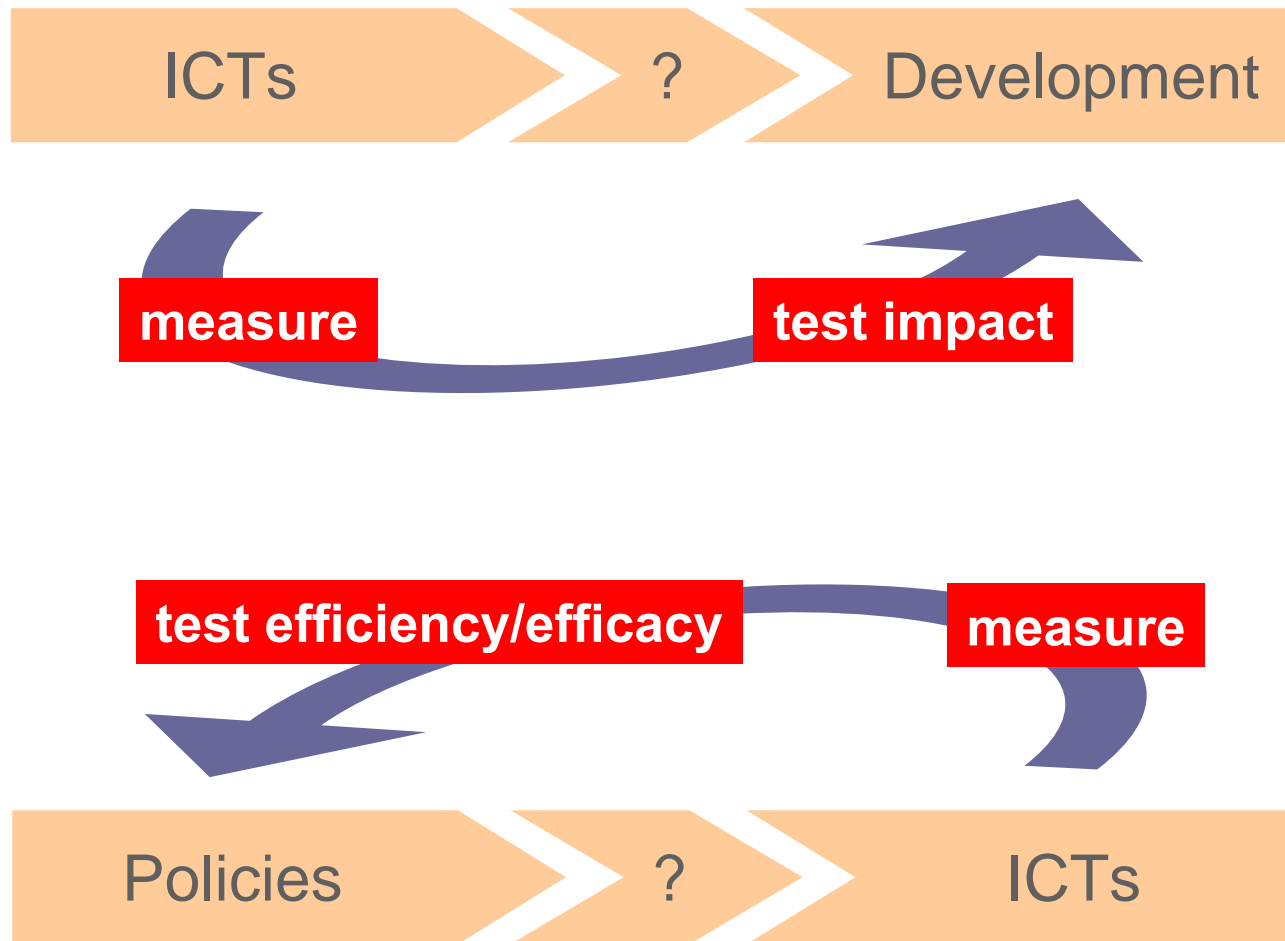


# The e-readiness layers: thresholds and relationships

Ismael Peña López  
ICT4D Postgraduate Symposium  
Royal Holloway, University of London

