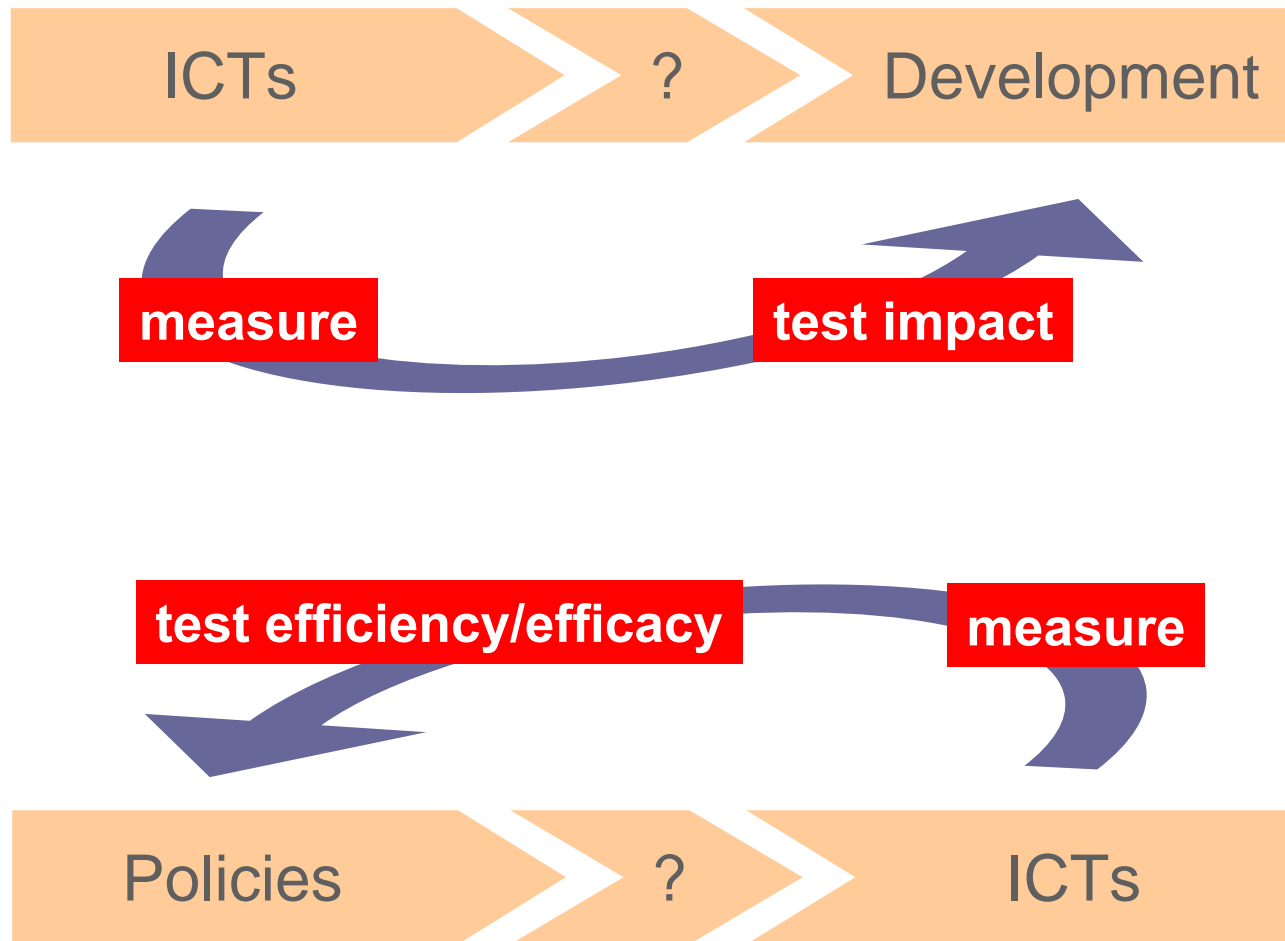


The e-readiness layers: thresholds and relationships

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

