

UIS Mandate and Surveys Workshop on Eductional Expenditure

Dakar, Senegal 30 May 2016

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United Nations Educational, Scientific and Cultural Organization



UIS mandate— production of internationally comparable indicators

Development of international statistics on learning outcomes

Development of SDG 4 education indicators and Promotion of data use and analysis

Development of international Statistics on Science and Technology, Communication and Information and Culture

Reinforcement of cross cutting statistical activities

Setting standards –norms and definitions

UIS methodologies:

International Standard Classification on Education (ISCED)

Developed to map national education programmes into the International Standard Classification to produce internally comparable statistics on education

Framework for Cultural Statistics (FCS)

Frascati / Oslo Manual Initially development

Initially developed for use

in developed countries – annex published by the UIS in 2012 which provides guidelines on reducing the complexity of surveys to measure research and development in developing countries

Data Quality Assessment Framework (DQAF)

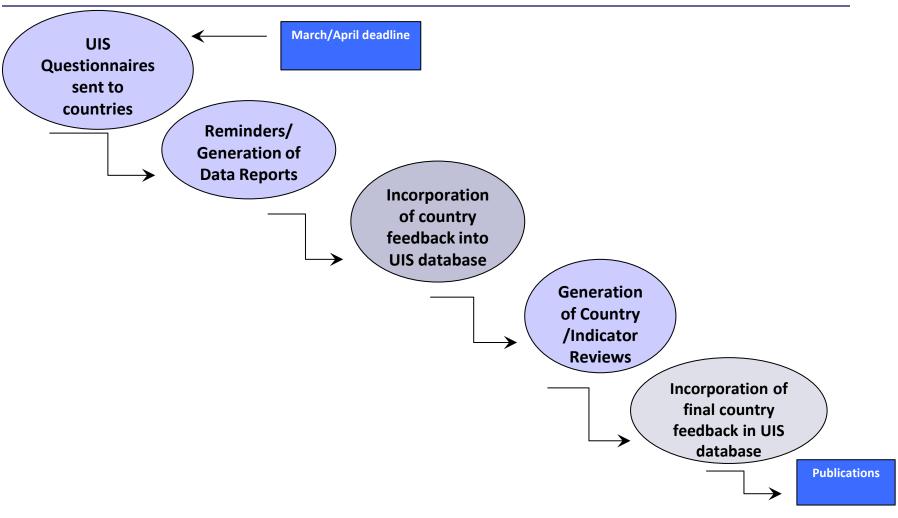
Developed to assess 6 dimensions of data quality allowing countries to score themselves against a standard matrix

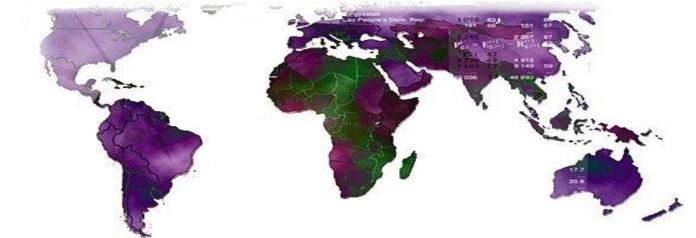


International Data Repository: annual or biennial surveys

- Culture –Feature Film; Cultural Employment
- Communication and Information Information and Communication Technologies (ICT) in Education
- Education Students and Teachers in Basic and Tertiary Education, Educational Expenditure, National Education Systems, Educational Attainment, Literacy, Catalogue on Learning Outcomes, Supplementary Questionnaire on teachers, Regional Module for Africa – 8 instruments
- Science, technology and innovation Research and Experimental Developmental (R&D) Statistics and Innovation Statistics

From UIS Survey Launch to Data Dissemination





Brief on UIS Surveys (where do data on Expenditure financing feature in UIS Questionnaires?)

Survey on Educational Expenditure



2016 SURVEY OF FORMAL EDUCATION Educational expenditure (ISCED 0-8)

monitoring of education systems worldwide. The data form a central part of the database of education statistics maintained by the UNESCO Institute for Statistics (UIS). They are disseminated widely to the user community and help to inform policymakers at both national and international levels. The data are required for the calculation of many education used in the monitoring of progress towards regional and global goals, including the post-2015 education targets

country. Moreover, if your government provides financial aid to students from your country who are studying abroad, these funds should be identified separately in the questionnaire, but not included in total government expenditure. If data are not available for some part of the system, please make estimates to ensure full data coverage.

