INTERNATIONAL TELECOMMUNICATION UNION
Telecommunication Development Bureau
Telecommunication Statistics and Data Unit

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3rd World Telecommunication/ICT Indicators Meeting

Geneva, 15 - 17 January 2003

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ITU

Title: **ITU Data Collection and Processing (PowerPoint presentation)**

ITU Data Collection and Processing

International Telecommunication Union (ITU)
World Telecommunication/ICT Indicators Meeting
Geneva, Switzerland
15-17 January 2003
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Topics

- ITU statistical obligation
- Data collection
- ICT Indicators
- Challenges
- Management of statistical data
- Data retrieval and dissemination
- Publications
- Requests

ITU Statistical Obligation

- As a United Nations agency, the ITU has an obligation to produce statistics covering its sector. This is in line with other specialized agencies that publish statistics covering their respective field of operations. This forms part of the global statistical system of the UN.
- Inside ITU, Resolution No. 8 (Istanbul, 2002) calls on the Director of the BDT *"…to survey countries and produce world and regional reports, in particular on…world telecommunication development*."

Data collection

- Data dates back from 1960
- Data are collected for around 100 indicators for more than 200 countries and territories
- Data are collected by means of annual questionnaire
- Data providers are ministries, regulators, telecom operators
- Annual reports and industry analyses are consulted to check accuracy of data and fill missing data

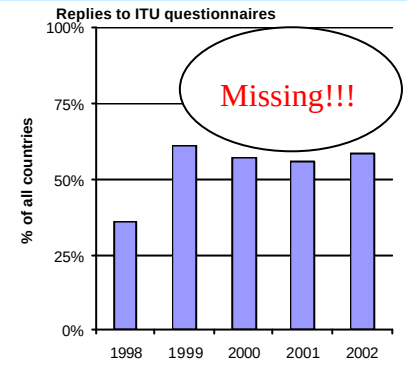
ICT Indicators at 2002 data collection

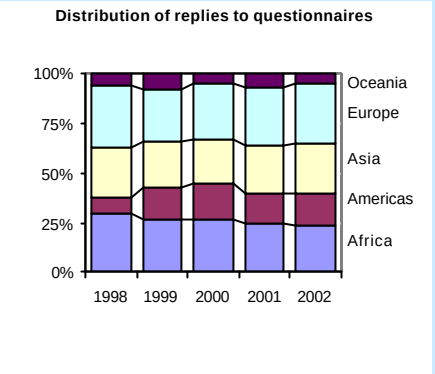
i. Telephone Network
ii. Mobile Services
iii. Other services
iv. Traffic
v. Staff
vi. Quality of Service
vii. Tariffs
viii. Revenue and Expense
ix. Capital Expenditure
x. Broadcasting
xi. Information Technology

Challenges

- Not every country returns/answers questionnaire
- Incomplete data: Not all questions get answered
- More work to aggregate operators' data since the fall of monopoly
- Operators data or annual reports sometimes not available
- Newer ICT data hard to obtain from developing countries
- Not all national statistical agencies collect ICT statistics

