

UNESCO - United Nations Educational, Scientific and Cultural Organization

1. Demographic and social statistics (UNESCO)

1.3 Education (UNESCO)

Objectives

The UNESCO Institute for Statistics (UIS) aims to:

- Gather a wide range of quality statistical information to help Member States analyze the efficiency and effectiveness of their programmes and to inform their policy decisions;
- Interpret and report on the global situation with regard to education, science and technology, culture, and communication;
- Develop new indicators to better reflect emerging policy issues, especially in developing countries;
- Set and apply standards so that data are cross-nationally comparable;
- Reinforce national capacities enabling Member States to improve the quality, analysis and use of national and international data.

Work programme

The Institute's current programme includes:

- Improve the quality of education data collected through annual surveys, in co-ordination with OECD and Eurostat through the shared UOE (UNESCO-OECD-Eurostat) methodology in order to obtain a core set of quality education data, covering all levels of formal education from pre-primary to tertiary, as well as literacy and educational attainment data.
- Develop benchmarks and monitoring international goals, especially the Millennium Development Goals (see 3.3.5) and the objectives of Education for All (EFA).
- Develop and maintain key measurement frameworks and classifications (e.g., ISCED) and developing new indicator methodologies.
- Work with Member States to reinforce national capacities in the production and use of education statistics, particularly in Africa and Asia.
- Analyze and interpret education data - i.e. turning data into information.
- Produce international report on results from countries participating in the Literacy Assessment and Monitoring Programme (LAMP).

Data dissemination and analysis

- The UIS releases education data three times a year (January, May, and October) through its on-line Data Centre (www.uis.unesco.org). It also contributes education data to all major international reports such as the World Bank's World Development Indicators, Education for All Global Monitoring Report, UNDP Human Development Report, UNICEF's State of the World's Children, the Millennium Development Goals report and others. The UIS also collaborates with regional organizations. The annual UIS flagship publication for education statistics is the Global Education Digest.
- Other publications are available in print or CD-ROM formats and for consultation via the UIS website (www.uis.unesco.org), including:
 - statistical profiles and fact sheets (country and issues-based);
 - thematic research and analysis;
 - education electronic atlases.

Ongoing work

- Work with Member States to map education systems to the newly revised International Standard Classification of Education (ISCED 2011).
- Improve indicator methodologies to monitor progress towards education goals and take part in elaboration of indicators to monitor post-2015 targets.
- Improve transparency and use of international education indicators.
- Undertake projections of literacy and educational attainment indicators.
- Redesign data collection instruments; implement regional modules.
- Analyse indicators on secondary and higher education, education financing and children out of school.
- Directly assess reading and numeracy skills among youth and adults in countries participating in LAMP.

Priority objectives beyond 2013

- Benchmark and improve data quality.
- Monitor education progress beyond 2015.
- Reinforce statistics on human development (e.g. gender equality, education outcomes as well as science, technology and innovation).
- Produce more policy-relevant indicators.
- Promote greater access to and use of UIS data.

New work to be undertaken in 2013

- Analyse indicators for sub-Saharan Africa and Latin America regional modules.
- Develop global modules on teachers.
- Improve education finance statistics.
- Implement new ISCED fields of education classification.
- Strengthen quality of educational attainment data.
- Implement education survey redesign.
- Improve data visualization and presentation on UIS website.
- Implement catalogue of student achievement assessments and examinations.

Meetings to be organized in 2013

- Measuring educational attainment expert meeting.
- Regional and global workshops on children out of school.
- Regional and cluster education statistics workshops (in Central and West Africa, Latin America and the Caribbean, Central Asia and the Arab States).
- National data plan workshops.
- National workshops in selected countries to reinforce capacities to compile, report and use education finance data for policymaking.

1.9 Culture (UNESCO)

Objectives

Work Programme

The Institute's current work programme includes:

- Collect, disseminate and analyse selected cultural data via global surveys.
- Develop new methodologies and standards to support countries in the production of cultural statistics.
- Reinforce national capacities in cultural statistics through the provision of technical support and training.

Ongoing methodological work:

- Production of a new handbook concerning the implementation of the 2009 Framework for Cultural Statistics.
- Formulate recommendations for the improvement of the cultural component of international classifications.
- Methodological work on the measurement of the economic contribution of culture.

Priority objectives beyond 2013

- Improve the coverage and the quality of cross-nationally comparable cinema data collected through biennial surveys.
- Implementation of a global survey of cultural employment statistics.
- Ongoing capacity-building activities to improve the production and use of cultural statistics.

New work to be undertaken in 2013

- Publication of an analytical report of global statistics on feature film sector.
- Pilot new cultural employment survey.
- Production of a short analytical report analysing selected cultural employment data and indicators.

- Continued provision of technical assistance and training to selected countries.
- Release handbook on festival statistics.
- Ongoing methodological work to measure the economic contribution of culture.

