

CSTD 2013–2014 Inter-sessional Panel 2–4 December 2013
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Overview:

- Effective Policies for Promoting ICT Development
- Kenya National Broadband Strategy
- Colombia Vive Digital Program
- Indonesia Broadband Plan
- I, ME, MINE

Effective Policies for Promoting ICT Development

- Best Practices = Best <u>Processes</u>
 - National Broadband Strategies/Plans, Digital Agendas, etc.: Getting from Objectives to Outcomes
 - ✓ Structured, formal processes (Steering Committee)
 - ✓ High level authority and support
 - ✓ Open, inclusive, consultative
 - ✓ Establish objectives, targets, timetables
 - ✓ Market status and gap analysis
 - Costs and financing
 - ✓ Action Plans

Effective Policies for Promoting ICT Development

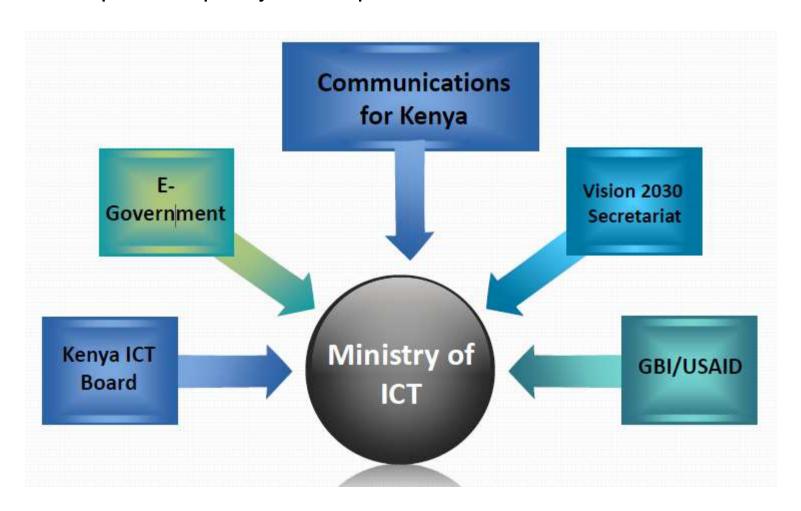
- Ecosystem Approach
 - Ensure comprehensive and coordinated incorporation of all interrelated elements
 - ✓ Supply and demand
 - ✓ Infrastructure, access, services, devices
 - ✓ Policy and regulation
 - ✓ Applications, content
 - ✓ Capacity building, digital literacy
 - ✓ Funding sources and mechanisms

Effective Policies for Promoting ICT Development

- Stakeholder Roles
 - Provide inputs to the planning process
 - Make commitments to participate in implementation
 - ✓ ICT suppliers (networks, services, equipment, software)
 - ✓ Government (national, local)
 - ✓ Public institutions (education, health, security, postal, community, libraries, etc.)
 - ✓ End users (consumers, businesses, govt as user)
 - ✓ Financial sector (banks, investors)
 - ✓ NGOs, donors, international partners, etc.

