



World Summit Geneva 2003  
on the Information Society  
Turning targets into action

PARTNERSHIP ON  
MEASURING ICT  
FOR DEVELOPMENT

## ICT sector statistics

*Measurement issues, Indicators and Policy relevance*

WSIS Forum 2011  
Geneva, 17 May 2011

Pierre Montagnier, OECD

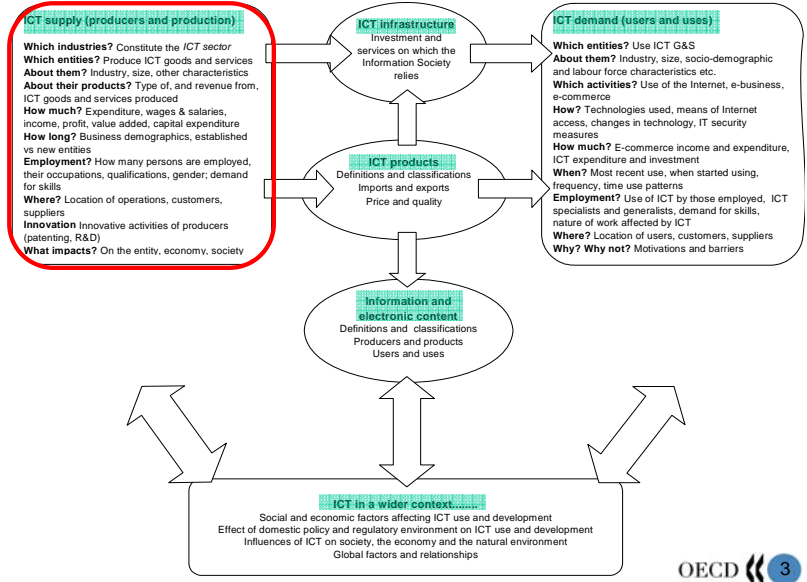
OECD 1 OCDE

## Outline

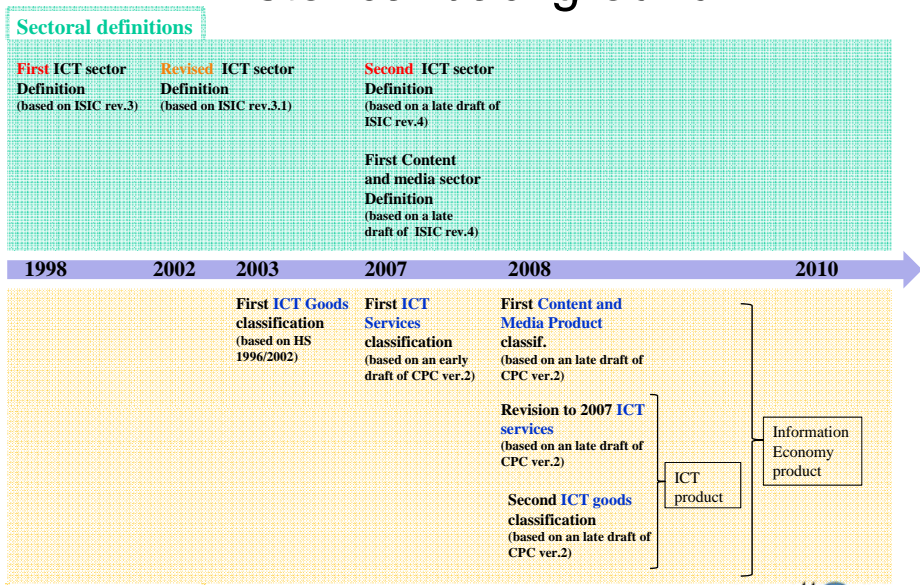
- Conceptual framework and historical background
- Definition and evolution
- Indicators
- Policy relevance

OECD 2 OCDE

# A conceptual framework



# Historical background



# ICT sector definition and evolution

- An operational definition

2 stage approach to develop an industry based definition with i/ a focus on industries and ii/ a product-based definition which will in turn be used to refine the industry definition

- A set of principles for ICT industries:

>For manufacturing industries, the products of a candidate industry must: be intended to fulfil the function of information processing and communication, including transmission and display; or use electronic processing to detect, measure and/or record physical phenomena, or to control a physical process. Components primarily intended for use in such products are also included.

>For service industries, the products of a candidate industry must be intended to enable the function of information processing and communication by electronic means.