Meetings to be organized in 2013

- Regional training workshop for South and West Asia.
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2. Economic statistics (UNESCO)

2.9 Science and technology (UNESCO)

Research and Development, Human Resources in Science and Technology and Innovation

Objectives

Work Programme

The current programme of the UIS includes:

- Collection and publication of data and metadata on research and development (R&D) and innovation from all countries in the world in co-ordination with OECD, Eurostat and RICYT (Latin American network on S&T indicators).
- Pilot data collection on innovation conducted in about 20 developing countries.
- Development of an inventory of innovation surveys carried out worldwide.
- Production of guidelines on how to conduct R&D surveys in developing countries.
- Promotion of a model survey on the careers of doctorate holders in a joint project with OECD and Eurostat.
- Publications of results of the R&D and innovation data collections.
- Training workshops on STI statistics.

Ongoing methodological work

- Prepare guidelines on how to conduct R&D surveys in developing countries, including the development of a model questionnaire.
- Review methodological issues in the Commonwealth of Independent States on the production of R&D data according to Frascati Manual standards.
- Revise concepts used for S&T Education and Training (STET) and S&T Services (STS).
- Contribute to ongoing work on measuring innovation in agriculture, the informal sector and the public sector.

Priority objectives beyond 2013

- 2014 UIS R&D survey.
- Establish global data collection on innovation conducted on a biennial basis (starting in 2013).
- Capacity-building activities.
- Methodological guidance for developing countries on the collection of R&D and innovation data.
- Analysis of STI indicators.

New work to be undertaken in 2013

- Global data collection on innovation.
- Publication on Higher Education and STI in Asia.
- Dissemination of innovation inventory.
- Production of a statistical annex for the World Social Science Report 2013.
- Calculate and publish regional averages of R&D data.

Meetings to be organized in 2013

- Capacity building workshops in Africa, Asia and South-Eastern Europe, including national workshops in China, Peru and Viet Nam.

3. Environment and multi-domain statistics (UNESCO)

3.3 Multi-domain statistics and indicators (UNESCO)

3.3.3 Information society (UNESCO)

Measuring Information Society

Objectives

Work programme

Ongoing methodological work

- Validation and recalibration of core indicators on: the use of information and communication technologies (ICT) in education; and cross-nationally comparable media statistics.

Priority objectives beyond 2013

- Establish two regular surveys on media statistics and the use of ICT in education.
- Joint activities with Asian partners for a regional data collection on ICT in education practices.

New work to be undertaken in 2013

- Analyse and publish regional data on ICT integration in education in Asia.
- Implement regional survey on ICT in education in francophone African countries.

Meetings to be organized in 2013

- Training workshop for national statisticians and policymakers in francophone Africa on ICT in education indicators.**3.3.5 Indicators related to the Millennium Development Goals (UNESCO)**

Data for MDGs

- UIS is responsible for providing the data to monitor the international education targets of the MDGs, namely goals 2 and 3.

4. Methodology of data collection, processing, dissemination and analysis (UNESCO)

4.2 Classifications (UNESCO)

Classifications

Work Programme

The current programme of the UIS includes:

- Training workshops for national statisticians on the implementation of the newly revised ISCED 2011.
- Collaboration with the EU in the adaptation of their Classification of Learning Activities to non-EU countries.
- Collaboration with EU and OECD on standards for adult and non-formal education.

4.3 Data sources (UNESCO)

4.3.1 Population and housing censuses, registers of population, dwellings and buildings (UNESCO)

Objectives

4.3.1 Population and housing censuses, registers of population, dwellings and buildings (UNESCO)

Work Programme

The current programme of the UIS includes:

- Participation in ECE and UN expert groups charged with revising census guidelines. The UIS has a special responsibility in the preparation of guidelines for education and is contributing to the development of guidelines for the topic of ICTs.

4.3.5 Other Administrative and non-Survey Sources

Work Programme

The current programme of the UIS includes:

- Improving the process of exchanging data between the UIS and other organizations through the implementation of SDMX. UIS is collaborating with OECD and Eurostat to produce an SDMX model for collecting/sharing STI Research and Development statistics.

4.5 Dissemination, Data Warehousing

Work Programme

The current programme of the UIS includes:

- Joining the dotStat SIS-CC community in 2012.
- Preparing to launch a new dissemination environment and data warehouse in 2013.

Priority objectives beyond 2013

- Improve the dissemination of UIS data.
- Continue to improve the user experience on the UIS Data Centre.

5. Strategic and managerial issues of official statistics (UNESCO)

5.3 Quality frameworks and measurement of performance of statistical systems and offices (UNESCO)

Data Quality

• The UIS has made improving data quality a major component of its current work programme, and systematically measures and reports on a key set of indicators aimed to assess the quality of its survey activities and the content of the international statistical database. In particular, the UIS Quality Monitoring and Reporting Framework aligns UIS strategic objectives to improve the timeliness and completeness of its data with a key set of performance indicators.

• The Insitute is working to improve the efficiency of its data collection and dissemination through the introduction on new statistical tools which support these processes more closely.

Priority objectives beyond 2013

- Improve the relevance of the current quality reports for all UIS surveys;
 - Improve the transparency of UIS data collection, processing and dissemination;
 - Improve statistical systems.
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