Before completing this questionnaire, education programmes should first be classified by level according to the 2011 revision of the international Standard Classification of Education (ISCED 2011). The UIS will use the ISCED 2011 mapping of your country to validate your data submission. If your country does not have a recent ISCED mapping or if there have been subsequent changes to your national education system, please download and complete or update the questionnaire on National Education Systems (UIS/ED/ISC11) which is available on our

Financial year/reference period for the data collected in this questionnaire

layout and the integrity of the automatically calculated totals (shaded in blue) and validations. To the extent possible, data should be entered in the white cells only. If data are not available for a given category please use the missing codes described below.

naire contains validation checks using conditional formatting to highlight errors or invalid data entries. If further input is required, for example when a comment is need explain a missing code or if an error is detected in the data, the cell will turn yellow and/or a pop-up message will appear

In order to ensure the provision of complete data and metadata, each data item is composed of three distinct cells which accept numeric data (including zeros to indicate nil or negligible data), missing data codes and comments, respectively. Countries are requested to make every effort to provide complete data in the numeric cell, if data are not available please use the appropriate codes described below. Please note that the Excel commenting feature has been disabled. Comments should be entered in the appropriate comment cell



Contact information for the UNESCO Institute for Statistics

- Annual questionnaire sent to countries for 10+years;
- Collects data on 8 levels of education
- Potential for completion by more than one national entity;
- Tool to complete UIS Questionnaire B available to facilitate data collection for multiple years – UIS Finance template - main subject of this workshop!

Survey on Teachers - Remuneration



2016 SURVEY OF FORMAL EDUCATION **Supplementary Questionnaire on Teachers**

Data for the academic year ending in 2015

All UIS questionnaires and manuals are available on the Questionnaire Website:

Completed questionnaires should be sent by email attachment to: Data from previous surveys are available at: http://www.uis.unesco.org/datacentre

The Supplementary Questionnaire on Teachers has the same coverage as the US Survey of Formal Education. It covers formal initial and formal adult education from pre-primary to secondary education within the borders of your country, Data on all teachers employed in the country in both full public and private further communities. The proposed of the proposed prop

This questionnaire collects date on classroom teachers at ISECB levels. Or b and not their assignments to specific programmes, levels or grades. This means that each teacher should be counted one only if classroom teachers are assigned to more than one level or grade or if they have more than one treating contract, their numbers should be pro-reated according to the percentaging or contractual working (or teaching) hours devoted to each programme, level or grade during the reference school year. Where this information is unknown, classroom teachers should be gro-rated in equal shares to each programmes, level or grade to which they are assigned during the reference year.

If data on teachers with permanent contracts are not available, the number of civil servent teachers can be used as a proxy. If data are not available for private institutions, please report data for

ing this questionnaire, education programmes should first be classified by level according to the 2011 revision of the International Standard Classification of Education (ISCED 2013. The UIS will use the ISCED 2011 mapping of your country to validate your data submission, if your country does not have a recent ISCED mapping or if there have been subsequent chan to your national education systems, please download and complete or update the questionnaire on National Education Systems (UIS/ED/SCEI) which is available on our Cluestionnaire Website

This questionnaire collects data on the academic year ending in 2015 or a more recent year. If data are not available for 2015, please report the latest year for which data are available

This questionnaire has been designed for optimal functionality in Microsoft Excel 2010 but can also be used with other versions of Excel. The questionnaire has been locked to preserve the layout and the integrity of the automatically calculated totals (shaded in blue) and validations. To the extent possible, data should be entered in the white cells only. If data are not available for a given category please use the missing codes described below.

The quissionnaire contains validation checks using conditional formatting to highlight errors or in classification checks using conditional formatting to highlight errors or in classification or if an error is detected in the data, the cell will turn yellow and/or a poor up insigned appear.

missing data codes and comments, respectively. Countries are requested to make every effort to provide complete data in the numeric cell, if data are not available please use the appropriate codes described below. Please note that the Excel commenting feature has been disabled. Comments should be entered in the numeric cell, and the second comment cell.



