

The UNESCO Institute for Statistics (UIS) Communication Statistics Programme

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ITU Global Indicators Workshop on Community Access to ICTs

Mexico City

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UNESCO Institute for Statistics

Who are we ?

- Semi-autonomous body whose mandate is to support statistical activities of UNESCO in areas of education, Science & Technology, Culture & Communications
- Formally established in November 1999 with new director: Denise Lievesley
- Statutes and financial arrangements agreed by UNESCO General Conference
- Have our own governing board but receive a regular budget from UNESCO in a special account
- Relocated in Montreal in September 2001 with mostly new staff

- Collection and dissemination of cross-nationally comparable data on education, science & technology, culture & communications
- Methodological, technical and conceptual statistical development; establishment and maintenance of international classifications
- Analysis and interpretation of international data (often in partnership with others)
- Statistical capacity building within countries for users and producers of data

- Formerly ran battery of six international surveys sent annually or biennially to 189 Member States;
CULTURE: museums, libraries, films and cinemas, book production;
COMMUNICATION/CULTURE: printed press, broadcasting (radio/ TV).
- Mainly limited to infrastructure aspects from administrative sources; nothing on access, usage, impact.
- Collected from national statistical offices as secondary data: plagued with data quality problems!
- Decided to suspend the collections (temporarily?) to take a fresh look with a view towards renewal

Two main reasons:

- A) Problems with past data: data quality issues (data discrepancies, timeliness and issues of missing data) and UIS instruments/ questionnaires out-of-date and not user-friendly.
- B) Data collections limited to answering questions on institutional and infrastructure aspects; what about access, usage and impact?
- Need to consider broader spectrum of issues!
 - Building new Communication statistics programme to promote evidence-based national policies!
 - Extensive consultation + long-term strategy paper being drafted + new programme to be launched in 2005
 - Meanwhile a little about current UIS initiatives...

World Summit on the Information Society (WSIS) 2003: MEASUREMENT SIDE EVENT + BIRTH OF PARTNERSHIP

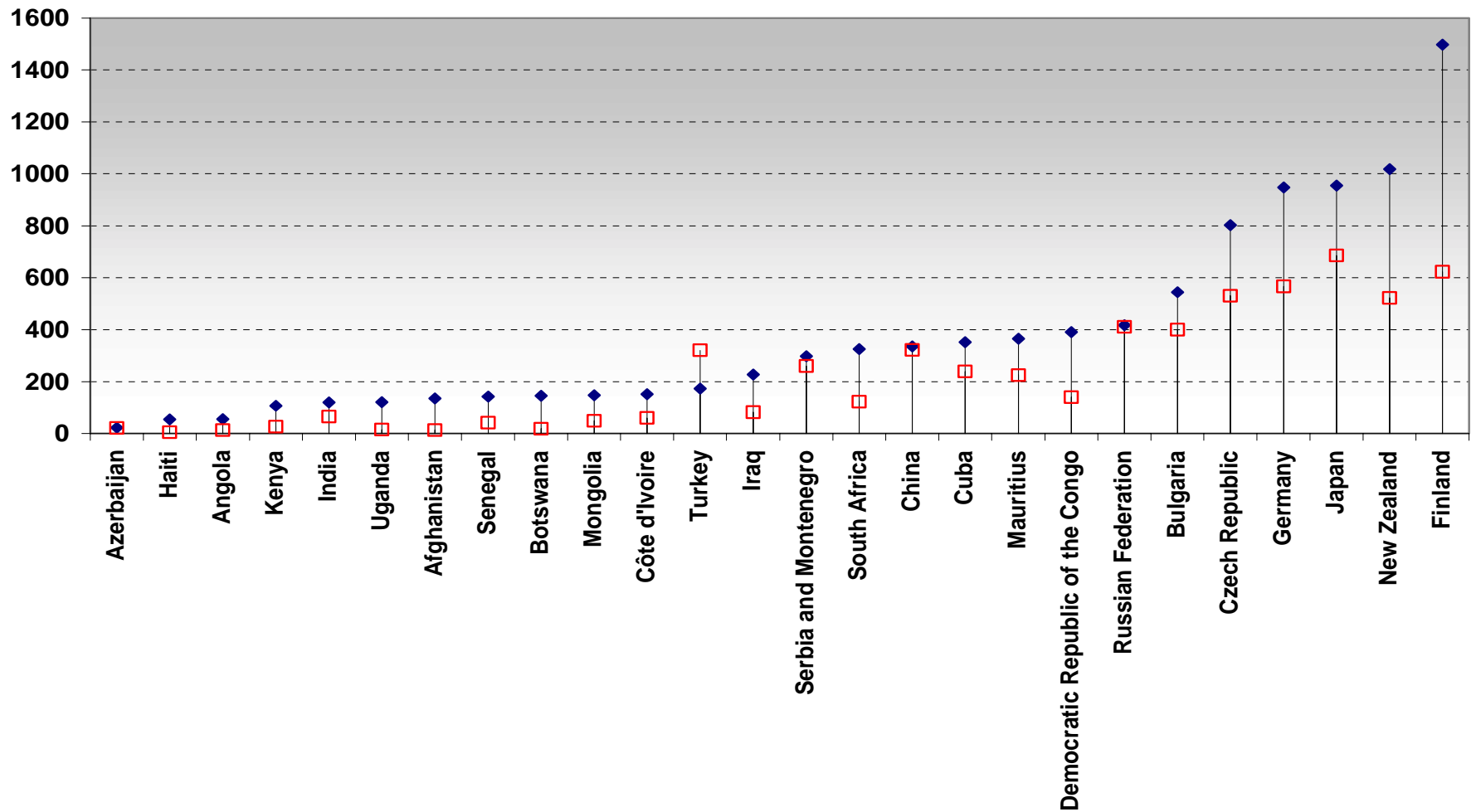
- Two-day WSIS side event jointly organized with UIS, UNECE, UNCTAD, ITU, OECD, Eurostat
- UIS sponsored session with a dual focus of “ICT & Education” and “ICT & Gender”
- 150 participants across 60 countries and 5 continents
- Papers available in six languages at:
<http://www.unece.org/stats/documents/2003.12.wsis.htm>
- Chief outcome: agreement to launch “Partnership on Measuring ICT for Development” (UIS, UNCTAD, ITU, OECD, UN Regional Commissions + COUNTRIES)
- Expected Output: a) agreement on core set of ICT indicators to be collected at national levels; b) building of international ICT database; c) related statistical capacity building activities
- Results to be fed back to WSIS 2005 (phase II)

