

# Lunchtime talks@ITU-D study group meetings

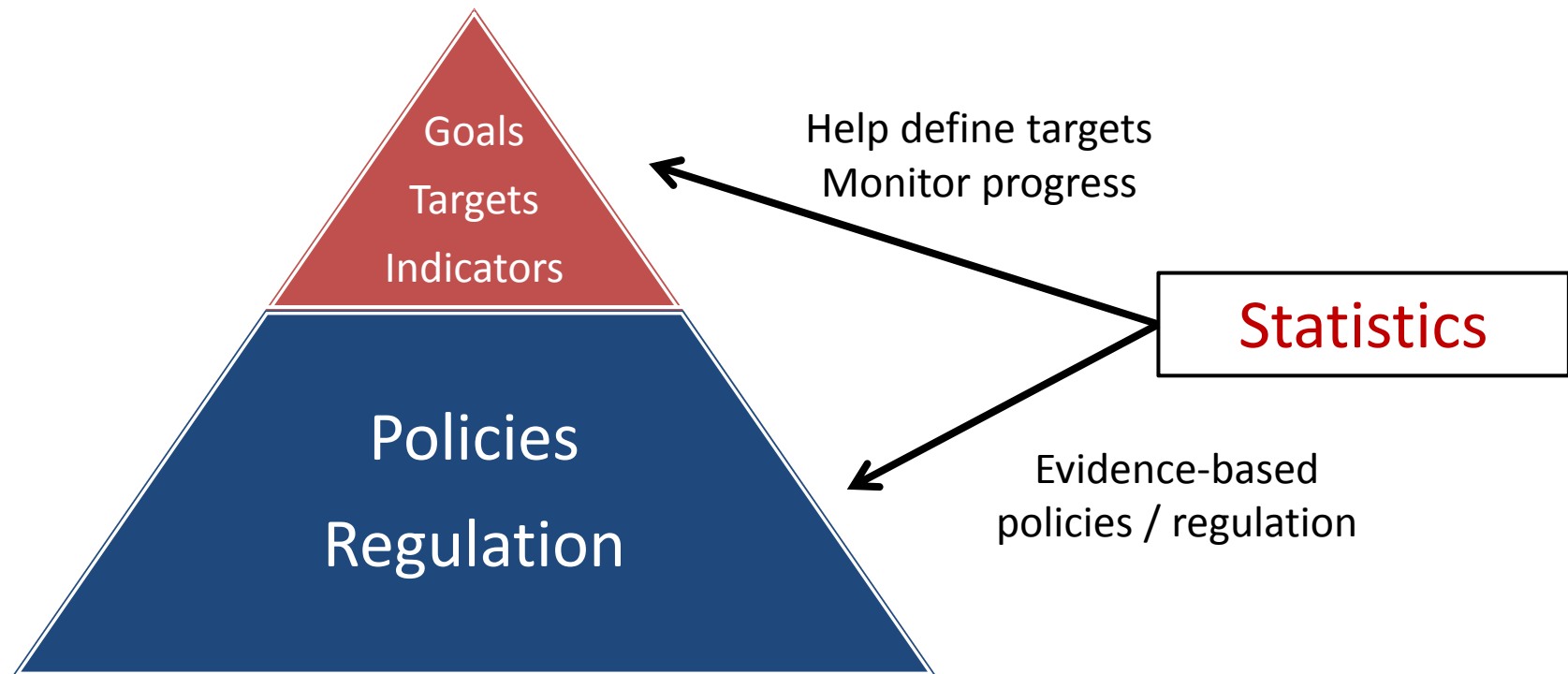
Geneva, 25 September 2014

## ICT Data and Statistics

Susan Teltscher  
Head, ICT Data and Statistics Division  
ITU/BDT