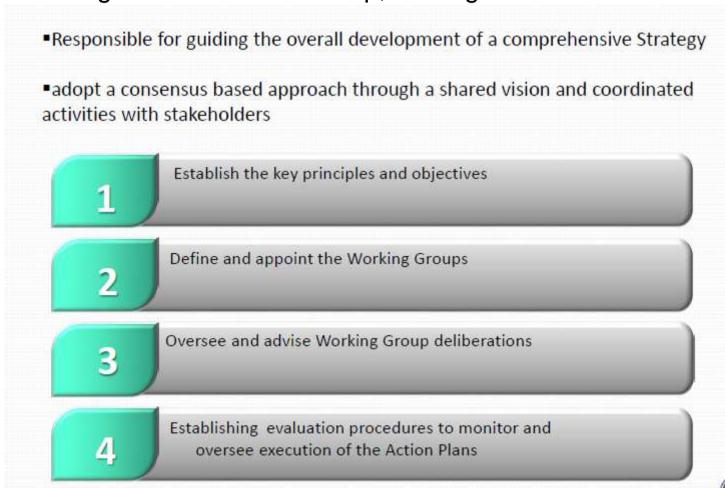
Kenya National Broadband Strategy

Cooperative policy development framework

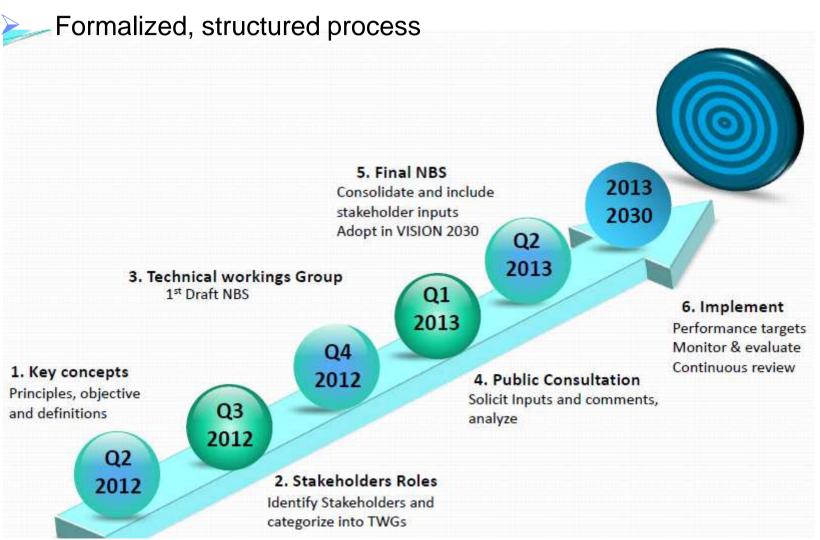


Kenya National Broadband Strategy

Steering Committee leadership, oversight

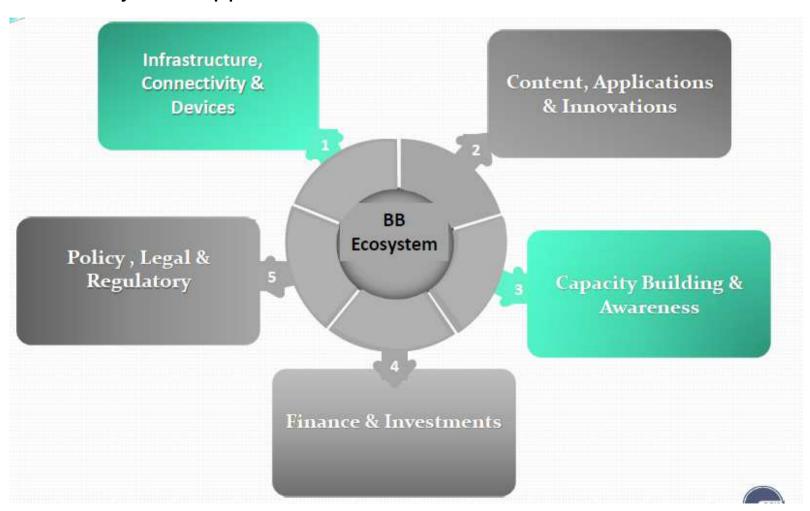


Kenya National Broadband Strategy



Kenya National Broadband Strategy

Ecosystem approach



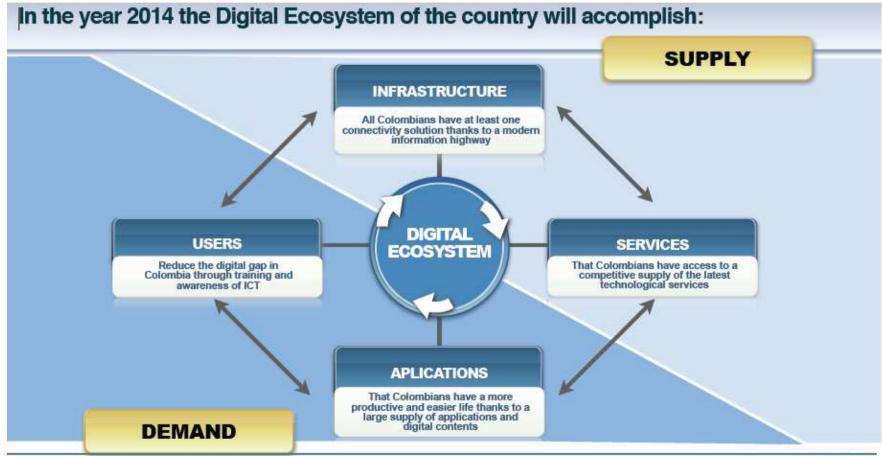
Kenya National Broadband Strategy

Table 3: Strategy for Infrastructure, Connectivity and Devices

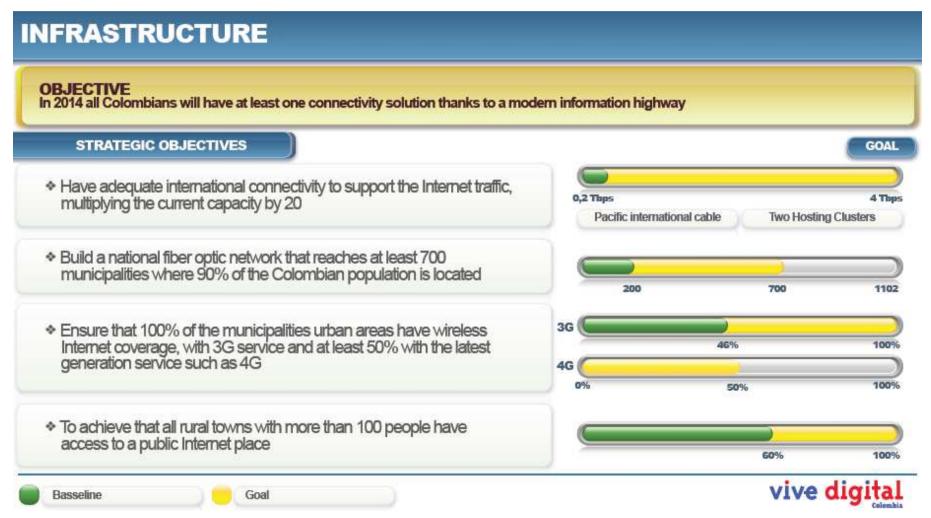
Sub-Issue	Objectives	Outcomes	Strategies	
Quality broadband network	Provide quality broadband services to all citizens	Improved quality of life in the way citizens work, live and learn	Avail sufficient spectrum for Wireless Broadband Networks. Government sponsored PPPs to fund infrastructure development. Use of Universal Service Fund to extend broadband network penetration. Enhance regulatory oversight with respect to quality of service.	
Coordination and complimentary services	Provide a harmonized and enabling environment for infrastructure deployment	Reduced cost of deploying and operating broadband networks	Provide a framework for synchronized planning of civil and ICT data projects. Promote and ensure operators share common infrastructure. Government to provide rebates/tax incentives for operators providing complimentary services (utilities) in marginalized areas.	
Accessibility and affordability	Provide accessible and affordable broadband services to all citizens	Increased demand for and use of broadband services	Government to provide subsidies for access devices. Promote local production of access devices. Promote and avail online local content (e.g. e-Govt. information and services) to spur demand. Continued expansion of power, road, security infrastructure across the country. Review regulatory framework to optimise spectrum. Re-farm and avail additional spectrum to enhance last-mile solutions.	
Availability and reliability	Develop a robust and reliable back-bone for the broadband network	A rich, interruption- free broadband experience	Establishing redundancy at the International gateways and Landing Points. Establishing redundancy within the domestic network (county level). Building data-centres of international standards. Enhance capabilities of Local Exchange Points.	

