



TCG 9 Meeting – Working Group on Administrative Data/EMIS

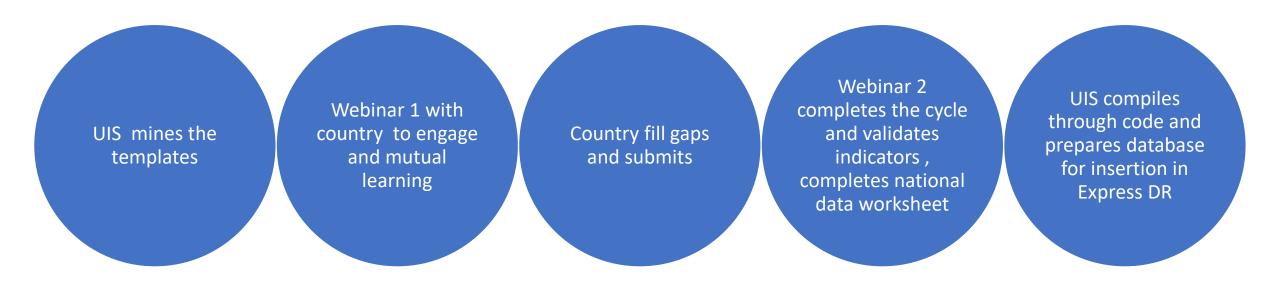
22 November 2022



## From a supply-side to a demand-side approach with transference of technology

- Demand-side approach
- Filling data gaps in UIS annual data collections/indicators
- Grant knowledge transfer and country absorption
- Facilitate countries analysis of alternatives (e.g. data gaps/population data)
- Allows sub-regional disaggregation as per country request (to be piloted 2023)
- Looking for country engagement

## Workflow of dynamic templates



## Timeline to implementation: respecting the pilot phase and institutional vetting

2020

2021

2022

- 30 countries pilot in last quarter
- Doubloon chosen to double check on validity and reliability
- Shared with TCG/EMIS WG Chair and GB
- Implementation of new features after successful piloting with Gambia
- Compilation of sources led to the repositories
- TCG Virtual WG and meeting
- Data inserted through the Express Mechanism
- Adjustment of template to add national population and more features added to serve countries' needs
- FIT Compilation routine developed that automatically generates the data ready to be inserted with the relevant metadata points
- FIT Curation before to see consistency in trends, outliers identification to harmonize insertion
- Presented TCG8 and approved for implementation with priority in Africa and Asia/Pacific

- Asia/Pacific: 15-17 countries administered in 2022
- Country Selection Criteria:
  - No ability to produce key indicators such OOSC, missing data such as TVET, etc.
  - No submission or irregularity in submission of key questionnaires (e.g. QB)
- Africa: to be defined

## Mapping aggregates needed by indicator

SDG 4 indicators*	4.1.3	4.1.4	4.1.5	4.2.2	4.2.4	4.3.2	4.3.3	4.7.2	4.a.1	4.c.1	4.c.2	4.c.3	4.c.4	4.c.6
National education system	х	х	х	х	х	х	х	х	х	х	х	х	х	х
Population data	х	х		х	х	х	х							
Enrolment by sex	х	х	х	х	х	х	х				х		х	
Enrolment by age		х	х	х			х							
Enrolment by grade	х		х											
Repeaters by sex and grade	х													
Teachers by sex										х		х		х
Trained teachers by sex										х	х			
Qualified teachers by sex												х	X	
Newly recruited teachers by sex														х
Schools by type of facility								х	х					

<sup>\*</sup>Other policy relevant indicators (OPRI) are also produced: # of students, gross/net enrolment ratios, # oosc, # teachers, etc.

## Content of the template

Metadata	Metadata								
Metadata	Data Source								
	1. Number of students in early childhood education								
	2. Number of students and repeaters in primary education								
	3. Number of students and repeaters in general secondary education								
Raw administrative	4. Number of students in vocational secondary education								
data	5. Number of students in post-secondary non-tertiary education								
	6. Number of students in tertiary education								
	7. Number of teachers by teaching level of education and sex								
	8. Number of schools by level of education								
Population data	9. National population								
Population data	10. UNPD population								
	4.1.3 Gross intake ratio to the last grade								
	4.1.4 Out-of-school rate								
	4.1.5 Percentage of children over-age for grade								
	4.2.2 Participation rate in organized learning (one year before the official primary entry age)								
	4.2.4 Gross early childhood education enrolment ratio in (a) pre-primary education and (b) E								
	4.3.2 Gross enrolment ratio for tertiary education								
	4.3.3 Participation rate in technical-vocational programmes (15- to 24-year-olds)								
Indicator values	4.7.2 Percentage of schools that provide life skills-based HIV and sexuality education								
	4.a.1 Proportion of schools offering basic services								
	4.c.1 Proportion of teachers with the minimum required qualifications								
	4.c.2 Pupil-trained teacher ratio								
	4.c.3 Percentage of teachers qualified according to national standards								
	4.c.4 Pupil-qualified teacher ratio								
	4.c.6 Teacher attrition rate								
	OPRI: #Stu.; GER; NERT; #OFSC; GTVP; #Teac.; FTP								

