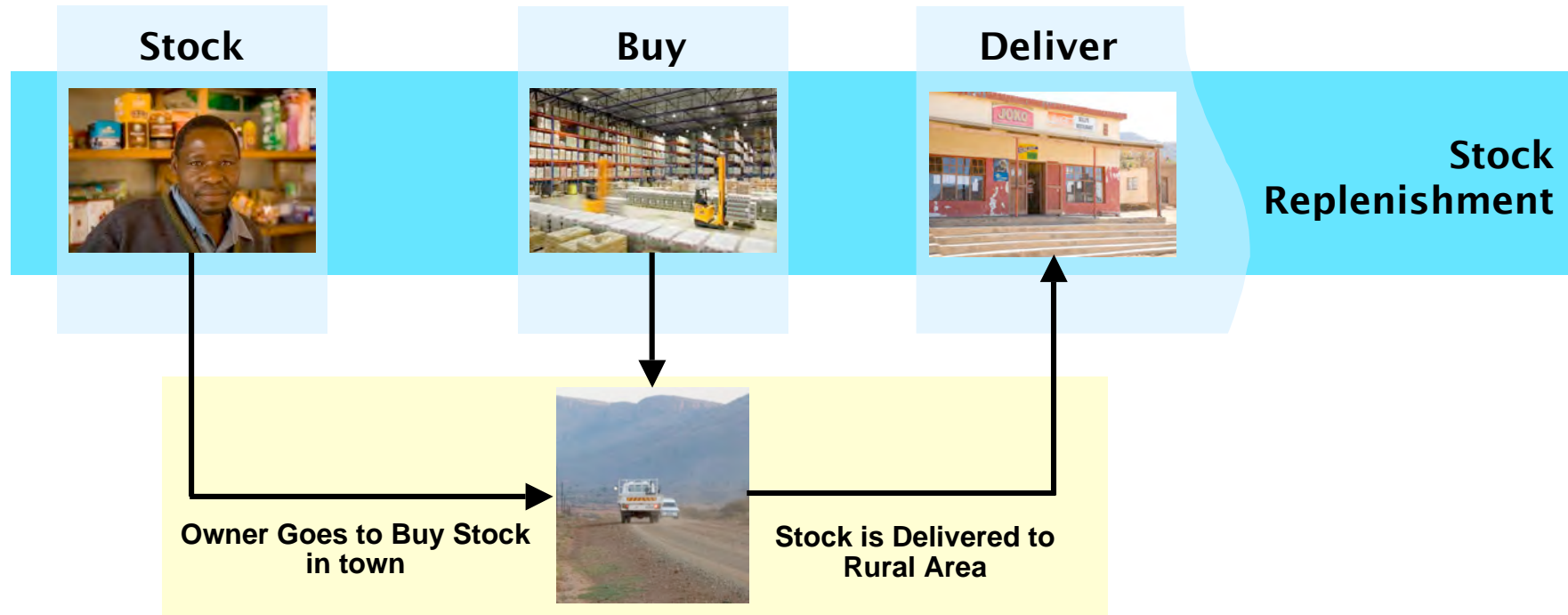
Intel Classmate

# Broadband Infrastructure: Inclusive ICT



- **Enhance Deployment of Broadband Infrastructure**
  - Lowering the cost of last mile infrastructure
    - ... leverage the success of GSM wireless?
- **Er**
  - Join us in Work Package 3 to expand on challenges and develop research roadmap on “Low Cost Broadband” for Socio-Economic Development”
    - Well known applications in education, healthcare
    - ...appropriate business models?
- **... significant challenges**
  - Business Models for infrastructure provision