Egham, September 14th, 2006

## What are we dealing with



## An (urgent) need to measure ICTs

**#1 To verify its impact (if any) in development/economies**

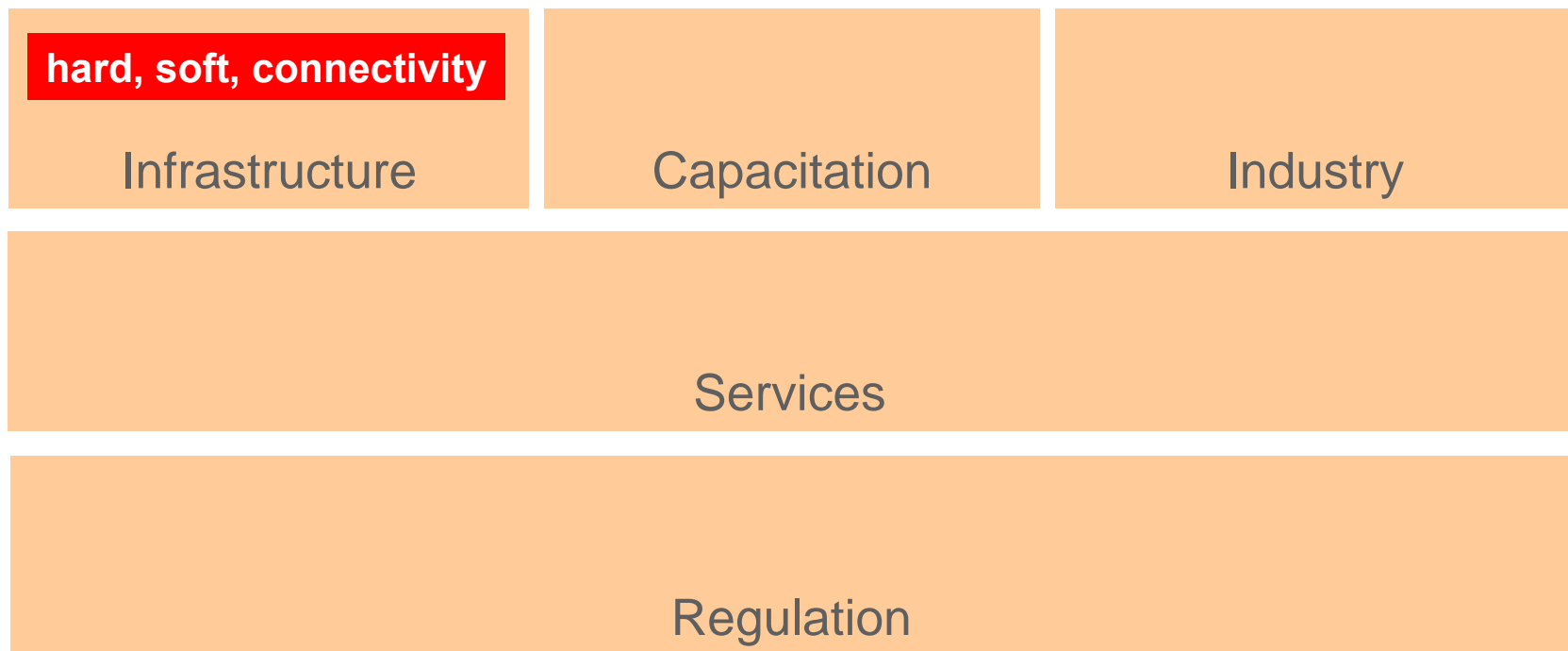
**#2 (if #1 is true) Test the effectiveness of ICT policies**