- \*Similarly, <u>Educational expenditure</u> <u>template</u> produces values for indicators:
- Government expenditure on education as a percentage of GDP
- 1.a.2 Proportion of total government spending on essential services (education)

## Metadata

SDG 4	Indicator name	ISCED level	Definition	
4.1.3	Gross intake ratio to the last grade	Primary education (ISCED 1)	Total number of new entrants into the last grade of <i>primary education</i> , regardless of age, expressed as a percentage of the population at the intended entrance age to the last grade of the same level of education.	$GIRLG_1 = \frac{NE_{l,1}}{P_{1,a}} *100$
4.1.3	Gross meane racio to the last grade	Lower secondary education (ISCED 2)	Total number of new entrants into the last grade of <i>lower secondary general</i> education, regardless of age, expressed as a percentage of the population at the intended entrance age to the last grade of the same level of education.	$GIRLG_2 = \frac{NE_{l,2}}{P_{2,a}} *100$

					National Methodology
SDG 4	Indicator name	ISCED level	Comments	Definition	Calculation method
4.1.3	Gross intake ratio to the last grade	Primary education (ISCED 1)			
4.2.3	Silver make rand to the last grade	Lower secondary education (ISCED 2)			

## Raw administrative data

2021		Primary education (ISCED 1)										
	2021	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Unspecified or residual grade	TOTAL		
	< 5	0	0	0	0	0	0	a	0	0		
	5	0	0	0	0	0	0	a	0	0		
	6	4848	0	0	0	0	0	a	0	4848		
	7	16244	4179	0	0	0	0	a	0	20423		
	8	9333	13575	3954	0	0	0	a	0	26862		
	9	4149	10074	10831	3352	0	0	a	0	28406		
	10	1861	4883	8514	8938	2620	0	a	0	26816		
	11	747	2246	4958	7664	7343	2558	a	0	25516		
	12	325	1198	2495	5286	6726	6287	a	0	22317		
	13	159	479	1468	3253	5106	6817	a	0	17282		
Male	14	84	226	608	1379	3077	4786	а	0	10160		
	15	69	151	431	872	2045	4006	a	0	7574		
	16	0	0	0	0	0	0	а	0	0		
	17	0	0	0	0	0	0	a	0	0		
	18	0	0	0	0	0	0	a	0	0		
	19	0	0	0	0	0	0	a	0	0		
	20	0	0	0	0	0	0	a	0	0		
	> 20	0	0	0	0	0	0	a	0	0		
	Age unknown	0	0	0	0	0	0	a	0	0		
	TOTAL	37819	37011	33259	30744	26917	24454	a	0	190204		
	Repeaters	3648	1996	1297	1194	800	724	a	0	9659		

# Population (national/UNPD)

2022	Both sexes	Male	Female	
0	87801	44335	43466	
1	85774	43308	42466	
2	83601	42213	41388	
3	81400	41104	40296	
4	79182	39986	39196	
5	76953	38860	38093	
6	74725	37734	36991 35895 34809	
7	72506	36611		
8	70302	35493		
9	68119	34382	33737	
10	65968	33283	32685	
11	63861	32205	31656	
12	61803	31150	30653	
13	59822	30128	29694	
14	57935	29147	28788	