Colombia Vive Digital Program

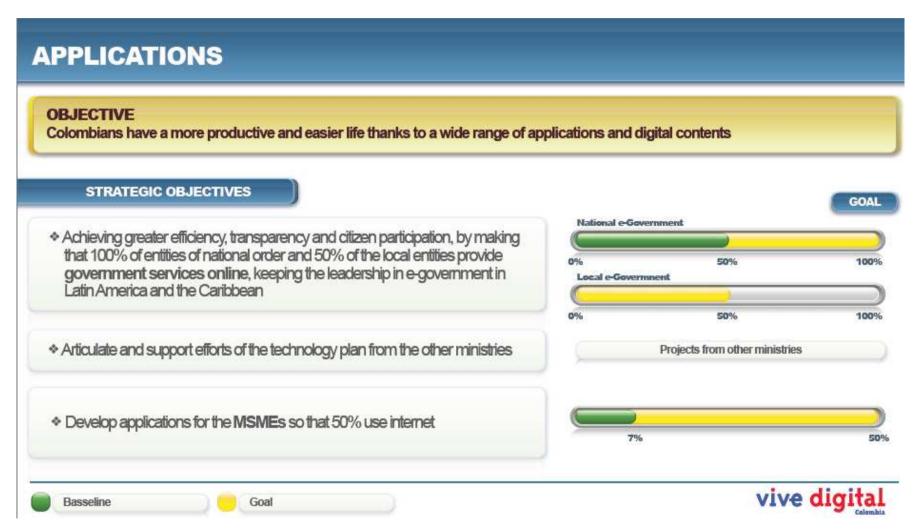
Ecosystem approach



Colombia Vive Digital Program

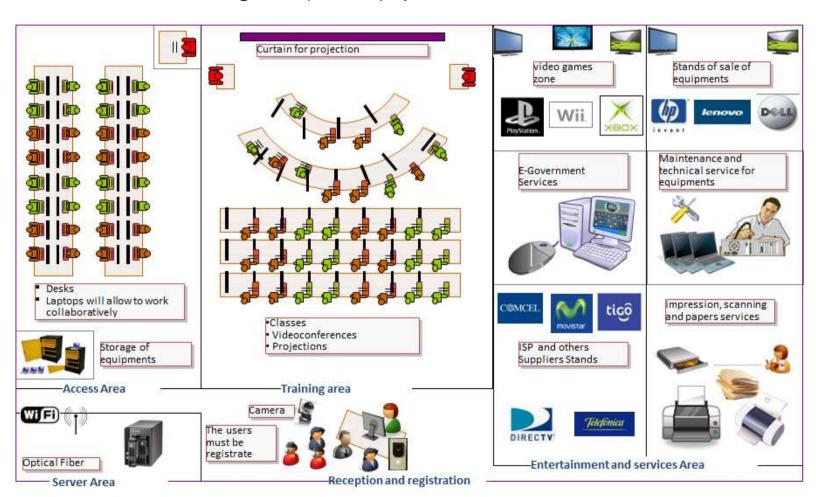


Colombia Vive Digital Program

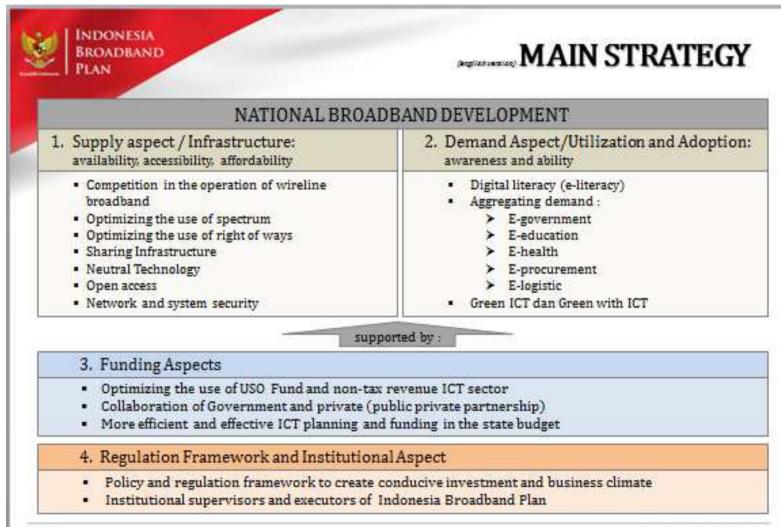


Colombia Vive Digital Program

"Puntos Vive Digital" (PVDs): public access ICT centers

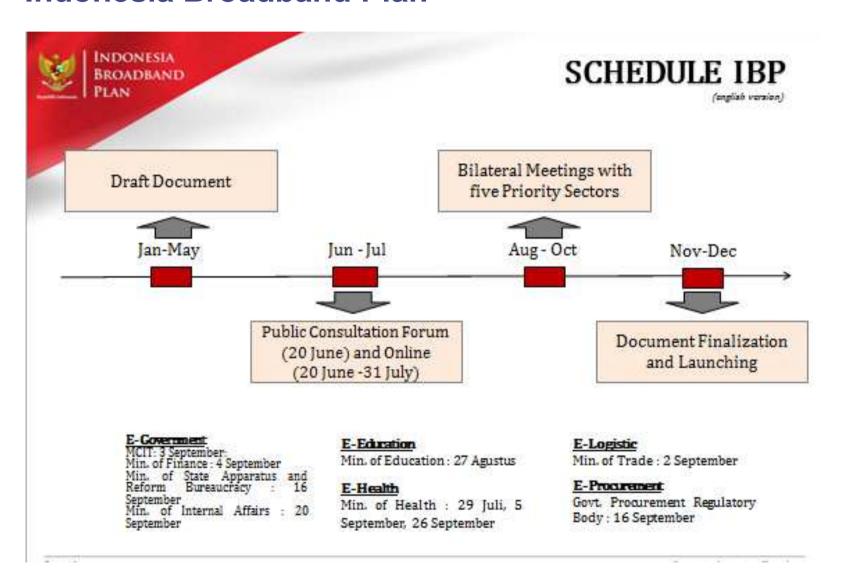


Indonesia Broadband Plan



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Indonesia Broadband Plan



Indonesia Broadband Plan

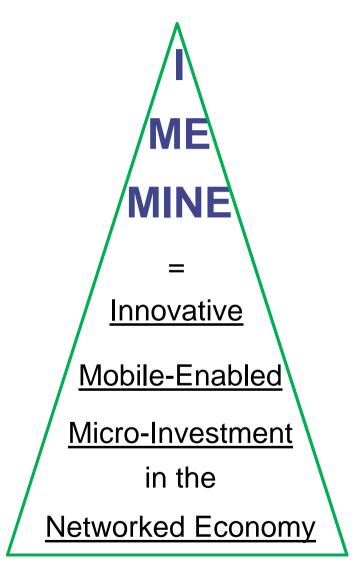


e-Health Objectives and Strategies

(coglish version)