Challenges



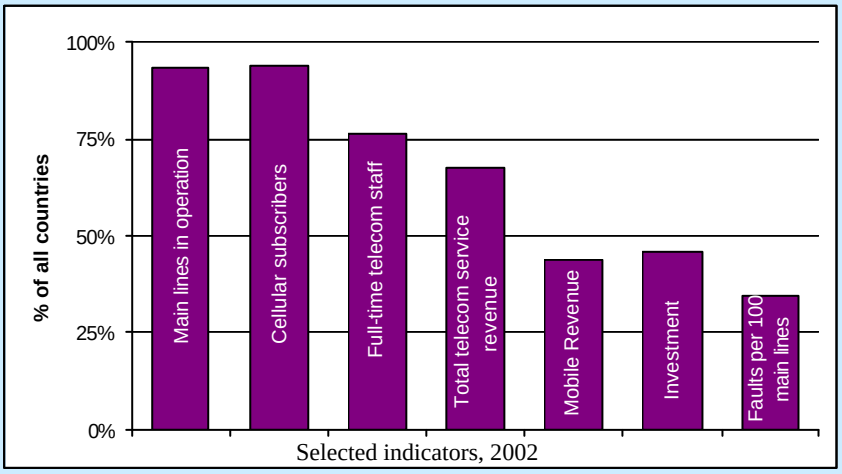


-% of countries that replied for last 3 years don't exceed 60%

-From 2001, replies from 4 regions had fallen if not maintained

Challenges

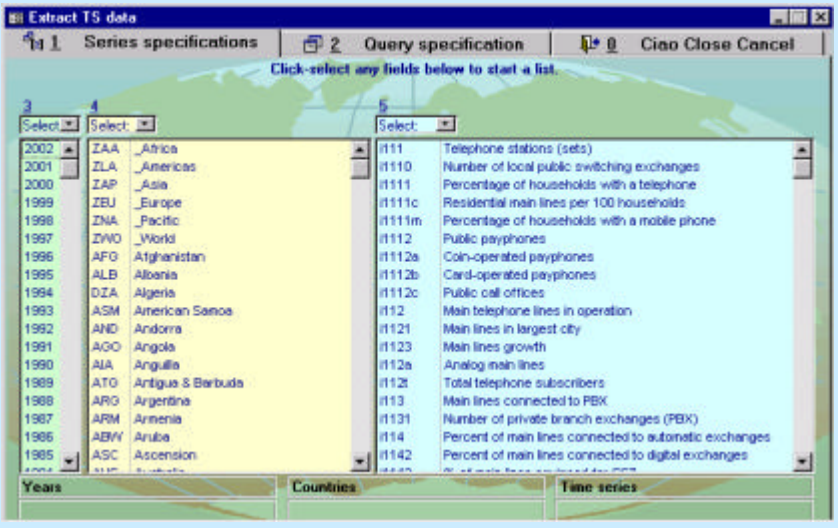
Incomplete data: Not All questions get answered



Management of statistical data

- Data stored include:
  - annual numerical data (indicators)
  - industry/country operators' information (contact details, operators functions, short description, etc.)
- Updated regularly to cope with the fast changing ICT environment
  - New indicators added
  - "Old" indicators kept in the database for future use

Data Retrieval

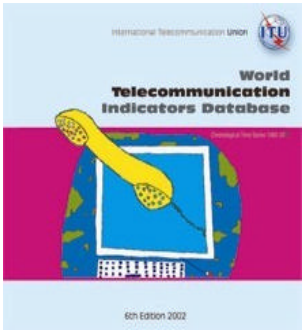


- Using MS ACCESS application, we can:
  - Query/ extract data depending on users needs

Data presentation

•Reports either by indicator, by country, by region and by operator can be generated using above window.

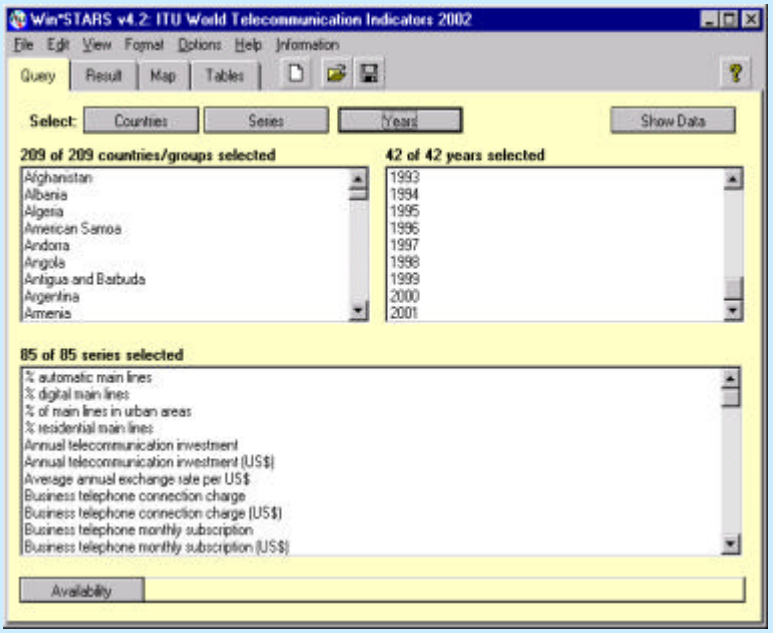
Data dissemination



World Telecommunication Indicators Database, 6th edition
JUST RELEASED!!!