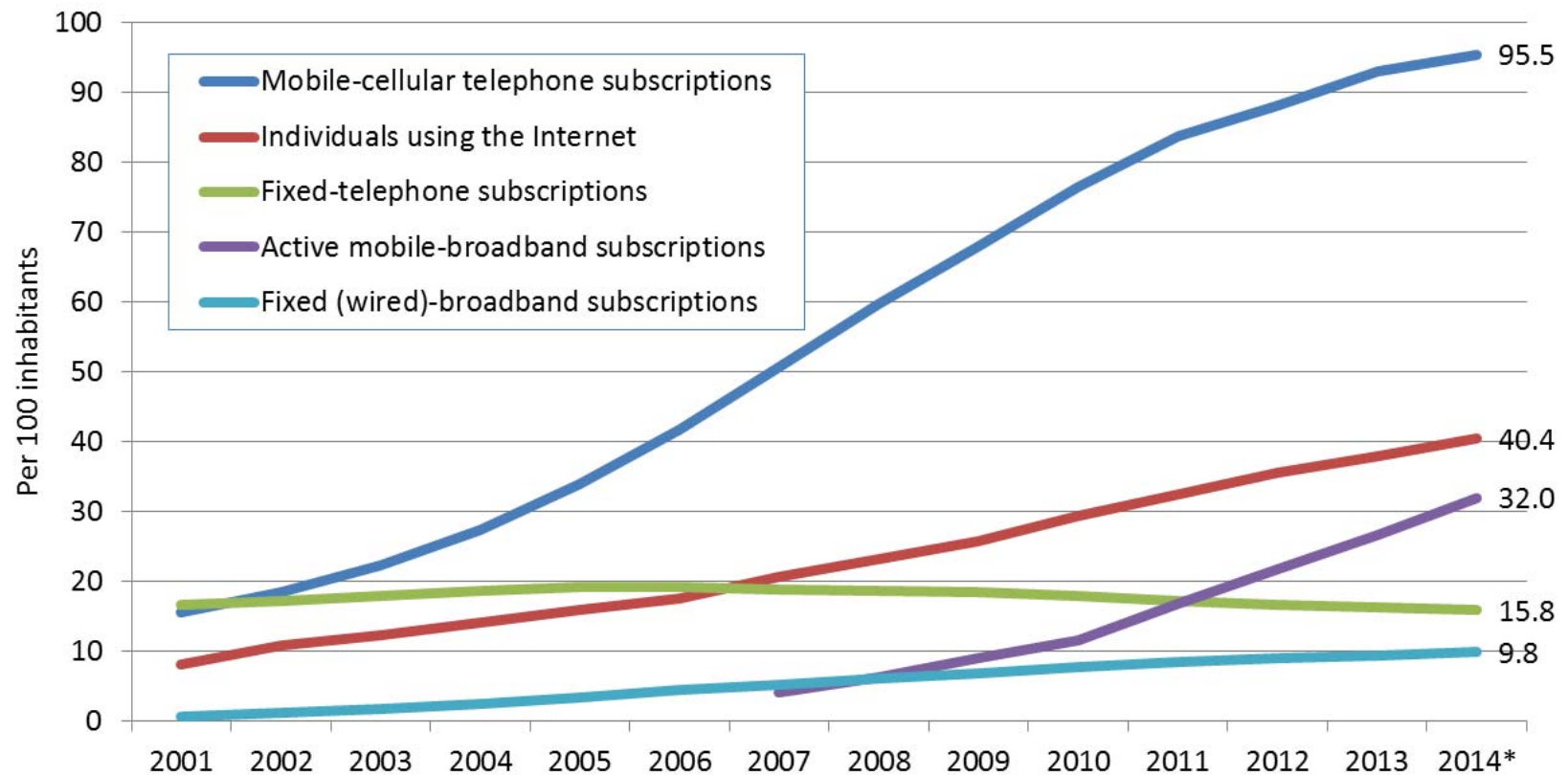
# Role of statistics in ICT policy making



# Global ICT developments

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**Global ICT developments, 2001-2014**