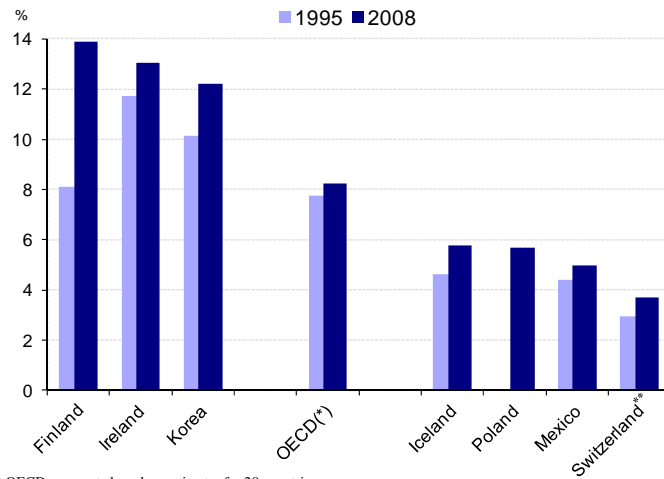
Deleted with the 2007 revision

- In a decade, less manufacturing and more services

	1998	2002	2007
manufacturing	7	7	5
services	9	11	14

## ICT sector selected Indicators

### Share of ICT value added in business sector value added, selected OECD countries, 1995-2008



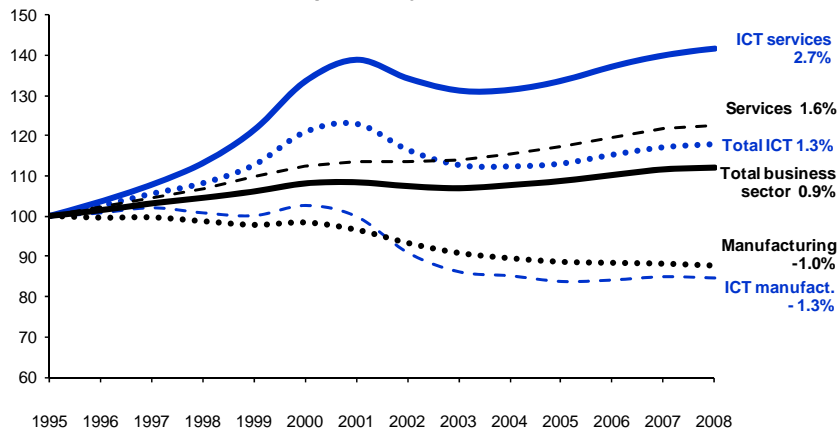
(\*) OECD aggregate based on estimates for 28 countries.  
 \*\* 6420 (Telecommunications) not included.

Source: OECD, 2010



### Growth of ICT sector and total employment in the OECD area

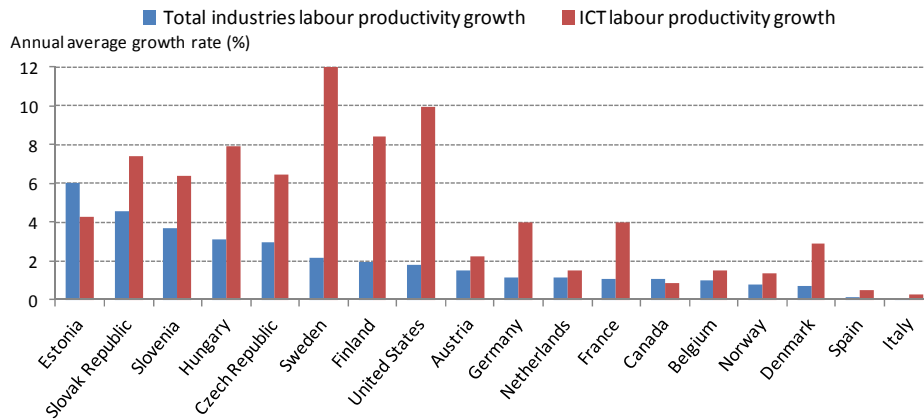
Index 1995=100, compound annual growth rate (%)



Source: OECD, 2010

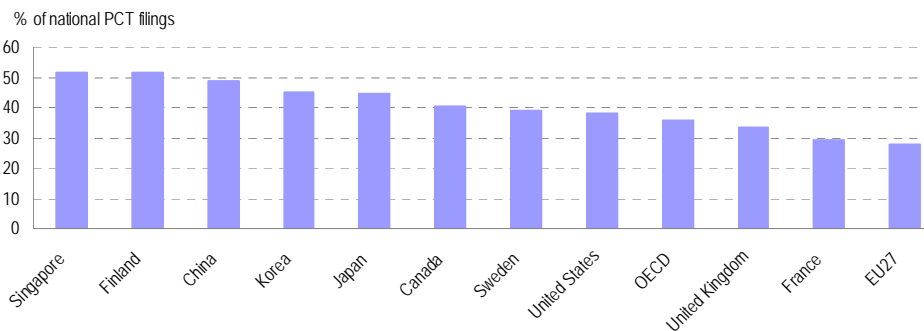


### Labour productivity growth in ICT and total industries in selected OECD countries, 1995-2008



Source: OECD, STAN database.

### ICT related Patents, 2006-2008



Source: OECD, Patent Database, 2011.

## ICT sector measurement is of high policy relevance

- The economy of a country benefits from ICT in 2 ways:
  - As ICT producer. ICT sector itself generates growth, productivity and innovation
  - As ICT user. ICT use increases the efficiency of production processes
- Pillar for many indicators and key to better understand effects on:
  - Productivity
    - Innovation
    - Competitiveness
    - Growth

## Thank You for your attention

Pierre Montagnier  
Economic Analysis and Statistics Division

[pierre.montagnier@oecd.org](mailto:pierre.montagnier@oecd.org)