### Says who?

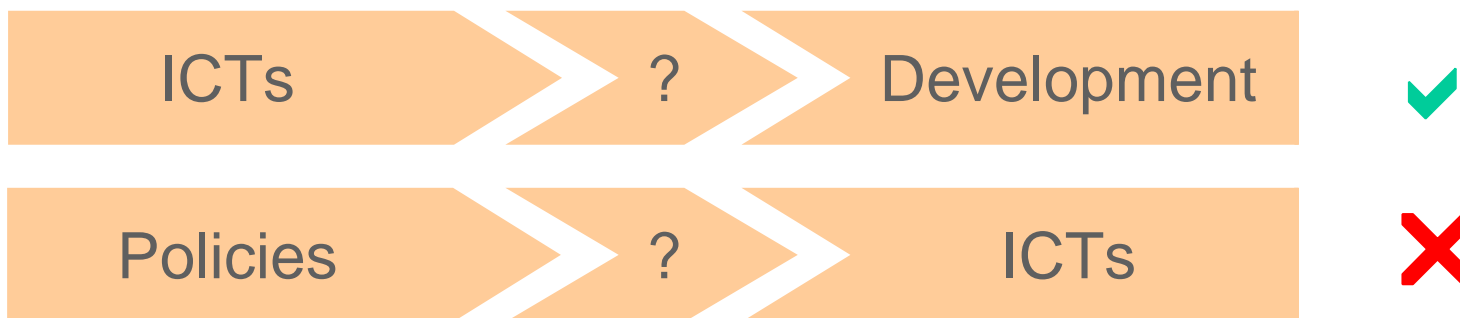
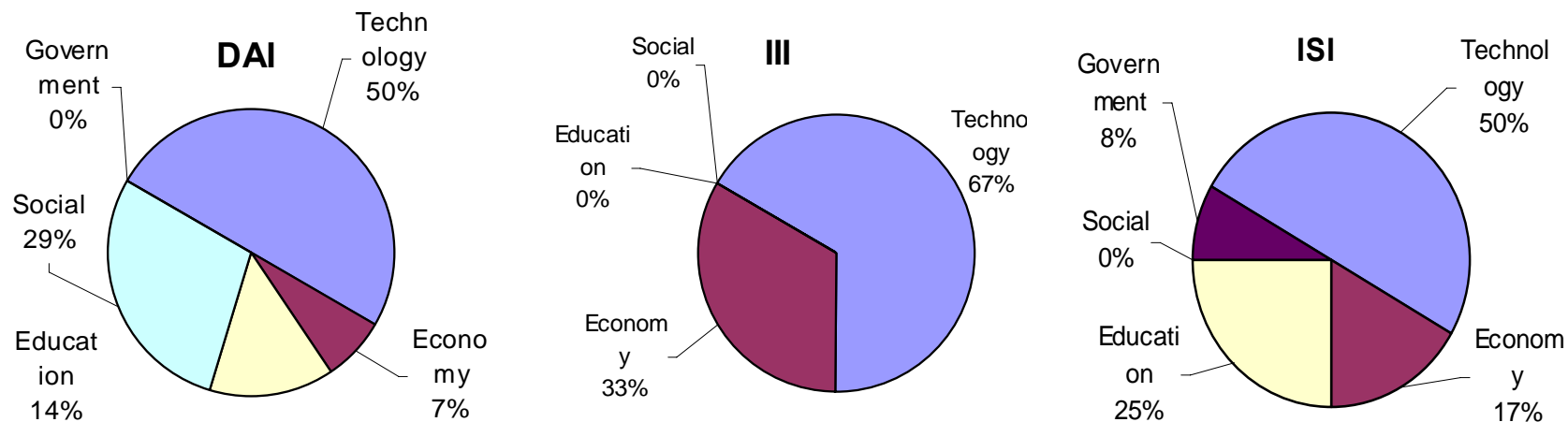
APEC ITU ECA OECD ESCWA  
United Nations  
UNCTAD SIBIS Partnership on Measuring  
infoDev ICT for Development  
CSPP UNGAID Kado Orbicom  
World Economic Forum me  
McConnell EU LIRNE The Link Centre  
UNPAN  
World Bank Bridges EUI OSI-ECLAC ISI