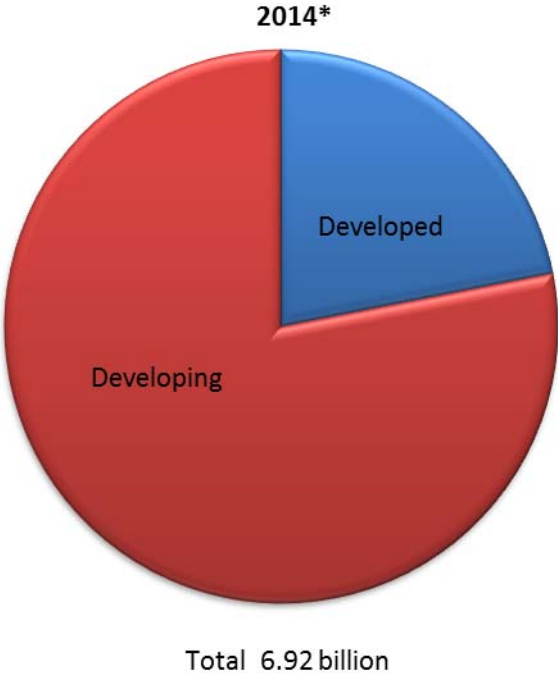
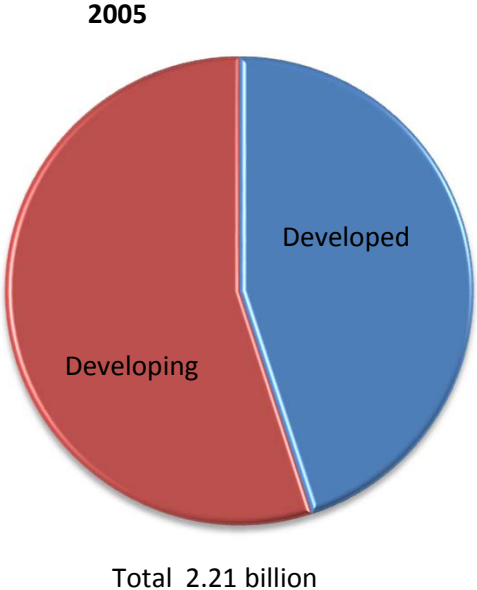
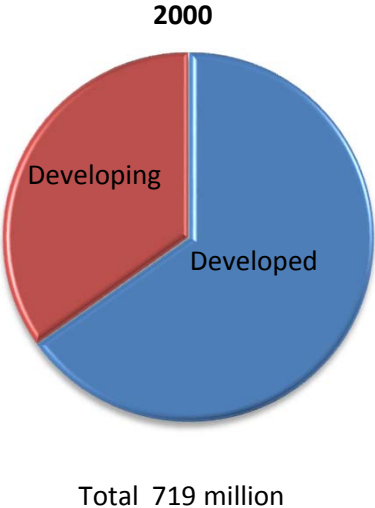