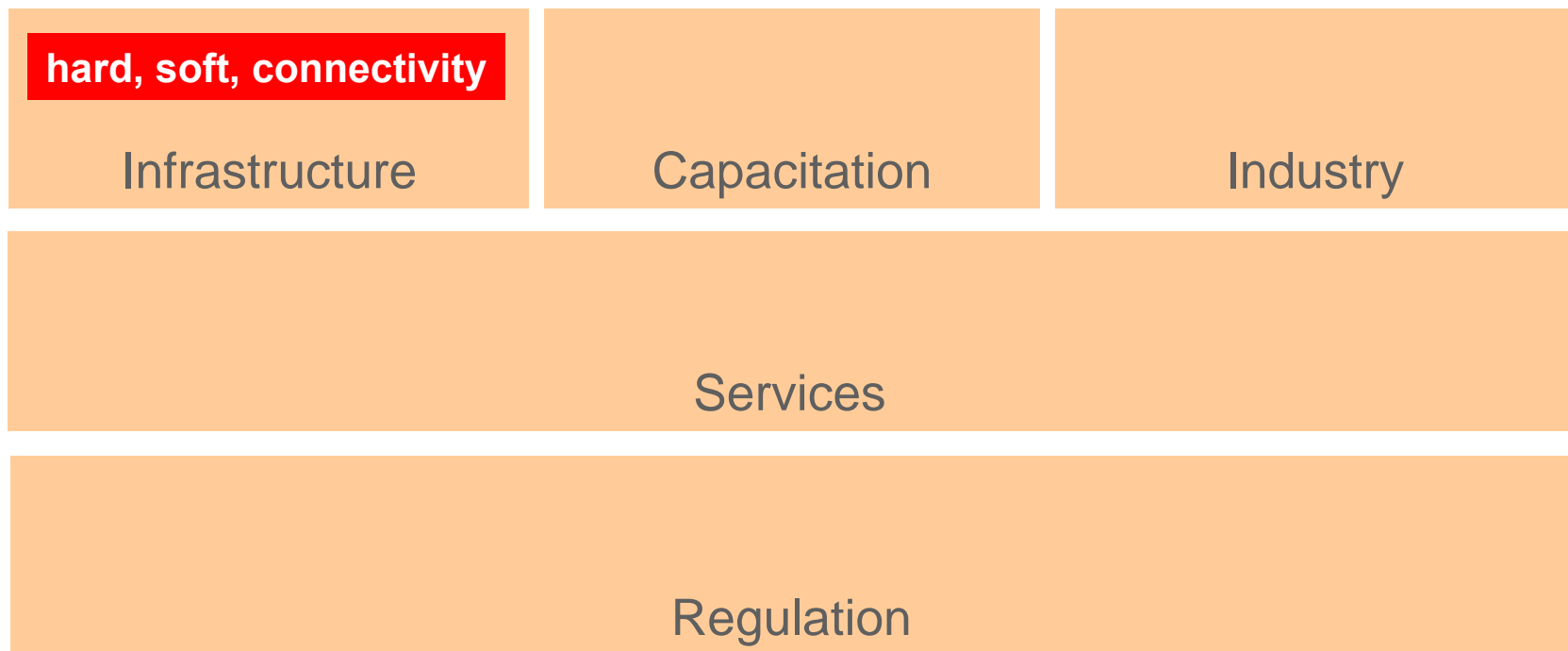
#2 (if #1 is true) Test the effectiveness of ICT policies

Says who?