# Scenario from C@R Project

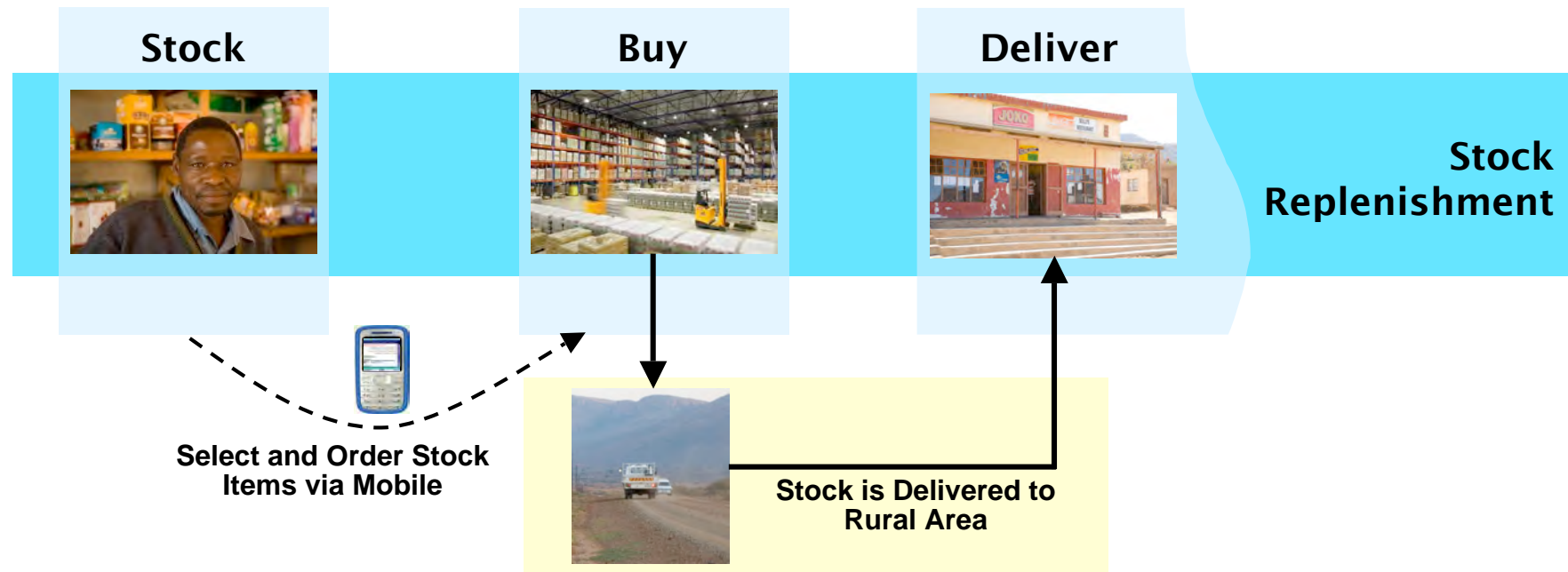


**Transport is a Critical Cost Factor**

## Replenishment of Stock Items in Rural Area Groceries Shops

- ❑ Wholesalers are typically more than 30km away from rural area
  - ❑ **Shop owners buy stock in small quantities and quick cycles**

# Sharing Costs of Service in Value Co-Creation Networks



## Possibilities of Sharing Cost of ICT According to Value Created

- ❑ Can cost be distributed appropriately amongst node of a value creation network?
  - ❑ Would wholesalers subsidise shop owners access to ICT?

# Participating in Digital World Forum

A public Website: <http://www.digitalworldforum.eu>

- Announcements about future events
- Public Documents
- Discussion Forum

## Public mailing lists

- [\*Digitalworld-access-public@ercim.org\*](mailto:Digitalworld-access-public@ercim.org): discussion on broadband access technologies
- [\*Digitalworld-laptop-public@ercim.org\*](mailto:Digitalworld-laptop-public@ercim.org): discussion on low cost laptops
- [\*public-mwi-ec@w3.org\*](mailto:public-mwi-ec@w3.org): discussion on Mobile Web Applications
- Enquiries: [\*digitalworld-contact@ercim.org\*](mailto:digitalworld-contact@ercim.org)



THANK YOU

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