RETOOLING UIS SURVEYS ON BROADCASTING AND PRESS

- UIS retooling two old surveys: press & broadcasting (radio and television)
- Recent calls from countries for data on broadcasting on “neglected technology” of radio and television
- WSIS Plan of Action Indicative Goal # B.6.h calls for monitoring of trends
- UIS deconstructing old questionnaire, developing more user-friendly formats + more up-to-date content.
- ITU collects data on radio & television households as well as cable television & home satellite subscribers; UIS intends to focus on complementary areas of content, personnel, language
- Meta-data/contact questionnaire launched in Nov/04; main questionnaire to be launched in spring 2005

Radio and Television Receivers for a Selection of Countries

Source: UIS 1997



◆ Radio Receivers per 1,000 inhabitants

□ Television Receivers per 1,000 inhabitants

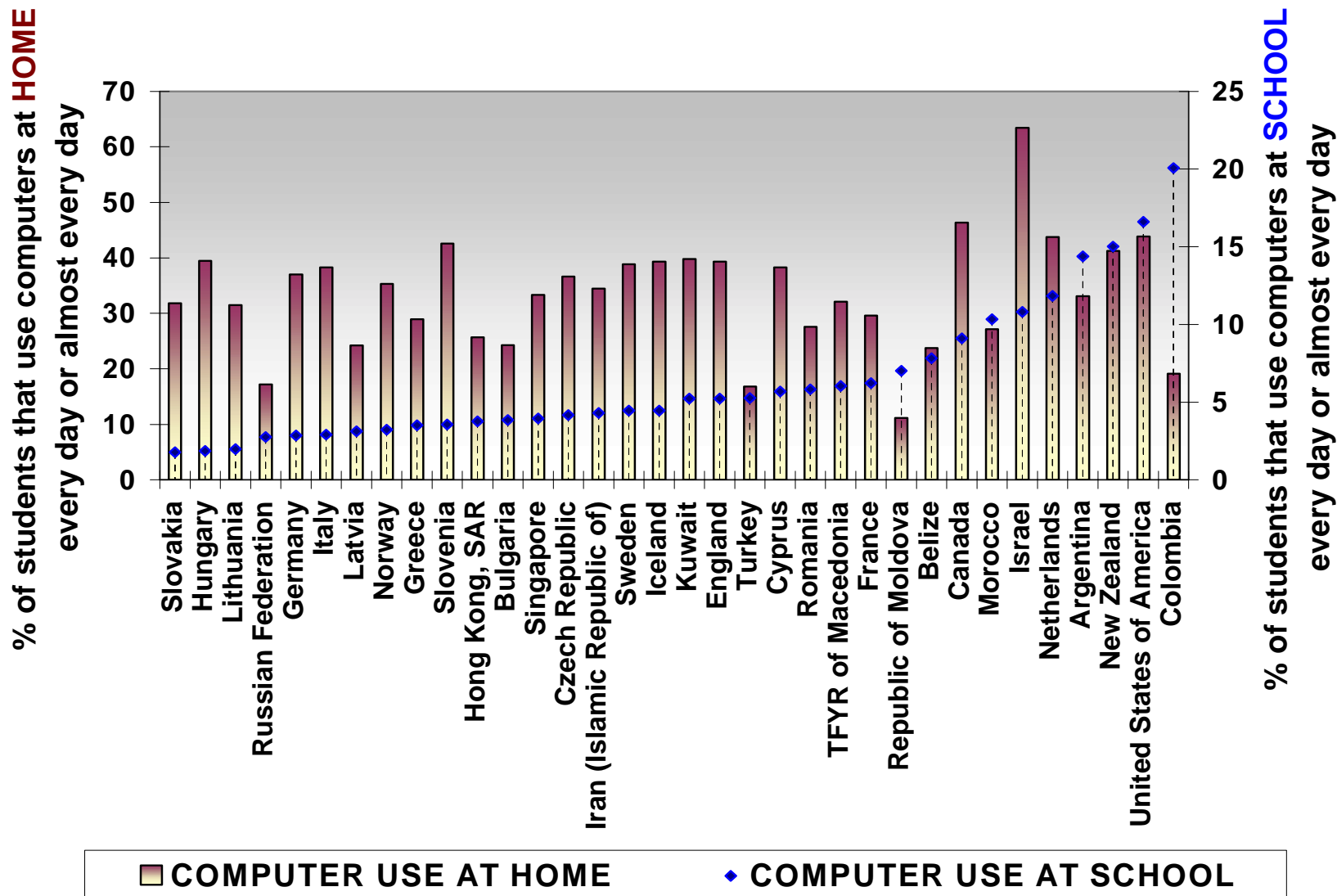
- UNESCO/UIS lead UN agency for communication; ITU for telecom - important to complement, not duplicate
- ITU, UNCTAD, OECD have own niches for ICT data collection
- UIS niche: ICTs AND EDUCATION! Reasons?
 - i) WSIS POA Indicative Goals #B.6.b and #B.6.g call for monitoring!
 - ii) Education & Communication cross-cutting for UNESCO/ UIS
 - iii) Unique niche for UIS relative to other international agencies

ICT & EDUCATION: META-ANALYSIS OF EXISTING SCHOOL SURVEY DATA

- Internationally-sponsored school surveys with ICT data collected relating to infrastructure, usage and impact
- Sources of School Survey Data: PISA 2002 (OECD), TIMSS 1999 (IEA), PIRLS 2001 (IEA), SITES 1999 (IEA), SACMEQ, MLA, LLECE (Laboratorio); surveys cover most countries of world
- Main focus education, but ICT components have not been analyzed across instruments!
- UIS making cross-national analytical comparison across surveys constrained by similarity of content and coverage; work to be completed in 2005