### Indicator values

#### 4.1.3 Gross intake ratio to the last grade (primary education, lower secondary education)

#### 1. Primary education (ISCED 1)

Official age group

7 - 12

#### Calculation method:

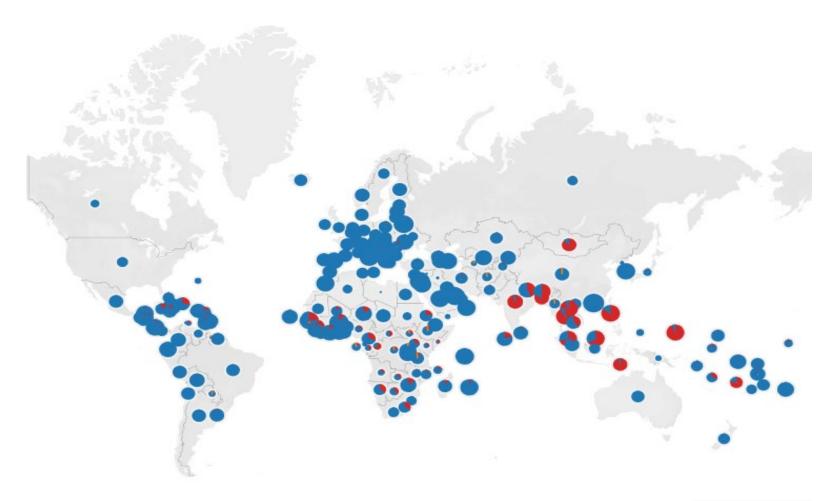
GIRLG (ISCED 1) = (ENRL (ISCED 1, Grade 6) - Repeaters (ISCED 1, Grade 6) / Population (aged 12) \* 100

		National data					UIS methodo	logy					UIS publis	hed indicator	
Year	New er	New entrants to the last grade			JNPD population		Gross intake ratio to the last grade					Gross intake ratio to the last grade			
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male		Female	GPIA	Both sexes	Male	Female	GPIA
2022	52990	24441	28549	61803	31150	30653	85.7	78.5		93.1	1.16	m	m	m	m
2021	50984	23730	27254	59864	30177	29687	85.2	78.6		91.8	1.14	m	m	m	m
2020	47798	22124	25674	58103	29276	28827	82.3	75.6		89.1	1.15	82.3	75.6	89.1	1.15
2019	45033	20991	24042	56360	28386	27974	79.9	73.9		85.9	1.14	78.9	73.9	84.0	1.12
2018	40803	19412	21391	54615	27502	27113	74.7	70.6		78.9	1.11	m	m	m	m
2017	38090	18354	19736	52869	26623	26246	72.0	68.9		75.2	1.08	m	m	m	m
2016	35532	17276	18256	51293	25832	25461	69.3	66.9		71.7	1.07	69.3	66.9	71.7	1.07
2015	33799	16417	17382	50093	25213	24880	67.5	65.1		69.9	1.07	67.5	65.1	69.9	1.07
2014	32824	16103	16721	48987	24643	24344	67.0	65.3		68.7	1.05	67.0	65.3	68.7	1.05
2013	31927	15689	16238	47856	24068	23788	66.7	65.2		68.3	1.05	66.4	64.9	68.0	1.04
2012	30697	15395	15302	46735	23503	23232	65.7	65.5		65.9	1.01	65.7	65.5	65.9	1.01
2011	29239	14481	14758	45705	22991	22714	64.0	63.0		65.0	1.03	64.0	63.0	65.0	1.03
2010	29208	14153	15055	44855	22562	22293	65.1	62.7	#	67.5	# 1.07	67.1	66.1	68.1	1.03

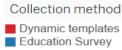
# Tabulated indicator values and metadata points

IND_ID	CO_CODE	YEAR	FIG	FOOTNOTE
AIR.1.GLAST	2700	2022	85.74	Source: EDUCATION STATISTICS 2021/2022 (http://www.edugambia.gm/data-area/publications/year-book-2022.html)
AIR.1.GLAST	2700	2021	85.17	Source: EDUCATION STATISTICS 2020/2021 (http://www.edugambia.gm/data-area/publications/year-book-2021.html)
AIR.1.GLAST	2700	2020	82.26	Source: EDUCATION STATISTICS 2019/2020 (http://www.edugambia.gm/data-area/publications/year-book-2020.html)
AIR.1.GLAST	2700	2019	79.90	Source: EDUCATION STATISTICS 2018/2019 (http://www.edugambia.gm/data-area/publications/year-book-2019.html)
AIR.1.GLAST	2700	2018	74.71	Source: EDUCATION STATISTICS 2017/2018 (http://www.edugambia.gm/data-area/publications/year-book-2018.html)
AIR.1.GLAST	2700	2017	72.05	Source: EDUCATION STATISTICS 2016/2017 (http://www.edugambia.gm/data-area/publications/year-book-2017.html)
AIR.1.GLAST	2700	2016	69.27	Source: EDUCATION STATISTICS 2015/2016 (http://www.edugambia.gm/data-area/publications/year-book-2016.html)
AIR.1.GLAST	2700	2015	67.47	Source: EDUCATION STATISTICS 2014/2015 (http://www.edugambia.gm/data-area/publications/year-book-2015.html)
AIR.1.GLAST	2700	2014	67.01	Source: EDUCATION STATISTICS 2013/2014 (http://www.edugambia.gm/data-area/publications/year-book-2014.html)
AIR.1.GLAST	2700	2013	66.71	Source: EDUCATION STATISTICS 2013/2014 (http://www.edugambia.gm/data-area/publications/year-book-2014.html)
AIR.1.GLAST	2700	2012	65.68	Source: EDUCATION STATISTICS 2013/2014 (http://www.edugambia.gm/data-area/publications/year-book-2014.html)
AIR.1.GLAST	2700	2011	63.97	Source: EDUCATION STATISTICS 2013/2014 (http://www.edugambia.gm/data-area/publications/year-book-2014.html)
AIR.1.GLAST	2700	2010	65.12	Source: EDUCATION STATISTICS 2013/2014 (http://www.edugambia.gm/data-area/publications/year-book-2014.html)