These cells only accept the letters 2, X, W or M and are located to the right of the major class cells only accept the letters 2, X, W or M and are located to the right of the major class cells only accept the letters 2, X, W or M and are located to the right of the major class cells on the converge of the correct use of odds a. The color are used in valuable, ensure a considerable of the converge of the conver using the following codes:

If a data item or table refers to a category which does not apply or exist in your national education system (e.g. ISCED 4 programmes do not exist in your country), please enter 0 in the numeric data cell and enter 2" in the related codes cell. The use of this code indicates that data for these categories do not even hypothetically exist.

If a data term or category exists in your national education system but cannot be disaggregated from another category, please leave the numeric data cell blank and enter "C in related codes cell Please also included in the comment cell by using the Kscole column and row identifiers or free text. Where exprepriate, please also use the code "W described of the comment cell by using the Kscole column and row identifiers or free text. Where exprepriate, please also use the code "W described of the collection and row identifiers or free text." Where expressions are considered in the construction of the c

W - includes data from another category

If a category exists in your national education system but the related data are not available, cannot be estimated are not included in any other cells of the questionnaire, please leave the carefed and are not included in any other cells of the questionnaire, please leave the careful blank and enter 'Ab' in the related codes cell. In such cases, please note that the total scandard to be missing or incomplete with respect to these categories. If possible, please provide a comment to indicate why data are not available.

Contact information for the UNESCO Institute for Statistics

VA 319 343 5740
UNESCO Institute for Statistics
PO Box 6128, Station Centre-ville
Montreal, QC H3C 317
CANADA

Web: http://www.uis.unesco.org

T6: Annual statutory teacher remuneration (units of national currency) in public institutions, by teaching level of education, contract type and teaching experience

		Teaching level of education										
Annual statutory teacher remuneration Public institutions only			Pre-primary All programmes		Primary All programmes		Lower secondary All programmes		Upper secondary			
		General programmes							Vocational programmes			
Contract type	Teaching experience	Remuneration	ISCED 02 ISCED 1 ISCED 2		2	ISCED 34		ISCED 35				
Permanent	In the first year of teaching	Annual gross statutory salary										
		Additional bonuses										
		Total remuneration										
	With 15 years' teaching experience	Annual gross statutory salary										
		Additional bonuses										
		Total remuneration										
	At the top of the salary scale	Annual gross statutory salary										Ш
		Additional bonuses										Ш
		Total remuneration										
Non- permanent	In the first year of teaching	Annual gross statutory salary										Ш
		Additional bonuses										
		Total remuneration										
	With 15 years' teaching experience	Annual gross statutory salary										Ш
		Additional bonuses										Ш
		Total remuneration										
	At the top of the salary scale	Annual gross statutory salary										
		Additional bonuses										
		Total remuneration										

Survey on R and D - Expenditure - Research



QUESTIONNAIRE ON RESEARCH AND EXPERIMENTAL **DEVELOPMENT (R&D) STATISTICS**

Data for the year 2014

This questionnaire is designed to collect the most recent statistics on science, technology and innovation (STI), specifically resources devoted to research and experimental development (R&D), in order to update the UNESCO Institute for Statistics (UIS) database on STI indicators. The data can be accessed on the UIS website and will be published in reports prepared by UNESCO, other UN agencies, and public and private institutions or individuals worldwide.

Instructions for completing the questionnaire

All UIS questionnaires and manuals are available on the Questionnaire Website

uis.survey@unesco.org

Completed questionnaires should be sent by email attachment to:

Data from previous surveys are available at:

http://www.uis.unesco.org/datacentre

Data reported in this questionnaire should cover all institutions carrying out R&D activities in your country. Only one questionnaire per country should be completed by the institution responsible for science and technology (S&I) policy or STI statistics (e.g. Ministry of Science and Technology, Ministry of Research and Higher Education, National S&T Council or a simil organization of by the National Statistical Office.

Reference period for the data collected in this questionnaire

This questionnaire collects data on the 2014 reference year, if data are not available for 2014, please report the latest year for which data are available, and indicate the reference year.

Using the Excel questionnaire

This questionnaire has been designed for optimal functionality in Microsoft Excel 2010 but can also be used with other versions of Excel. The questionnaire has been locked to preserve the layout and the integrity of the automatically calculated totals (shaded in blue) and validations. To the extent possible, data should be entered in the white cells only. If data are not available for a given category please use the missing codes described below.

The questionnaire contains validation checks using conditional formatting to highlight errors or invalid data entries. If further input is required, for example when a comment is needed to explain a missing code or if an error is detected in the data, the cell will turn yellow and/or a pop-up message will appear.