## How: Option 1, the Telecomm approach (i/ii)

### ICTs $\approx$ Infrastructure



## How: Option 1, the Telecomm approach (ii/ii)



## How: Option 2, the e-Readiness approach (i/ii)

### ICTs $\approx$ Economy

**hard, soft, connectivity**

Infrastructure

**digital literacy**

Capacitation

**ICT Sector**

Industry

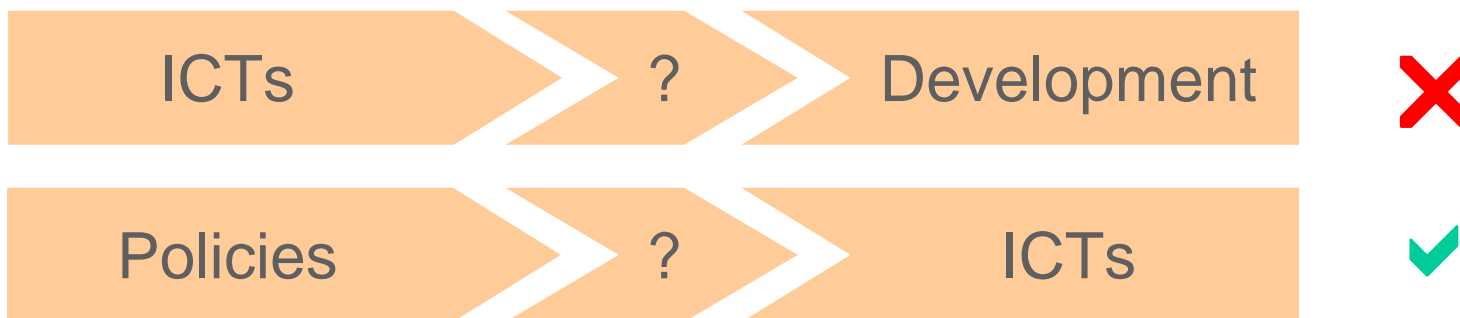
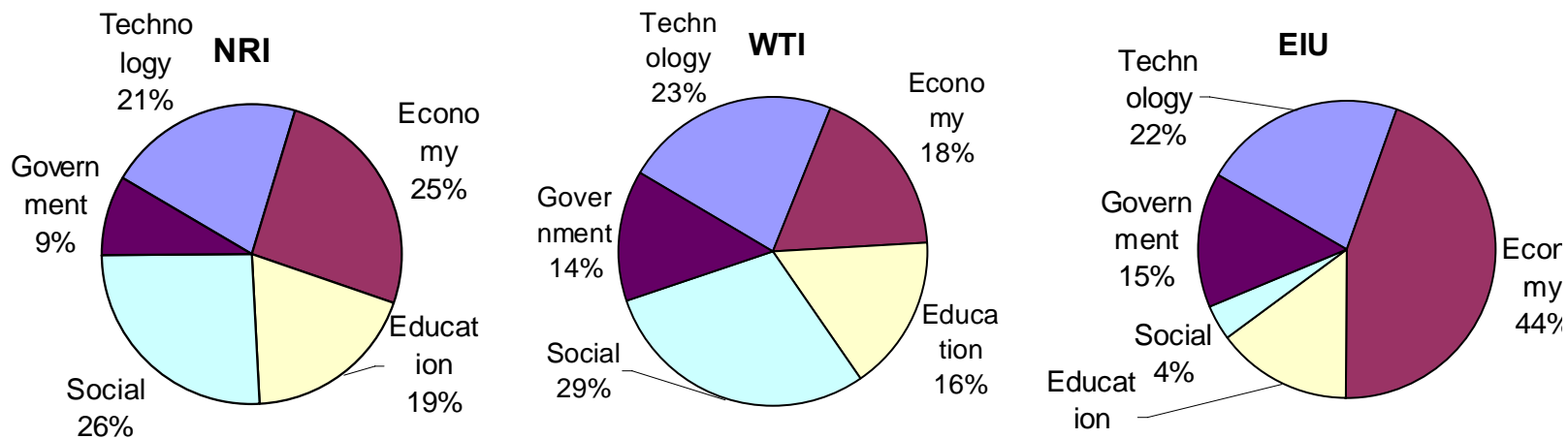
**digital content, OA, virtual communities, B2B, P2P, B2C, G2G, G2B**