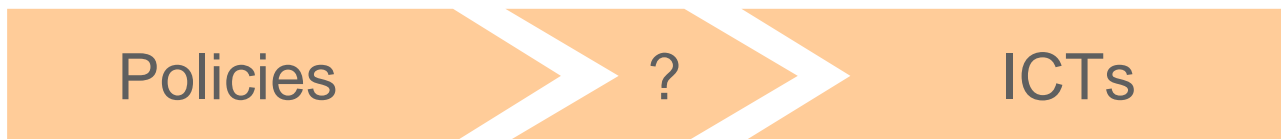
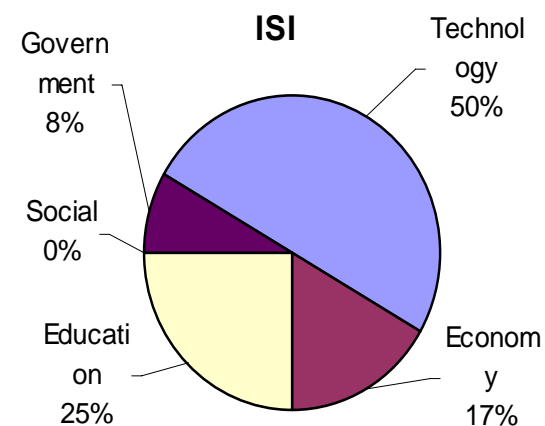
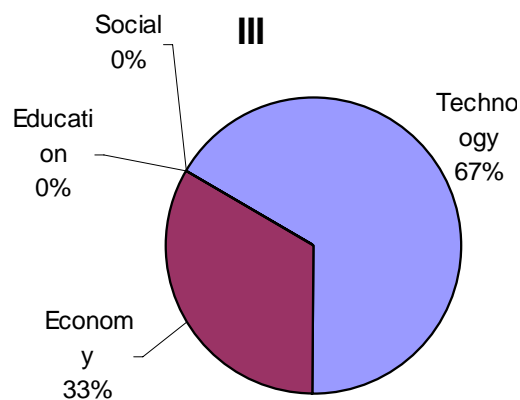
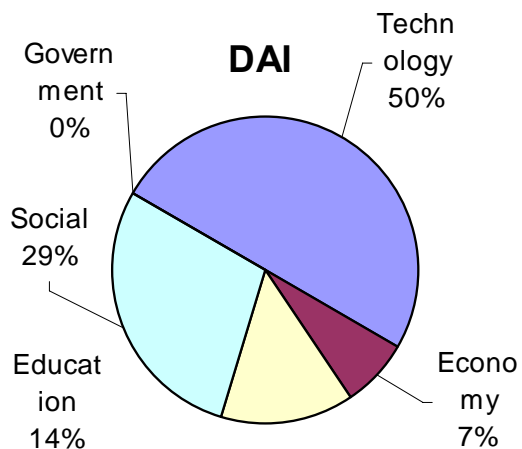
APEC ITU ECA OECD ESCWA
United Nations
UNCTAD SIBIS infoDev Partnership on Measuring ICT for Development
CSPP UNGAID Kado Orbicom
World Economic Forum me
McConnell UNPAN EU LIRNE The Link Centre
World Bank Bridges EUI OSI-ECLAC ISI

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

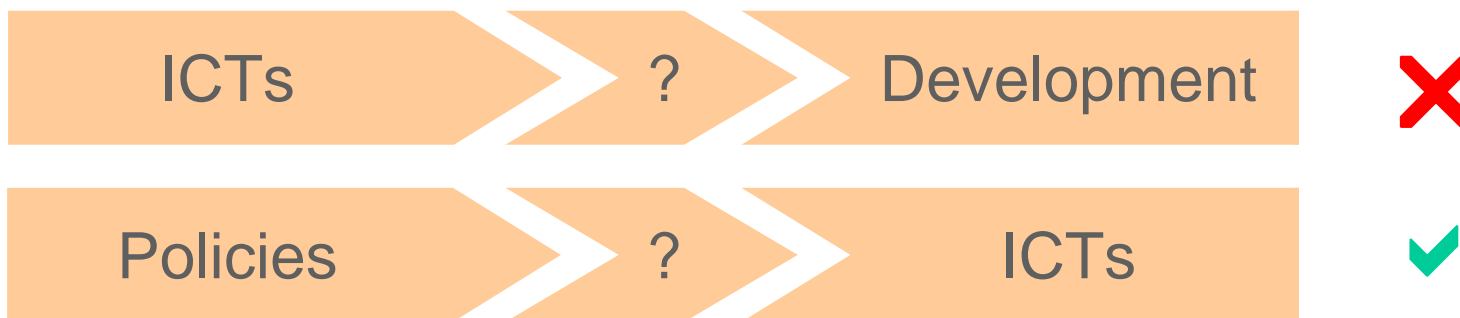
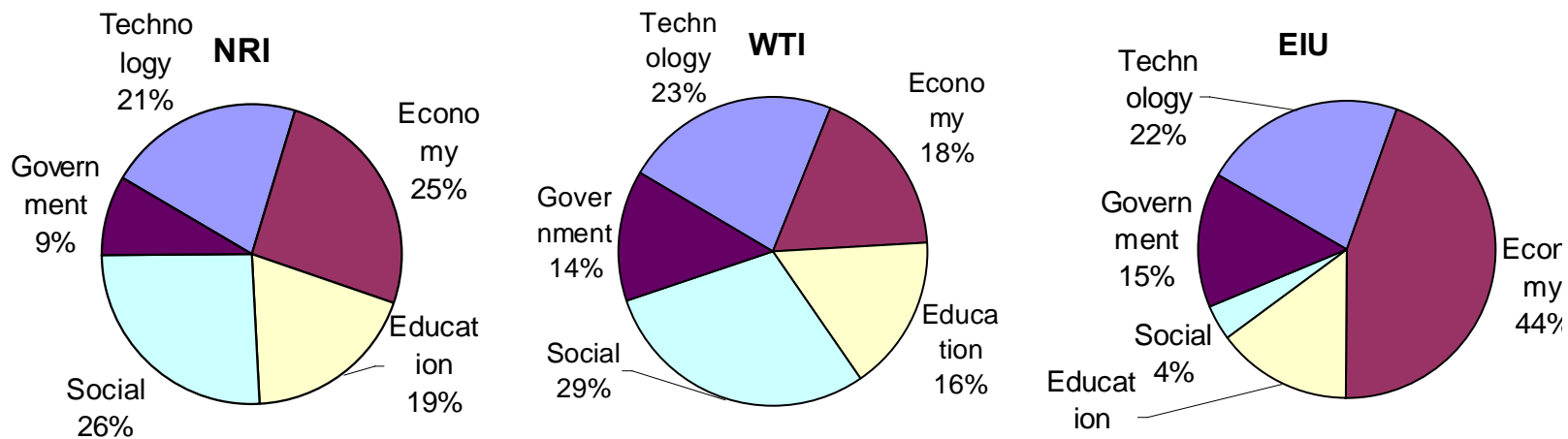
digital content, OA, virtual communities, B2B, P2P, B2C, G2G, G2B