In order to ensure the provision of complete data and metadata, each data item is composed of three distinct cells which accept numeric data (including zeros to indicate nill or negligible data), missing data codes and comments, respectively. Countries are requested to make every effort to provide complete data in the numeric cell. If data are not available please use the appropriate codes described below. Please note that the Excel commenting feature has been disabled. Comments should be entered in the appropriate comment cell,



These cells only accept numeric values, including zeros (to indicate nil or negligible data). Please note that an error message will appear if a non-numeric value is entered. Please do not leave any "Numeric data cell' blank without an accompanying code in the respective "Code cell" (as described below). If not, please note that the total is considered to be missing or incomplete with respect to these categories.

These cells only accept the letters Z, X, W or M and are located to the right of the numeric data cells. The correct use of codes is an essential condition to ensure cross-national comparability and completeness of data. The codes are used in statistical analyses and reports to indicate the coverage of the data and to explain why data are not available. Please explain any data coverage issues using the following codes:

Z - category not applicable (previously denoted as 'a')

If a data item or table refers to a category which does not apply or exist in your national system, please leave the numeric data cell blank and enter 'Z' in the related codes cell. The use of this code indicates that data for these categories do not even hypothetically exist

If a data item or category exists in your national system but cannot be disaggregated from another category, please leave the numeric data cell blank and enter 'X' in related codes cell. Please also indicate in which cell the data are included in the comment cell by using the Excel column and row identifiers or free text. Where appropriate, please also use the code 'W' described

W - includes data from another category (new code)

If data include other categories and are therefore over-covered, please enter the value in the numeric data cell and 'W' in the related codes cell. Please also indicate in the comment cell which data are included by using the Excel column and row identifiers or free text. Where appropriate, please also use the 'X' code described above.

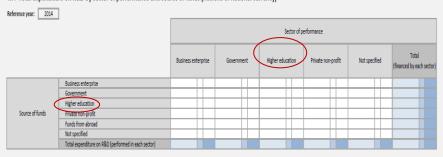
If a category exists in your national system but the related data are not available, cannot be estimated and are not included in any other cells of the questionnaire, please leave the numeric data cell blank and enter 'M' in the related codes cell. In such cases, please note that the total is considered to be missing or incomplete with respect to these categories. If possible, please provide a comment to indicate why data are not available.

Contact information for the UNESCO Institute for Statistics

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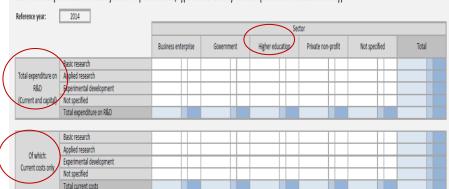
EXPENDITURE ON RESEARCH AND DEVELOPMENT (R&D)

R7: Total expenditure on R&D by sector of performance and source of funds (millions of national currency)

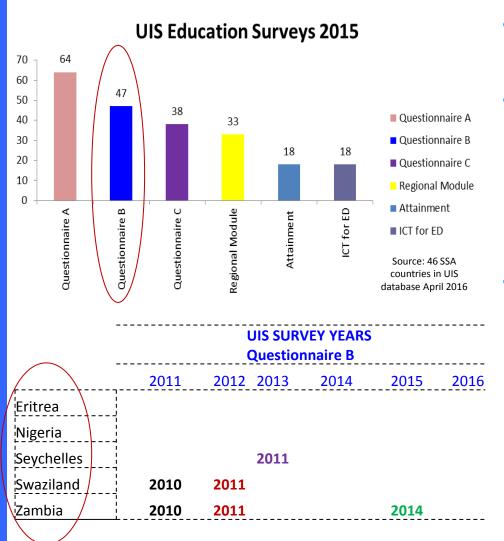


EXPENDITURE ON RESEARCH AND DEVELOPMENT (R&D)

R10: Total expenditure on R&D by sector of performance, type of R&D activity and cost (millions of national currency)