Services

**cyberlaw, infrastructure regulation, internet governance, privacy, censorship**

Regulation

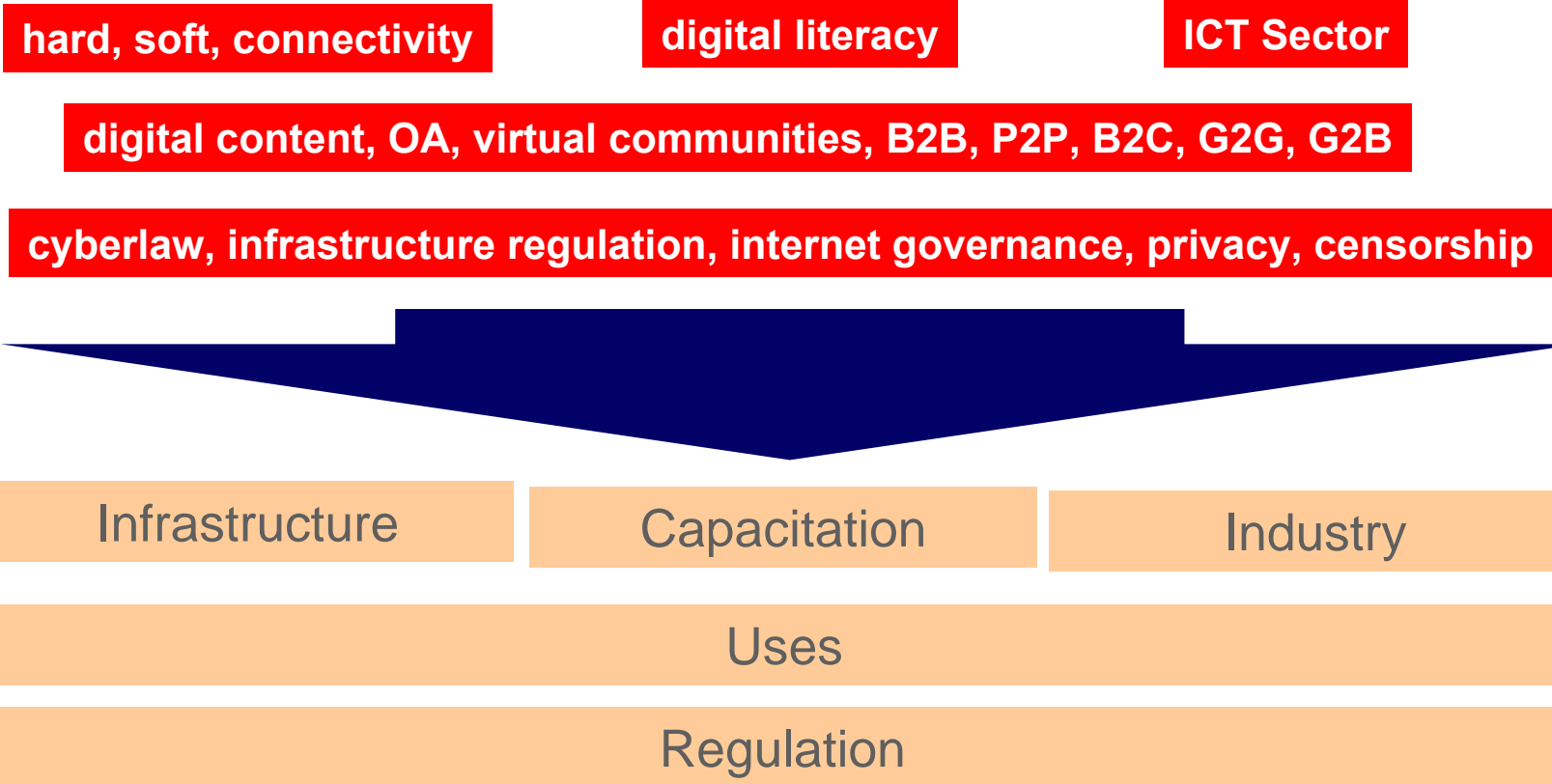
## How: Option 2, the e-Readiness approach (ii/ii)



# New approach: Only Digital Index (ODI)

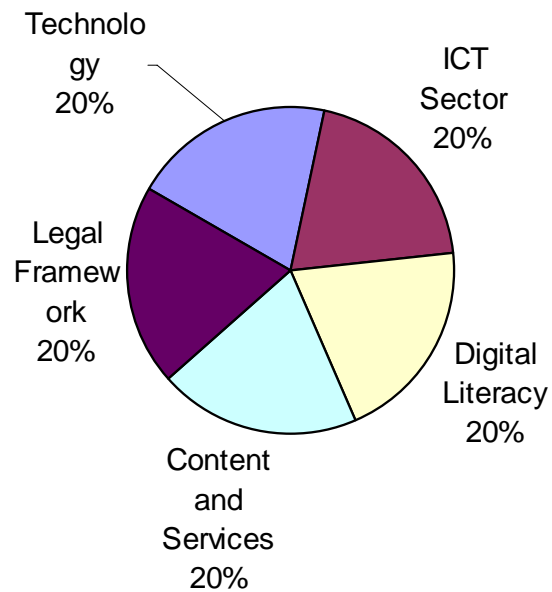
*look for better name*

## ICTs ≈ e-Economy



# ODI and Development

## ONLY DIGITAL



ICTs

?