Note: \* Estimate

Source: ITU World Telecommunication /ICT Indicators database

# Global ICT developments

## Mobile revolution



Number of mobile-cellular subscriptions

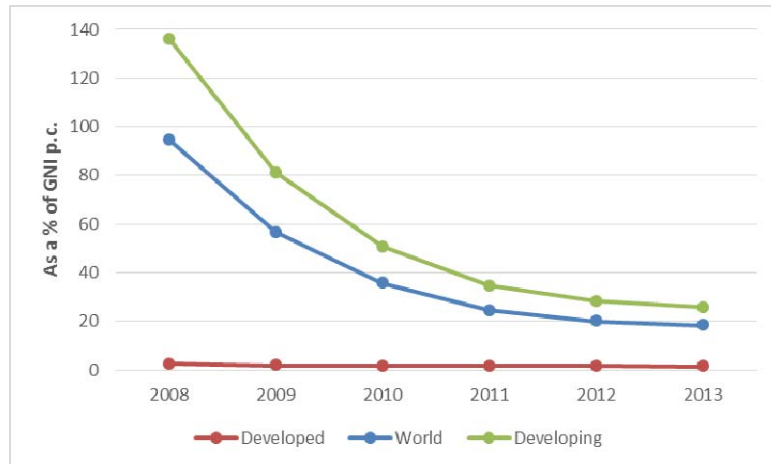
Source: ITU WTI Database  
\* Estimate

# Global ICT developments

## Affordability of ICT services

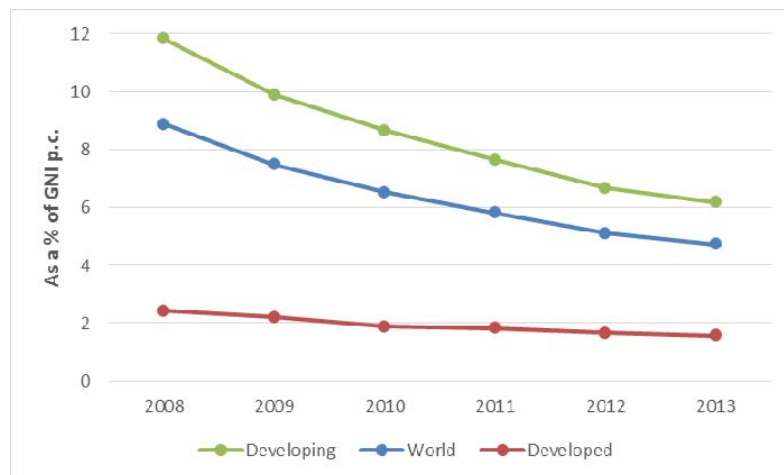
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Price of fixed broadband as a % of GNI p.c.



- Steep fall in consumer prices of fixed-broadband services over the past 5 years
- In developing countries, fixed broadband still unaffordable for majority of population (on average 26% of GNI p.c.)

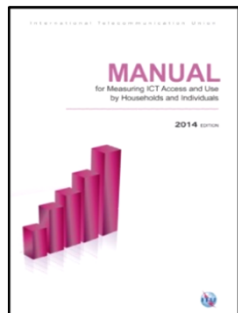
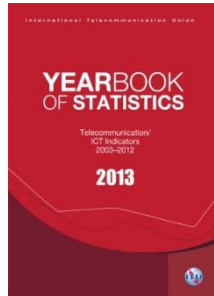
Price of mobile cellular as a % of GNI p.c.



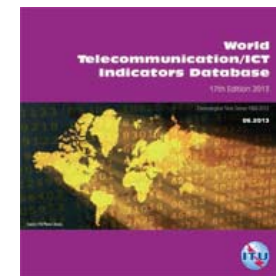
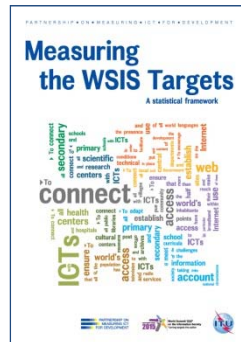
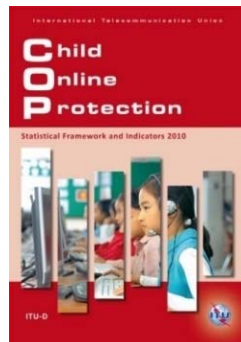
- Mobile cellular prices are relatively affordable in most countries
- Measured in USD, prices are lower in developing countries

# ITU: Source for global ICT statistics

- 50 years of data collection and dissemination
- Development of statistical standards
- Data analysis and flagship research reports
- Global forum for exchange (WTIS, Expert Groups)
- Capacity development
- WSIS and MDG monitoring