- World Telecommunication Indicators Database
  - Runs on Windows PC
  - Available in CD-ROM format and on-line download (one-time or annual subscription)
  - Updated every 3 months
  - Contains data from 1960, 1965, 1970 and annually from 1975 until 2001
  - Data for more than 200 countries and 80 telecommunication/ICT statistics

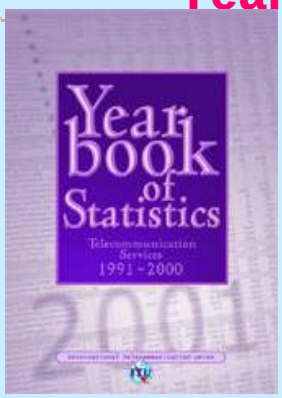
World Telecommunication Indicators

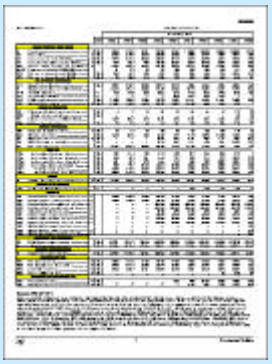


Other forms of dissemination

- ITU Statistical Publications
- Free statistics published in our ICT website for basic indicators, cellular subscribers, information technology and data for top operators (http://www.itu.int/ITU-D/ict/statistics/)
- Requests made by users either by phone, fax or email

Yearbook of Statistics

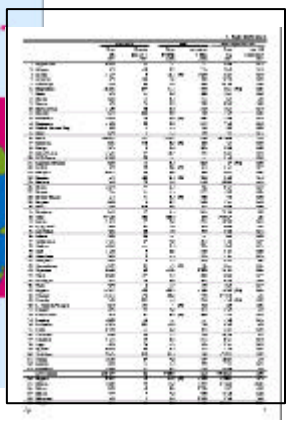




Yearbook of Statistics
Telecommunication Services
1991-2000

- First Statistical Yearbook issued 40 years ago
  - Published towards the end of each year
  - Containing country pages for around 180 countries
  - Each country page contains data for 10 years
  - Latest edition contains data until 2000
  - Available in paper and electronic (PDF) format.

World Telecommunication Development Report



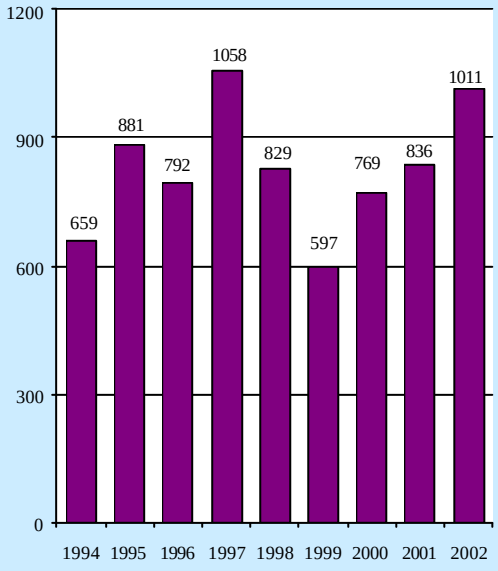
World Telecommunication Development Report 2002

- 6th Edition specifically prepared for WTDC-02 in Istanbul
  - Published every 2 years
  - Contains analysis and highlights
  - Contains latest telecommunication/ICT indicators for around 200 countries
  - Available in paper and electronic (PDF) format.

Regional Publications

- Regional Telecommunication Indicators
  - Specifically prepared for regional Telecom events
  - Contains 3 parts: Overview, regional statistics and directory of telecommunication operators
  - Asia Pacific Telecommunication Indicators 2002 released in Telecom Asia 2002

Requests received



- From 2001, refers to requests received by email
- Highest amount of requests came when a publication is released
- Request are mainly coming from analysts, students and press
- Average request for 2002 is 85 per month
- Number of requests is still high despite availability of important statistics at our website

Thank You.