Objectives	Outcomes	Strategies	Time Frame	Institutions
National e-Health Network	Nationwide connection to all hospitals, clinics, health facilities	Connect all locations virtually through e- Govt network, establish regional local nodes	Palapa Ring +1	Min Health MCIT
National Vital Health Statistics Database	Integrate access to data on disease, treatments, patient records	In corporate e-health module into secured national e-Gov data center, de velop standardized applications	Palapa Ring, NIX + 1(17)	Min. Health Min. Internal Aff. MCIT
Universal Health Coverage (UHC, JKN)	Equal distribution of health service in the region	Data and service integration with social security network and health insurance programme	Palapa Ring, NIX + 1(17)	Min. Health Min. Internal Aff. MCIT
Special Treatment Coverage	Health service is expanded to underserved areas	Broadband application for telemedicine telediagnosis, teletherapy	Palapa Ring +1 - 2018	Min. Health MCIT
National Health Promotion Programme	Improvement of nutrition programmes, sanitation, health en vironment and maternal care	ICT broadband to disseminate public health campaign and preventive programme	2015	Min. Health Min. Internal Aff. MCIT
Mobile e-Health Treatment Programme	Equal distribution of health service in the region	Mobile e-Health as an extended service area for promotion programme, preventive and curative	2016	Min. Health Min. Internal Aff. MCIT
Regulations on Health Information System	Priority for promotion and preventive. Maternal care as priority target	Staff of Puskesmas (Public Health Centre) with ICT skill and task to promote and motivate community behaviour to public health	2014-2019	Min. Health Min. Internal Aff. Min. State App. RB

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I, ME, MINE

- = <u>Innovative</u>, <u>Mobile-Enabled</u>, <u>Micro-Investment</u> in the <u>Networked Economy</u>
- Digital networks not only connect people socially, but can become a vital financial inclusion mechanism
 - ✓ As much as 75% in developing world don't have bank accounts.
 - ✓ Safaricom's <u>M-Pesa</u> (Kenya, Tanzania, etc.)
 - ✓ Micro payments, transfers, on-line purchases, credit
- ICT-driven development allows for (depends upon) E-entrepreneurs
 - ✓ On-line micro-businesses: mobile apps, e-commerce sites
 - Self-employed tech experts, info-tainment providers, etc.
 - ✓ Need paying customers, also investors

I, ME, MINE

- E-finance, and e-investment, are not well established in most developing countries
 - ✓ ICT sectors have been built without local capital, finance
 - ✓ Banks are inexperienced, focus on safe, big investments
 - ✓ Start-ups need capital, credit, customers, time
- Innovative solutions:
 - Mobile money payments, direct e-purchases
 - Crowd-sourced micro-investment (e.g., Kickstarter)
 - ✓ Venture capital funding of e-enterprise (e.g., Savannah Fund)
 - ✓ USAF co-financing of ICT incubators
 - ✓ Micro lending (e.g., Grameen)

I, ME, MINE

Remittances

- International remittances are a crucial input to development
 - ✓ Over \$350 billion in payments into developing countries from 200 million ex-pat workers
 - ✓ Philippines: 10.5 million OFWs contribute > 10% of GDP
- Mobile and Internet technology dramatically reduce cost and increase convenience, efficiency of remittances
 - ✓ Phone-to-phone transfers
 - ✓ Social network contacts, immediacy
- Overseas remittances can also support micro-enterprises

I, ME, MINE

Development Assistance, Aid

- Mobile-enabled micro payments also significantly alter the options for development assistance, donations
 - Direct transfer payments via mobile money
 - Contributions to and by charities (global and local)
 - Reduced transaction costs, also increased performance data
- Disaster relief and refugee aid
 - ✓ Haiti
 - ✓ Syria
 - Philippines

I, ME, MINE

Text "RELIEF"

to UNICEF: 864233

= \$10.00 donation to

Philippines typhoon victims

Thank you DNT@dntownsend.com