Services

cyberlaw, infrastructure regulation, internet governance, privacy, censorship

Regulation

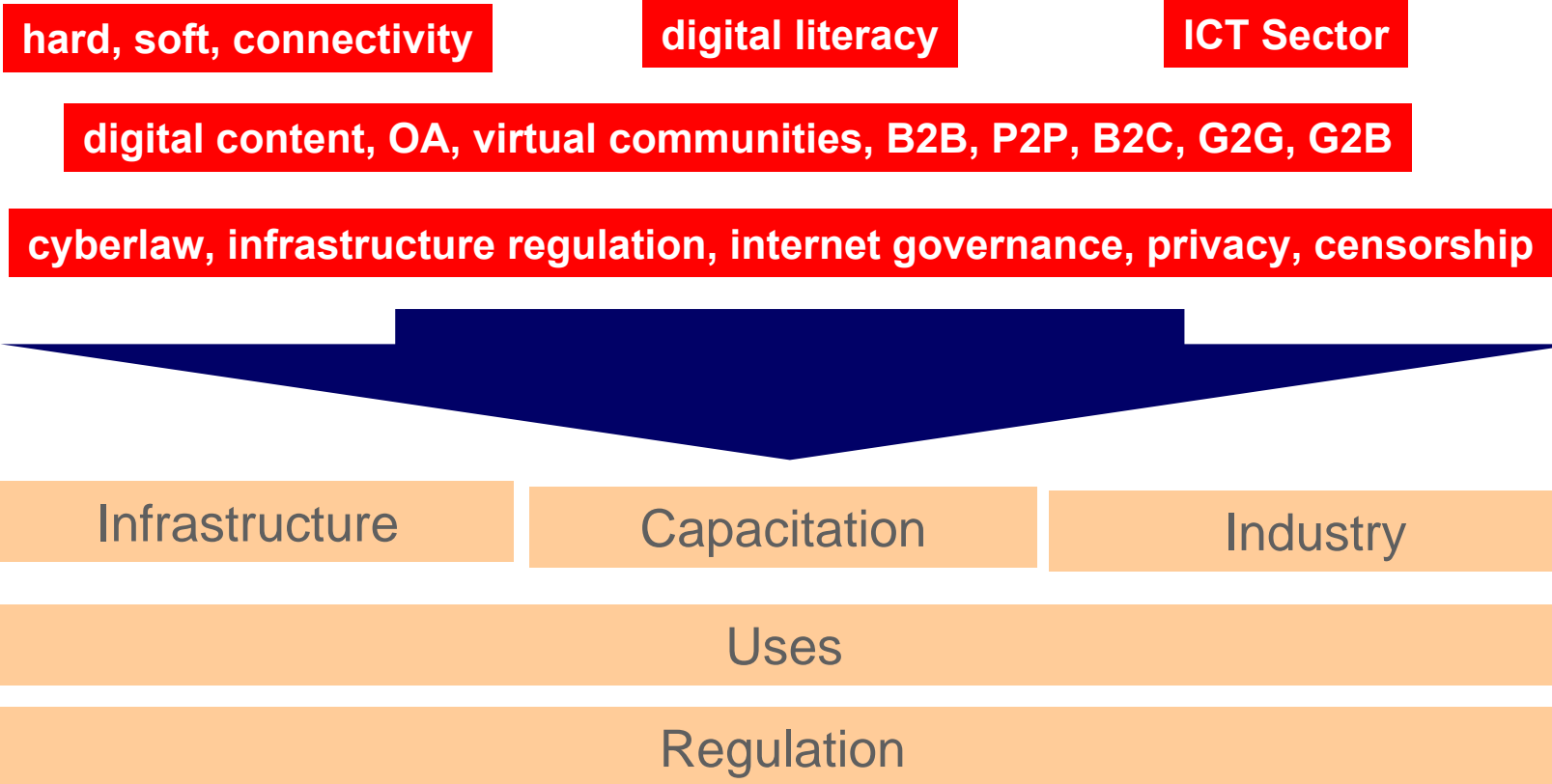
How: Option 2, the e-Readiness approach (ii/ii)



