Bridging the Digital Divide

Access, Adoption, Value

Kuala Lumpur, 5th December 2006







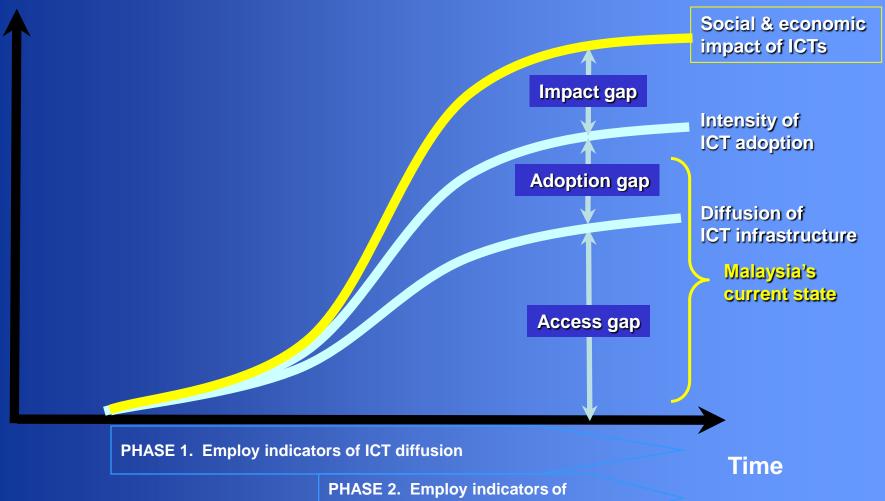
Agenda

- Understanding the digital divide
- Malaysia's digital divide
- Malaysia's socio-economic divide
- Experiences, lessons and findings
- Policies for closing the digital divide
- Framework for bridging the digital divide

Understanding the Digital Divide

- The Digital Divide is a socio-economic situation that arises when a segment or segments of society have unequal access to contemporary Information and Communication Technologies (ICTs) for gaining and contribution information/knowledge and to derive benefits there from.
- The Digital Value Divide is seen as that which prevents certain sections of Malaysian Society from being able to benefit from a more equitable share in the socio-economic value that ICTs are capable of generating towards the fully developed status of the Nation.
- The Digital Divide is concerned with access to ICTs.
- The Digital Value Divide is concerned with enjoyment of the benefits that ICTs bring.
- The term e-inclusion is used for the goal of narrowing the digital divide for the benefit of underserved sections of society.
- As ICTs by default benefit the already advantaged, it is possible to narrow the digital divide without having an appreciable impact on einclusion.

Understanding the Digital Divide



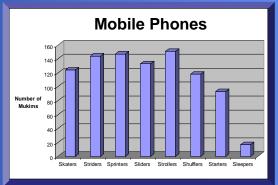
intensifying adoption

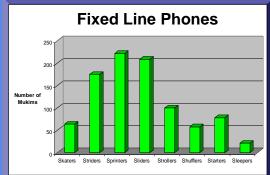
PHASE 3. Employ indicators of socio-economic impact

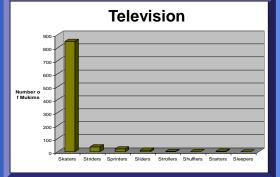
Malaysia's Digital Divide

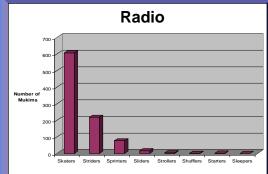
'8-S' categorisation of mukims:

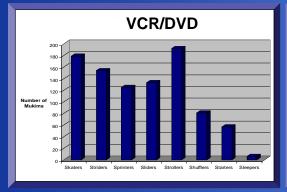
- 1. Skaters best performers
- 2. Striders
- 3. Sprinters
- 4. Sliders
- 5. Strollers
- 6. Shufflers
- 7. Starters
- 8. Sleepers worst performers