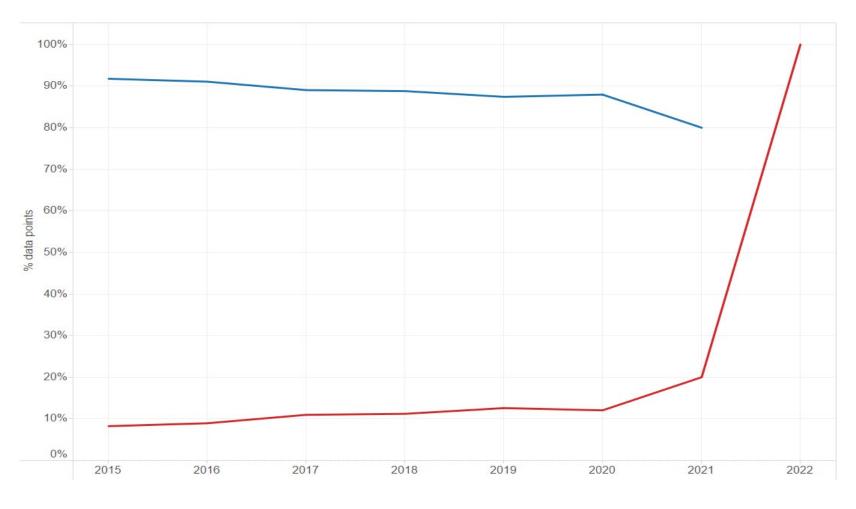
# Data released for SDG 4 indicators by collection method

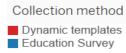


Indicators validated are inserted directly in the UIS database for release Raw data is inserted to estimate the OPRI.

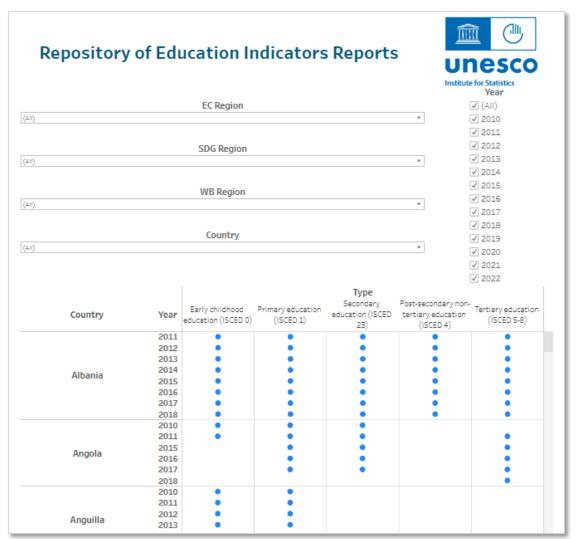


## Percentage of data points reported by collection method and school year





## By-product of process: Repositories of reports



https://tcg.uis.unesco.org/data-resources/repository-education-indicators/

Repository of Educ	ation Expendi	ture Reports	Unesco
	EC Region		Year
do)			▼
			✓ 2012
	SDG Region		✓ 2013
do)	35 d Region		v 2014
			✓ 2015
			☑ 2016
	WB Region		√ 2017
do)			✓ 2018
			✓ 2019
	Country		✓ 2020
do)			✓ 2021
			✓ 2022
			Туре
Country	Year	Actual	Budget
	2012	•	
	2013	•	
	2014 2015		
	2015		
Afghanistan	2017		
	2018		
	2019	•	
	2020	•	
	2021		•
	2012		•
	2013		•
	2014		
	2015 2016		
Albania	2016		
Albalila	2017		
	2019		•
	2020		_

https://tcg.uis.unesco.org/data-resources/repository-education-budgets/

# Thank you