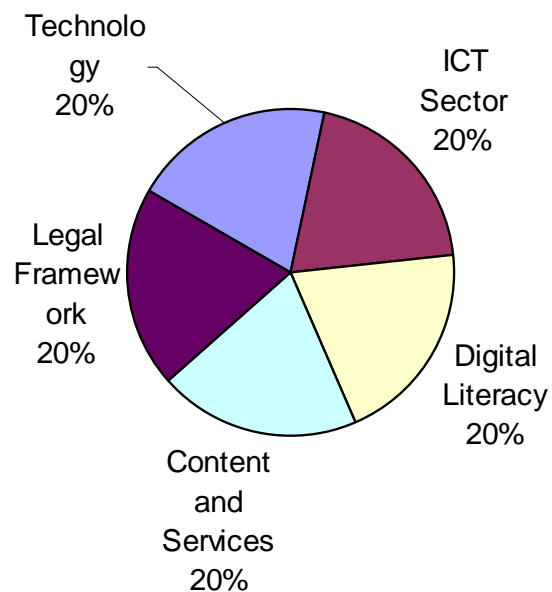
Development



- **ODI vs. HDI (leapfrogging dev.)**
- **ODI vs. NBP**
- **ODI vs. market freedom**
- **ODI vs. degree of democracy**
- **Etc.**

# ODI and Information Society Policies

## ONLY DIGITAL



Policies

?

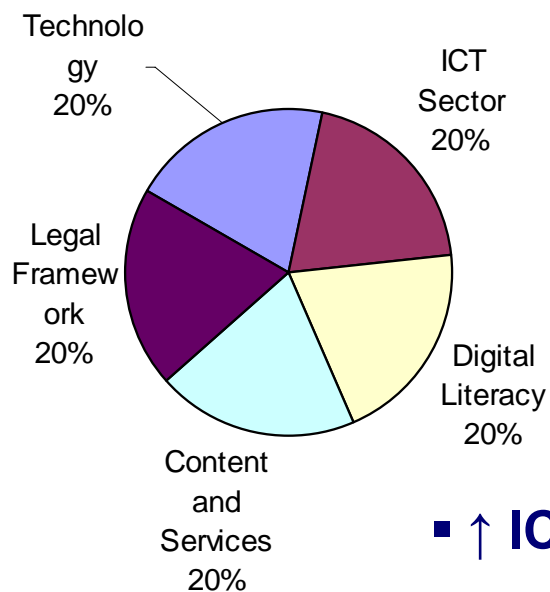
ICTs



- **ODI vs. Infrastructures Policies**
- **ODI vs. Capacitation Policies**
- **ODI vs. ICT Sector Policies**
- **ODI vs. Uses Policies**
- **ODI vs. Regulation Policies**

## ODI and... ODI

### ONLY DIGITAL



- ↑ infrastructure, ↑ uses?
- ↑ literacy, ↑ uses?
- ↑ infrastructure, ↑ literacy?
- ↑ literacy, ↑ regulation?
- ↑ regulation, ↑ ICT sector?
  
- ↑ ICT sector, ↑ uses? (leapfrogging dig. dev.)
- ↑ infrastructure, = literacy, ↑ uses? (threshold)
- ↑ literacy, = infrastructure, ↑ uses? (threshold)
- ↑ ICT sector, = regulation, ↑ uses? (threshold)

## Index composition

### **Infrastructure**

- Hardware
- Software
- Connectivity

### **Digital Literacy**

- Technological literacy
- Informational literacy
- Functional literacy

### **ICT Sector**

- Local Sector
- Imports
- Exports

### **Content, Services, Communities**

- Locally relevant content (commodity)
- Locally relevant content (capital)
- Presence in the Internet
- e-Economy / e-Business
- e-Public Sector / Public e-Services

### **Regulation**

- ICT Sector Regulation
- Intellectual Property
- e-Commerce Regulation / Cyberlaw
- Data and Security
- Access freedom/censorship
- Education and ICTs / e-Learning
- e-Inclusion policies
- Information Society Policies / ICT4D

## Index setup and philosophy

**#1 Available indicators (when possible)**

**#2 (if #1 is not true) Proxies**

**#3 No (one-time) surveys, no case-studies**

**#4 Immediate replicability – *automagic* updating**

**#5 What is the Digital Divide (revision)**

**#6 Benchmarking of indicators**

**#7 Crossing of indexes and indicators**

Egham, September 14th, 2006. Royal Holloway, University of London

**To cite this work:**

Peña-López, I. (2006) *The e-readiness layers: thresholds and relationships* (on-line presentation)

<[http://www.ictlogy.net/presentations/20060914\\_ismael\\_pena\\_e-readiness\\_layers.pdf](http://www.ictlogy.net/presentations/20060914_ismael_pena_e-readiness_layers.pdf)>  
[downloaded mm/dd/yyyy]

**To contact the author:**

<http://www.ictlogy.net/aboutcontact.php>



All the information in this document under a  
Creative Commons license:  
Attribution – Non Commercial – No Derivs

More information please visit

<http://creativecommons.org/licenses/by-nc-nd/2.5/>