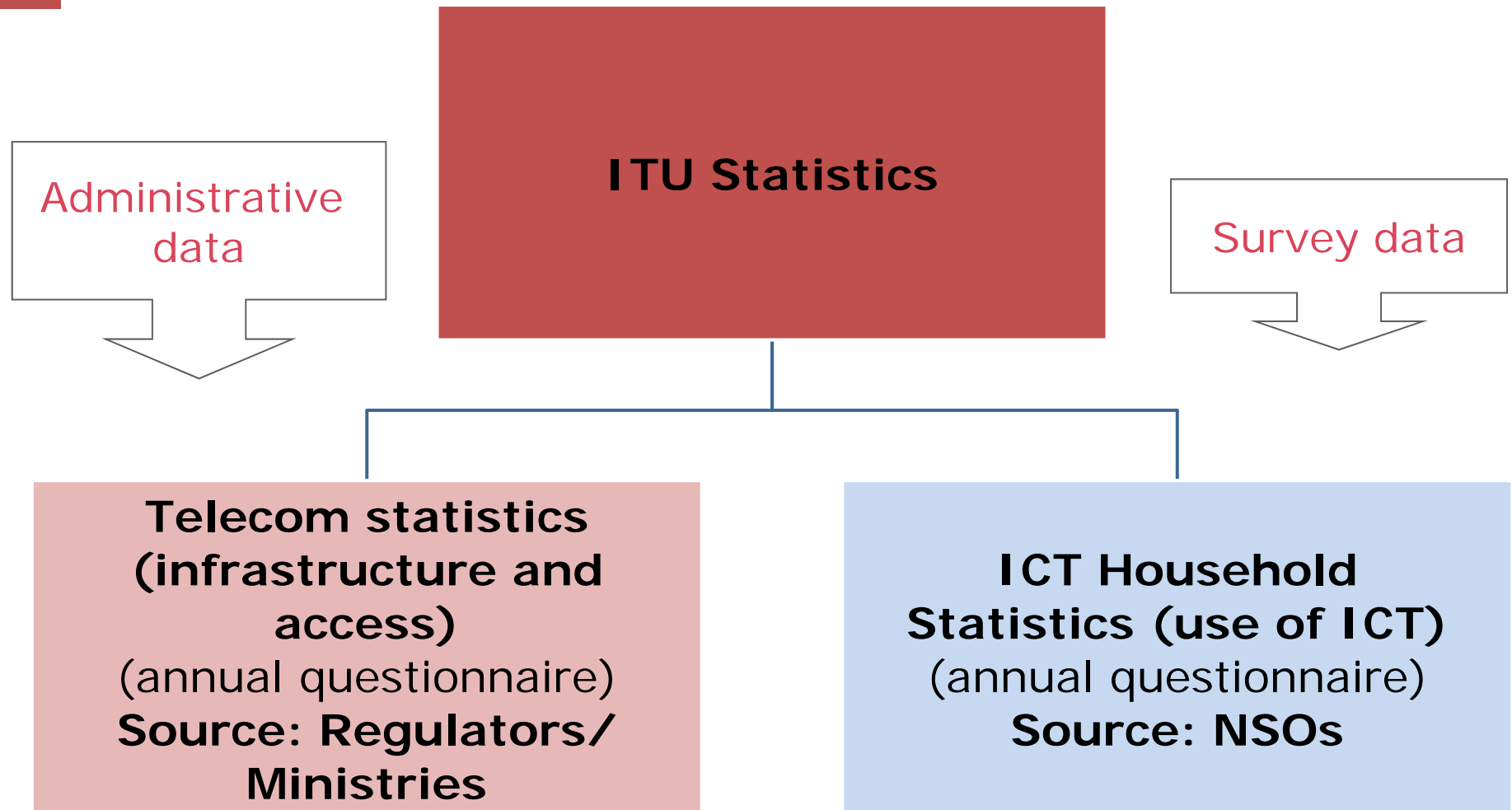
**PARTNERSHIP ON  
MEASURING ICT  
FOR DEVELOPMENT**





# ITU Statistics cover two sets of official data

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# Data collection and dissemination

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## Collection of data

- Four annual questionnaires collecting more than 100 indicators
- Administrative data: ICT infrastructure, fixed/mobile telephony and broadband, TV, prices, traffic, investment, revenue
- Survey data: households with radio, TV, telephone, computer, Internet; individual usage of ICTs (by age, gender, level of education, urban/rural etc.)
- Sent to national ICT statistical focal points

## Dissemination of data

- WTI database (2 editions per year – June and December)
- Online: ICT Eye, ITU Statistics website, Google PDE, UN Data portal
- Regional and global reports; ITU Yearbook of Statistics
- Statistical newsletters, leaflets
- Direct requests from users (more than 1000 per year)