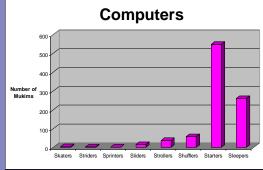


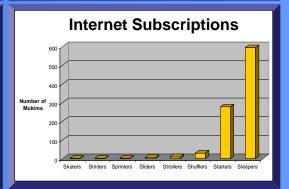




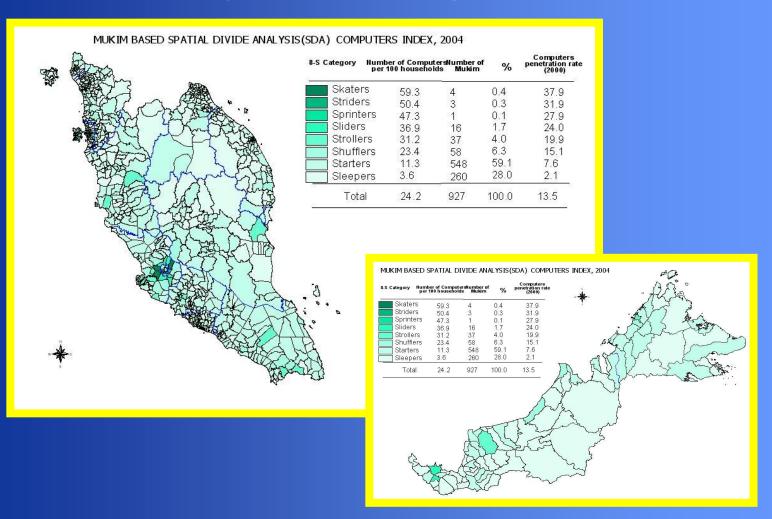




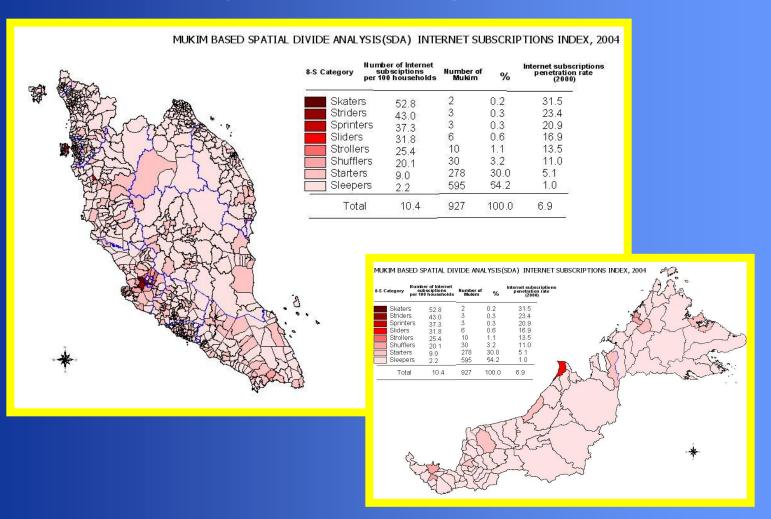




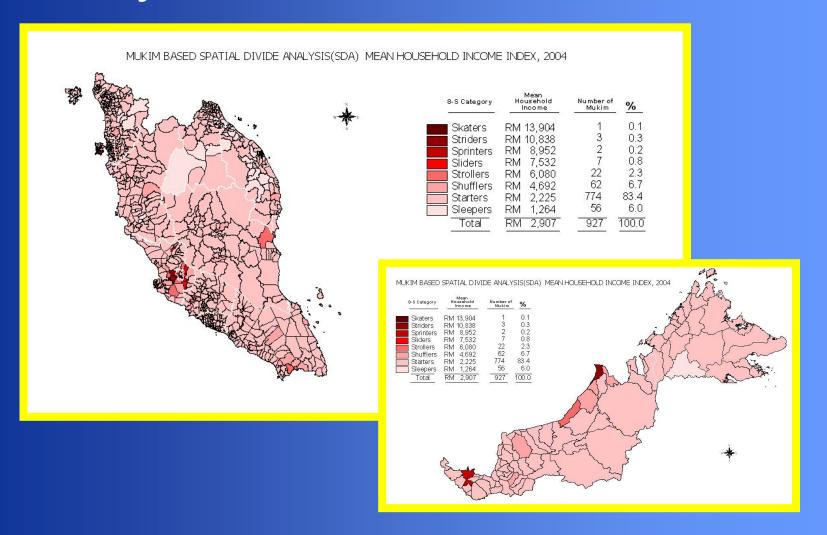
Malaysia's Digital Divide



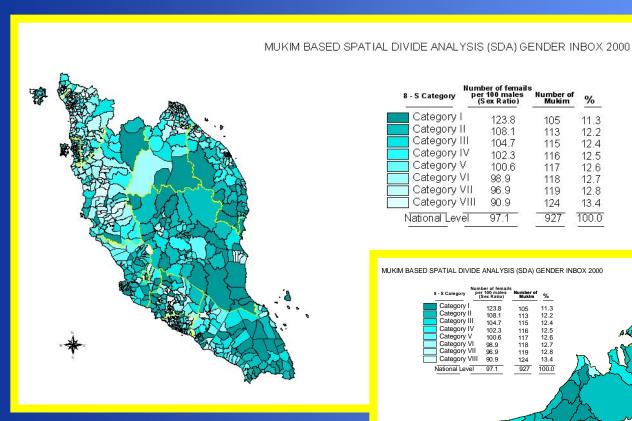
Malaysia's Digital Divide

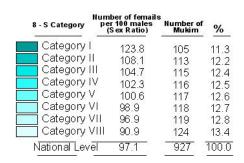


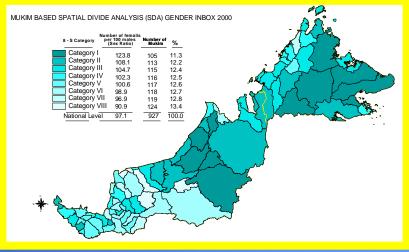
Malaysia's Socio-economic Divide



Malaysia's Socio-economic Divide







Experiences and Lessons: Pusat Internet Desa



Findings: Access and Adoption

- Malaysia's digital divide remains highly pronounced
- Mobile phones have overtaken fixed lines
- Radio and TV are at saturation
- Internet has hardly begun
- Computers are off the bottom rung
- There is a relationship between the spatial digital divide and the social divide
- Infrastructure programmes are effectively acculturating Malaysians to ICTs.
- But they are not being utilised as much as they could be to deliver socio-economic value.

Findings: Programmes

- Current development programmes are largely uncoordinated
- Earlier lessons are not being adequately applied to current initiatives
- The reach of programmes to underserved sections of society is uneven
- Many development programmes are not making use of the most ubiquitous ICTs (Handphones, TV & Radio)
- Some programmes with ICTs are not making use of the existing ICT infrastructure
- Some programmes within the same Ministry are proceeding with their own infrastructures
- Some programmes are not taking the opportunity to use ICTs where they could

Findings: Policies

- Policies for ICTs have not been blended into policies for socio-economic development for underserved groups.
- But Malaysia has a history of effective policy making for ICTs for social inclusion.
- Current policy mechanisms are not specific about the value aspect of ICTs for achieving e-Inclusion.

Five Thrusts of e-Inclusion

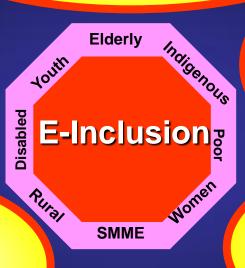
Thrust 5
Institutionalise
evidenceinformed policy
and practice.

Thrust 4

Cultivate multistakeholder collaboration and coordination.

Thrust 1

Increase access and adoption of ICTs by underserved groups



Thrust 2

Create value in einclusion programmes

Thrust 3

Develop local content through participatory approaches.

Policies for Closing the Digital Divide

Thrust 1.

Increase access and adoption of ICTs by underserved groups

- 1. Ensure equitable access to affordable PCs and online services.
- 2. Increase adoption and usage of networked applications.

Thrust 2.

Create value in einclusion programmes