New approach: Only Digital Index (ODI)

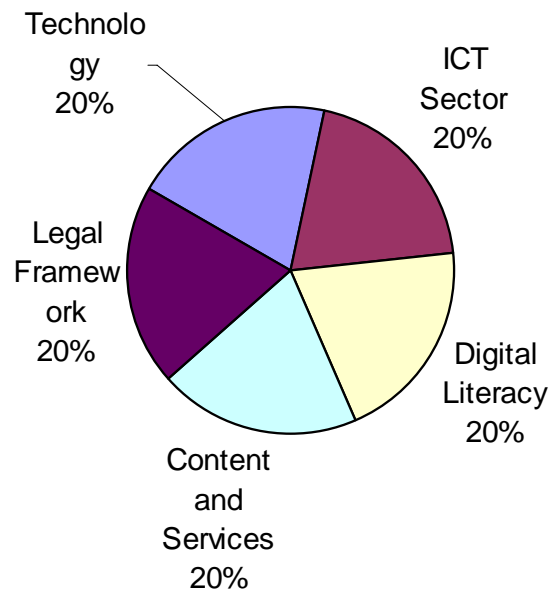
look for better name

ICTs \approx e-Economy



ODI and Development

ONLY DIGITAL



ICTs

?

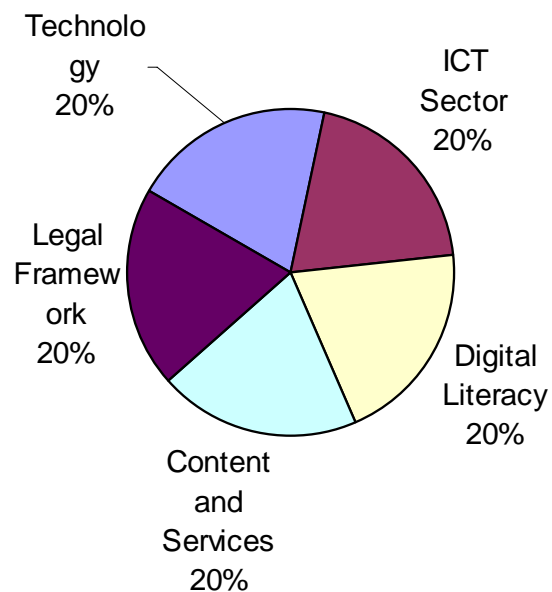
Development



- **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

?

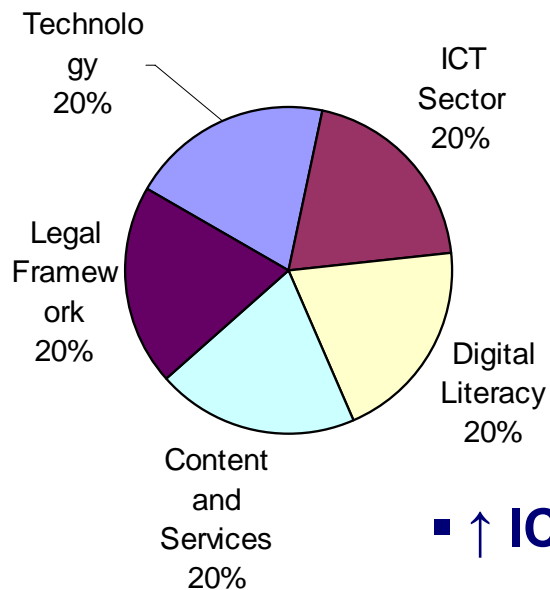
ICTs



- **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

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