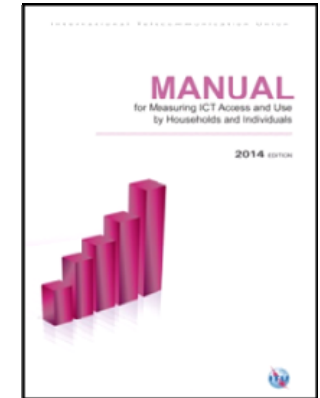


# EGTI and EGH

## Defining indicators and developing international standards

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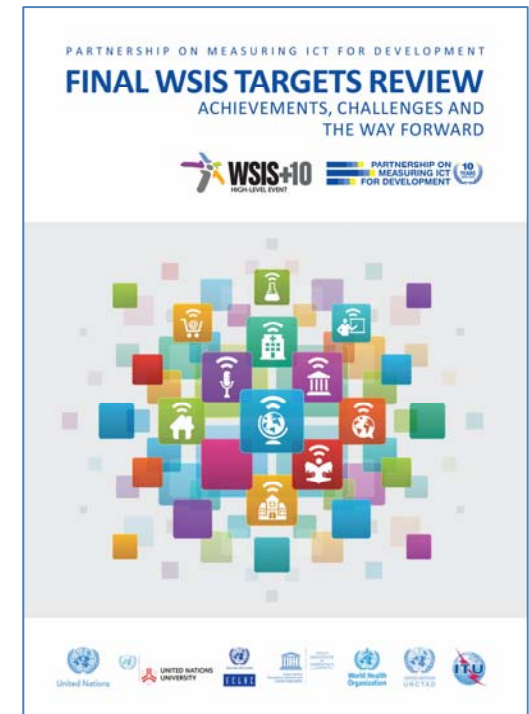
- Expert Group on Telecommunication/ICT Indicators (**EGTI**)
  - ▣ Since 2010
  - ▣ Around 500 members from 128 countries
- Expert Group on ICT Household Indicators (**EGH**)
  - ▣ Since 2012
  - ▣ Around 270 members from 100 countries
- Online discussion forum
- Face-to-face meeting
  - ▣ **15-19 September 2014, Geneva**
  - ▣ More than 100 participants from 49 countries



# WSIS+10 review

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- Partnership on Measuring ICT for Development developed a set of indicators to measure the **WSIS targets**
- Final assessment of progress made towards each of the ten WSIS targets
  - Major report coordinated by ITU and involving many contributors
  - The **only quantitative** global assessment of WSIS outcomes
  - Based on data collection carried out in 2013 with all member states (WSIS targets questionnaire)
  - **10-year review of progress** made towards achievement of WSIS targets – major milestone in tracking information society worldwide
  - Input to debate on **post 2015 agenda** – forward looking recommendation
- Launched at WSIS+10 High-level Event, 10-13 June 2014, Geneva



 PARTNERSHIP ON  
MEASURING ICT  
FOR DEVELOPMENT

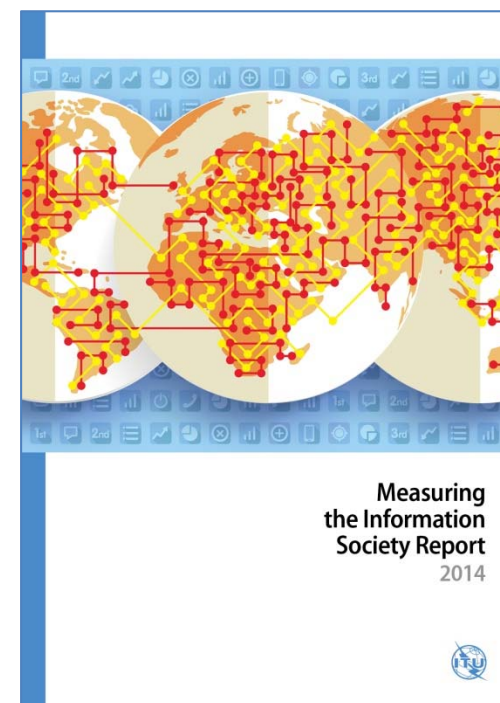


# Measuring the Information Society (MIS) Report 2014



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- Latest trends in ICT developments worldwide
  - ▣ Fixed/mobile market, Internet usage, revenue, investment, ICT in schools, e-government, e-business
- ICT Development Index (IDI)
  - ▣ Digital divide, regional analysis, top and dynamic performers, IDI and MDGs, IDI and geography
- ICT prices and the role of competition
  - ▣ ICT Price Basket (IPB) and income distribution
  - ▣ Impact of competition/regulation on prices and affordability
- Big data from the telecommunication/ICT industry
  - ▣ Big data as a source of real-time information
  - ▣ Challenges and opportunities