- 1. Target 'e-inclusion' rather than closing the 'digital divide'.
- 2. Infuse ICTs further within existing development programmes for underserved groups.
- 3. Improve the performance of telecentres to achieve and increase their socio-economic value.

Policies for Closing the Digital Divide

Thrust 3.

Develop local content through participatory approaches.

- 1. Adopt improved methodologies for einclusion programme design and implementation.
- 2. Provide financial support for community-based local content development.
- 3. Promote generic local content for customisation, interactivity and localisation.

Thrust 4.

Cultivate multistakeholder collaboration and coordination.

- 1. Integrate and co-ordinate policy-making and programme design for e-inclusion.
- 2. Incorporate civil society voices within the policy advisory process.
- 3. Increase capacity at all levels for creating e-inclusion.

Policies for Closing the Digital Divide

Thrust 5.

Institutionalise evidence-informed policy and practice.

- 1. Adopt improved methodologies for evaluating e-inclusion programmes.
- 2. Target e-inclusion indicators that measure the socio-economic benefits of technology.
- 3. Collect data for monitoring progress towards e-inclusion

The National Strategic Framework for Bridging the Digital Divide

E-INCLUSION

Social and Economic Inclusion in a Knowledge Society.

Employing Information and Communication Technologies (ICTs) to address the problems of the digital-divide and social exclusion and promoting opportunities for the economic and social empowerment of all citizens towards the achievement of vision 2020.

Access

Delivering access to the ICT info-structure to everybody



Promoting regular and widespread use of ICT-based content in everybody's daily life

Value

Ensuring the social & economic value of ICTs is achieved by underserved Malaysians

COORDINATION

Joined-up policies that embed ICTs within socio-economic development programmes

Oversight

Policy and Planning

- National IT Council
- E-Inclusion oversight committee
- E-Inclusion lead agencies committees



Partnerships

Programme Implementation

- Federal government
- State government / local authorities
- Private sector
- Civil Society (especially NGOs)

EVALUATION

Knowledge management for evidencebased policy and practice

Evidence

- Socio-economic benefits
- Sustainability of benefits
- Funding for research & analysis (i.e. impact study, process review)



Measurement

- Systematic data repository
- Data collection (i.e. survey, usage patterns)
- Indices for goals and spatial analysis
- Digital divide database and atlas

Thank you

Q&A.