



United Nations  
Educational, Scientific and  
Cultural Organization



UNESCO  
INSTITUTE  
FOR  
STATISTICS



# UIS activities with household survey data on education and equity

Friedrich Huebler, UIS

Fourth meeting of the Technical Cooperation Group on the  
Indicators for SDG4-Education 2030 (TCG)

Dubai, 16-18 January 2018



# Household survey data used by the UIS

- **UIS surveys sent to Member States**
  - Educational attainment
  - Literacy
- **Household survey datasets**
  - Demographic and Health Survey (DHS)
  - Multiple Indicator Cluster Survey (MICS)
  - Living Standards Measurement Study (LSMS)
  - National surveys (e.g., PNAD in Brazil)
  - Others (to add in future)
- Data analyzed by UIS **Household Surveys and Equity Unit**
- **Indicators** produced by UIS, but also in collaboration with other organizations (e.g. ECLAC, World Bank)

# UIS indicator development and data releases

- **July 2017**
  - Increased number of disaggregated education indicators from household survey data in UIS.Stat (<http://data.uis.unesco.org>), including out-of-school rates, attendance rates, completion rates
  - Location and wealth parity indices added (SDG indicator 4.5.1)
  - Adjusted parity indices added (SDG indicator 4.5.1)
  - Data on education expenditures by households added (SDG indicator 4.5.2)
- **December 2017**
  - Added theme trees for SDG 4 and Equity
- **February 2018**
  - Disaggregated data for SDG indicator 4.2.2: participation rate in organized learning (one year before the official primary entry age)

# UIS website

- **Expanded “Equity in education” page launched in December 2017**
  - <http://uis.unesco.org/en/topic/equity-education>
  - News and documents
  - Data visualizations (including new visualization on teacher supply in Asia)
  - Data explorer: tables, charts, metadata
- **Updated API to access UIS data**
  - <https://apiportal.uis.unesco.org>
- **UIS.Stat expanded**
  - <http://data.uis.unesco.org>
  - New theme trees for SDG 4 and Equity
  - Improved access to data for the SDG 4 targets

# UIS publications

- **Handbook on Equity in Education**
  - Forthcoming early 2018
  - Collaboration of UIS, REAL Centre (Cambridge), Oxford Policy Management, FHI 360
  - Intended as reference for professionals involved in measurement and monitoring of equity in education
- **Contents:**
  - Conceptual framework for monitoring of equity in education
  - Methodological guidance on calculation and interpretation of indicators
  - Examines extent to which equity has been integrated in national education policies
  - Analyses equitable financing

## UIS publications (cont.)

- **Education and disability:** fact sheet, February 2017 (SDG indicators 4.1.4, 4.1.5)
- Availability and reliability of **education finance** data in household surveys: information paper, May 2017 (SDG indicator 4.5.4)
- **Out-of-school children:** fact sheet, June 2017 (with GEMR) (SDG indicator 4.1.5)
- **Literacy:** fact sheet September 2017 (SDG indicator 4.6.2)
- **Children and adolescents not learning:** information paper, September 2017 (SDG indicator 4.1.1)
- **SDG 4 Data Digest 2017:** *The Quality Factor: Strengthening National Data to Monitor Sustainable Development Goal 4*, November 2017 (all indicators)
- **Education and disability:** information paper, early 2018 (SDG indicators 4.1.4, 4.1.5, 4.4.3, 4.6.2)
- **Guidebook on Education Expenditure in Household Surveys:** by June 2018 (with World Bank) (SDG indicator 4.5.4)

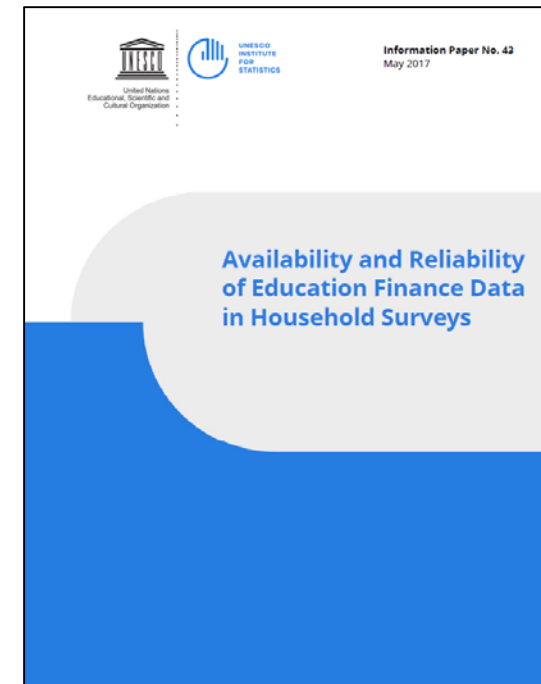
# Intersecretariat Working Group on Household Surveys (ISWGHS)

- Established by UN Statistical Commission in 2015
- Website: <https://unstats.un.org/iswghs/>
- **Mandate** includes:
  - Promote development of household survey methodology
  - Foster use of common standards and methods
- UIS leads **Task Force on Standards for Education Spending Estimates Based on Household Survey Data**
  - **Objective:** develop guidance on methods to achieve consistency, reliability and comparability in the measurement of education expenditure with household surveys for SDG indicator 4.5.4 (education expenditure per student by level of education and source of funding)
  - **Task force members:**
    - UNESCO Institute for Statistics
    - World Bank (LSMS and Global Education Practice teams)
    - UNESCO IIEP-Pôle de Dakar

# ISWGHS Task Force on Standards for Education Spending Estimates Based on Household Survey Data

- **Deliverables:**

1. Document mapping existing household surveys with education expenditure data (published May 2017)
2. Methodological guidelines and recommendations for future data collections (second draft completed November 2017, finalize by June 2018)
3. Technical protocol for processing of education expenditure data from household surveys (draft completed July 2017)





# Inter-Agency Group on Education Inequality Indicators (IAG-EII)

- Established in 2016 by UIS, UNICEF, World Bank
- Website: <http://uis.openplus.ca/iag/>
- **Mandate** includes:
  - Produce recommendations to harmonise processing of survey data
  - Document data requirements and calculation methods for indicators
  - Advise on methods for harmonising definitions of individual and household characteristics for data disaggregation
  - Prepare guidelines for producers and users of survey data
  - Liaise with the Technical Coordination Group on the Indicators for SDG 4-Education 2030 and the SDG 4-Education 2030 Steering Committee

# IAG-EII activities

- Three meetings held, most recent at UIS in December 2017
- Focal points from GEM Report, OECD, UIS, UNICEF and World Bank finalized three **indicator definitions**:
  - Completion rate (SDG indicator 4.1.4)
  - Out-of-school rate (SDG indicator 4.1.5)
  - Percentage of children over-age for grade (SDG indicator 4.1.6)
- **Next indicators to be defined**:
  - Parity indices (SDG indicator 4.5.1)
  - Participation rate in organized learning one year before the official primary entry age (SDG indicator 4.2.2)
  - Gross early childhood education enrolment ratio in pre-primary education and early childhood educational development (SDG indicator 4.2.4)
  - Possibly gross enrolment ratio for tertiary education (SDG indicator 4.3.2)



UNESCO  
INSTITUTE  
FOR  
STATISTICS



Friedrich Huebler

Head, Household Surveys and Equity Unit

UNESCO Institute for Statistics

[f.huebler@unesco.org](mailto:f.huebler@unesco.org)

<http://uis.unesco.org>

 @UNESCOstat