**MIS Report 2014 launch: 26 November 2014, Tbilisi, Georgia  
(at WTIS 2014)**

# ITU strategic goals and targets

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## Global ICT goals

- **1 GROWTH**  
Enable and foster access to and increased use of telecommunications/ICTs
- **2 INCLUSIVENESS**  
Bridge the digital divide and provide broadband for all
- **3 SUSTAINABILITY**  
Manage challenges resulting from the telecommunication/ ICT development
- **4 INNOVATION & PARTNERSHIP**  
[Lead,] shape and adapt [the Union] to the changing telecommunication/ICT environment

- Expected to be approved by the ITU Plenipotentiary Conference (PP-14)
- Busan, Republic of Korea, 20 October to 7 November 2014
- **Measurable targets – ICT indicators**





# ITU strategic goals and targets

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## Goal 1 Growth – Enable and foster access to and increased use of telecommunications/ICTs

- **Target 1.1:** Worldwide, 55% of households should have access to the Internet by 2020
- **Target 1.2:** Worldwide, 60% of individuals should be using the Internet by 2020
- **Target 1.3:** Worldwide, telecommunication/ICTs should be 40% more affordable by 2020

## Goal 2 Inclusiveness – Bridge the digital divide and provide broadband for all

- **Target 2.1.A:** In the developing world, 50% of households should have access to the Internet by 2020
- **Target 2.1.B:** In the least developed countries (LDCs), 15% of households should have access to the Internet by 2020
- **Target 2.2.A:** In the developing world, 50% of individuals should be using the Internet by 2020
- **Target 2.2.B:** In the least developed countries (LDCs), 20% of individuals should be using the Internet by 2020
- **Target 2.3.A:** The affordability gap between developed and developing countries should be reduced by 40% by 2020
- **Target 2.3.B:** Broadband services should cost no more than 5% of average monthly income in developing countries by 2020
- **Target 2.4:** Worldwide, 90% of the rural population should be covered by broadband services by 2020
- **Target 2.5.A:** Gender equality among Internet users should be reached by 2020
- **Target 2.5.B:** Enabling environments ensuring accessible telecommunications/ICTs for persons with disabilities should be established in all countries by 2020

## Goal 3 Sustainability – Manage challenges resulting from the telecommunication/ICT development

- **Target 3.1:** Cybersecurity readiness should be improved by 40% by 2020
- **Target 3.2:** Volume of redundant e-waste to be reduced by 50% by 2020
- **Target 3.3:** Green House Gas emissions generated by the telecommunication/ICT sector to be decreased per device by 30% by 2020

## Goal 4 Innovation and partnership – [Lead,] shape and adapt [the Union] to the changing telecommunication/ICT environment

- **Target 4.1:** Telecommunication/ICT environment conducive to innovation
- **Target 4.2:** Effective partnerships of stakeholders in telecommunication/ICT environment

# 12th World Telecommunication/ICT Indicators Symposium (WTIS)



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- 24-26 November 2014, Tbilisi, Georgia; pre-event on 23 November 2014
- Main global event on ICT measurement - bringing together ICT policy and ICT data community
- Presentation of work of EGH and EGTI for adoption
- Main agenda topics
  - ▣ Post 2015, future ICT-for-development priorities and measurement
  - ▣ Measuring competition and affordability
  - ▣ Big data
  - ▣ Data quality, open data
  - ▣ Partnership on Measuring ICT for Development
- Launch of the MIS Report 2014 – high-level panel on top performers and dynamic countries



Thank you



For more information and data:  
[www.itu.int/en/ITU-D/statistics](http://www.itu.int/en/ITU-D/statistics)