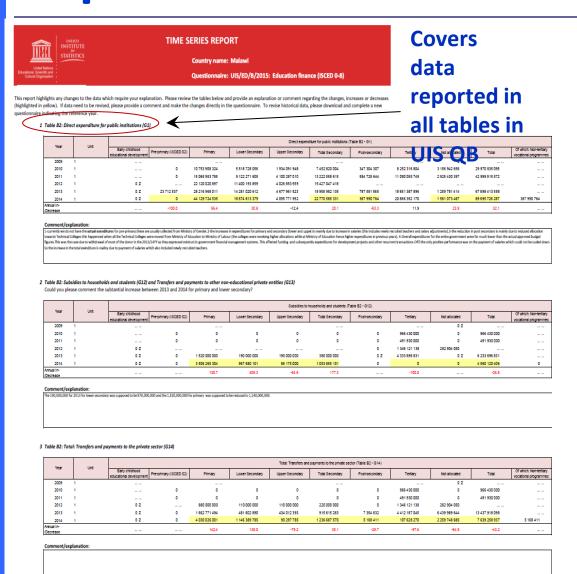


Current response rates – workshop expectations



- Resolve several years of non response to Questionnaire B;
- Understand the coverage and quality of data on ED finance in the country; pre-workshop questionnaire and data mapping exercises;
- Compile country data into UIS tool.

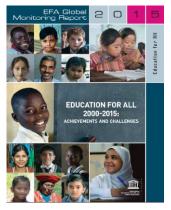
Data Quality on Educational Expenditure



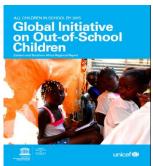
- Producing annual Data/Time
 Series Reports to assess gaps
 and inconsistencies followed
 by indicators review;
- Regional education statistics workshops to address multiple UIS education surveys;
- Country specific focused training on specific themes (e.g. national finance workshops/training on QB);
- Regular **advocacy** to **improve coordination** to improve quality of reporting to 凹S.

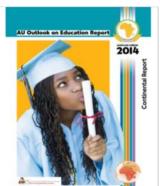
Publications featuring UIS ED finance Data













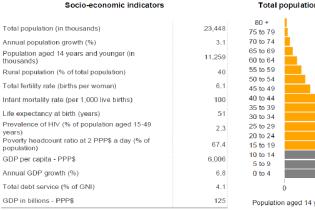
- Independent regional and global Reports
- Information "fact sheets" on all sectors for researchers and policy experts;
- UNESCO- UIS Global and thematic reports on education;
- Analytical reports produced by multiple partners in all fields;
- UIS website (<u>www.uis.unesco.org</u>)

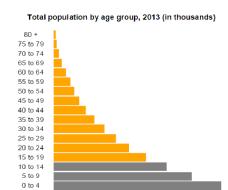
Visit UIS Data Centre

Angola

Sub-Saharan Africa

General information





0 2,000 4,000

Population aged 14 years and younger represents 48% of the total

Progression and completion in education

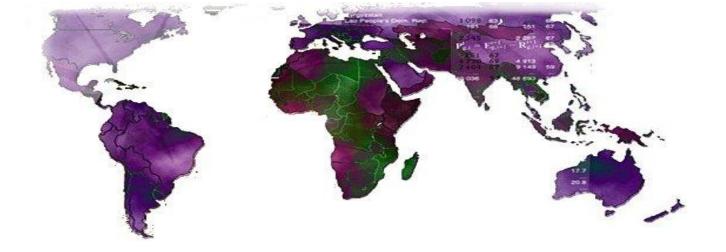
	Total	Male	emale	
School life expectancy ISCD 1-8 (years)	10.35	12.76	7.94	(2011)
Percentage of repeaters in primary (%)	10.3	8.62	12.93	(2011)
Survival to the last grade of primary (%)	31.87	36.55	26.86	(2009)
Gross intae ratio into the last grade of primary (%)	49.73	63.01	36.41	(2011)
Primary to secondary transition rate (%)	52.48	30.77	53.36	(2010)

Education ependitures

2005	2006	2007	2008	200	2010	2011	2012	2013	201
education									
2.78	2.86				3.48				
7.99	7.45				8.68				
student (in	PPP)								
3281.47	4372.22								
	2.78 7.99 student (in	2.78 2.86 7.99 7.45 student (in PPP)	2.78 2.86 7.99 7.45 student (in PPP)	education 2.78 2.86 7.99 7.45 student (in PPP)	education 2.78				

- View several indicators produced under your country profiles;
- Create your own data sets;
- Compare your countries' data with other countries in your region or other regions;
- Learn more about the work of the UIS on international data production.

www.uis.unesco.org



Thank you



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for
STATISTICS