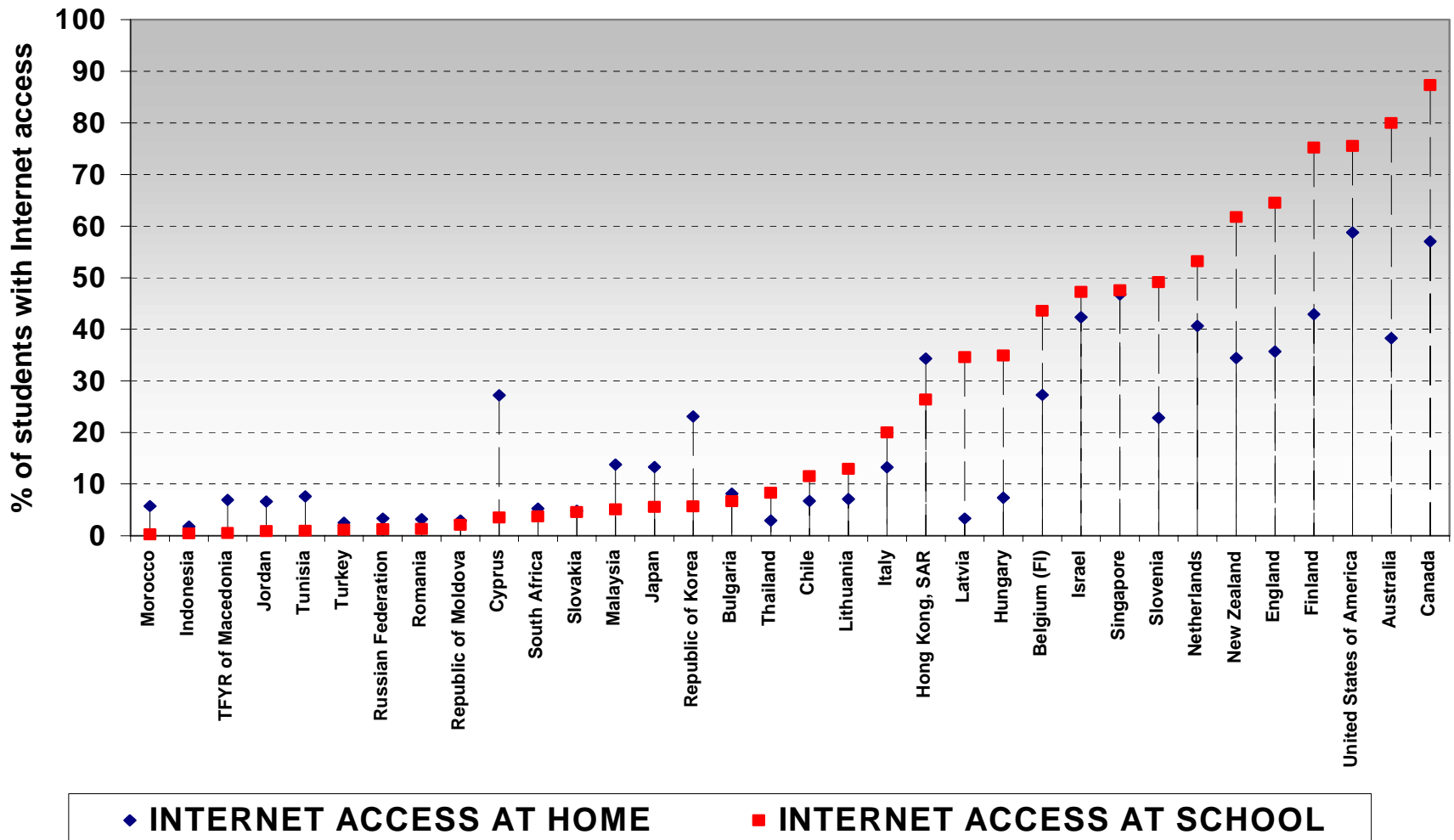
Computer Usage of Grade 4 Students

Source: PIRLS 2001



Internet Access of Grade 8 Students at School and Home

Source: TIMSS-R 1999



ICT COMPONENT ADDED TO UIS EDUCATION SURVEY & UIS LITERACY (LAMP) HOUSEHOLD SURVEY

- Current UIS annual education survey relating to enrolment, teachers and finance; nothing on ICTs
- 2005 round will see re-engineering and content update; opportune time to add ICTs
- Collecting from MOE within countries, therefore limited to information on ICT infrastructure
- But also embedding questions on ICT literacy & usage in UIS-sponsored Literacy (LAMP) Household Surveys

- 1) UIS Statistical Report “Measuring and Monitoring the Information and Knowledge Societies: A Statistical Challenge” for WSIS 2003; part of UNESCO series
 - Content: stocktaking of global ICT indicators, discussion on data quality issues, suggestions of data to collect in the future
 - Report available from UIS web site at:
http://www.uis.unesco.org/ev.php?ID=5504_201&ID2=DO_TOPIC

- 2) Report on Multilingualism on the Internet commissioned to Indiana University to be completed for WSIS 2005

- 3) Second report on Multilingualism commissioned to FUNREDES with Latin American perspective to be completed for WSIS 2005
 - Motivation: WSIS Plan of Action Indicative Goal # B.6.i