





UIS questionnaire verification and data gap on TVET

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Outline

- UIS Questionnaire A verification
 - ISCED definition
 - Data consistency between UIS QA tables

- TVET in Pacific countries
 - TVET definition
 - Where TVET data are collected in QA
 - Impact on lack / mis-reporting of data

ISCED 2011: definitions

Formal education

□Education that is institutionalized, intentional and planned through public organizations and recognized private bodies

□Typically takes place in educational institutions that are designed to provide <u>full-time</u> education for students in a system designed as a continuous educational pathway

□Consists primarily of <u>initial education</u> designed for children and young people before their first entry to the labour market

□Vocational education, special needs education and some parts of adult education are often recognized as being part of the formal education system

ISCED 2011: definitions

Formal adult education programmes specifically targeted at individuals who are regarded as adults by their society to improve their technical or professional qualifications, further develop their abilities, enrich their knowledge with the purpose to complete a level of formal education, or to acquire, refresh or update their knowledge, skills and competencies in a particular field

- □offered in the <u>same or similar formal settings</u> as **initial education**
- □do not have the same typical entry age as equivalent programmes in **initial education**
- may have a different, usually shorter, duration
- ■e.g. second chance programmes for youth or adults

Data check

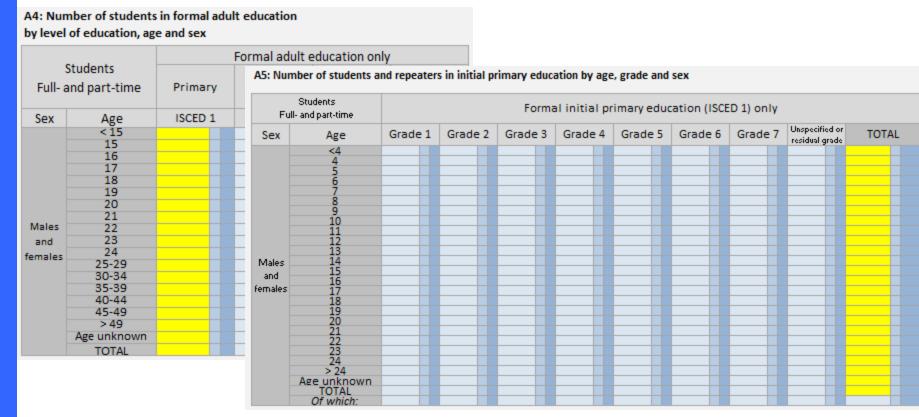
- ✓ Check data correspond to ISCED mapping: the number of grades reported in tables A5 and A6 versus ISCED mapping. e.g. If the theoretical duration of ISCED 1 is 6 years, we expect 6 grades of data in A5. If the theoretical duration of ISCED 24 is 2 years, we expect 2 grades in A6.
- Report the <u>sum of formal adult education programmes and</u> <u>initial education</u> in UIS tables A2 (by type of institutions) and A3 (by age) where A2 = A3
- ✓ Report <u>only</u> formal adult education programmes in UIS table A4
- ✓ Report <u>only</u> initial education in UIS tables A5 (ISCED 1 by age and grade) and A6 (ISCED 24 by age and grade)

UIS QA data verification - students

For ISCED 1 primary:

table A4 (formal adult education) + table A5 (initial education)

= table A2 = table A3 (formal adult education and initial education)

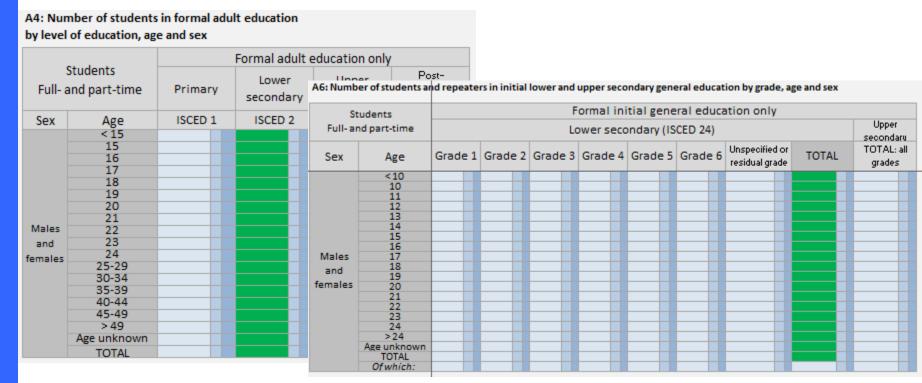


UIS QA data verification - students

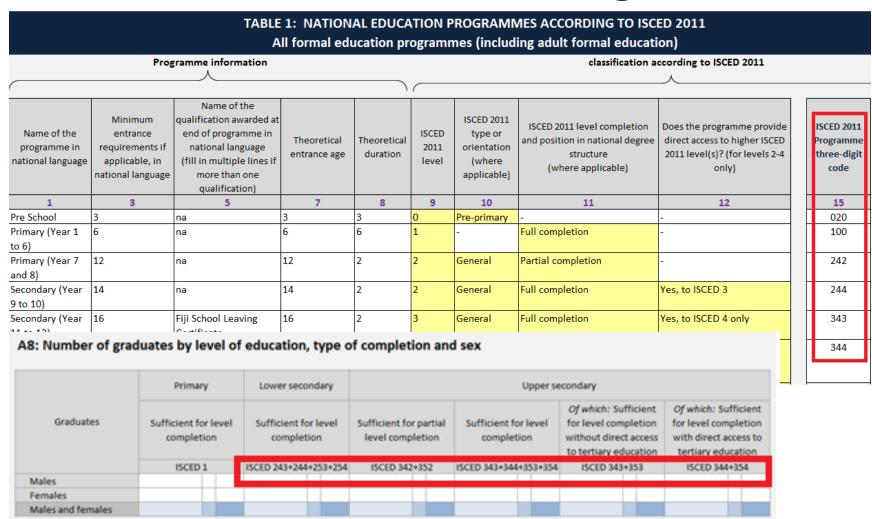
If ISCED 2 lower secondary vocational education does not exist (not applicable "0 Z") in your country:

table A4 (formal adult education) + table A6 (initial education)

= table A2 = table A3 (formal adult education and initial education)



UIS QA data verification - graduates



❖Graduates from an ISCED level include those who entered and successfully completed an education programme

UIS QA data verification - graduates

A8: Number of graduates by level of education, type of completion and sex

	Primary		Lower secondary		Upper secondary								
Graduates	Sufficient for level completion			Sufficient for level completion		Sufficient for partial level completion		Sufficient for level completion		Of which: Sufficient for level completion without direct access to tertiary education		Of which: Sufficient for level completion with direct access to tertiary education	
	ISCED :	1	ISCED 243+244	+253+254	ISCED 342	+352	ISCED 343+344	1+353+354	ISCED 343	+353	ISCED 344	+354	-
Males													
Females													
Males and females													

	ategory ientation)		Sub-category (level completion and access to higher ISCED levels)
24	Lower secondary	241	Insufficient for level completion or partial level completion, without direct access to upper secondary education
	general education	242	Sufficient for partial level completion, without direct access to upper secondary education
		243	Sufficient for level completion, without direct access to upper secondary education
		244	Sufficient for level completion, with direct access to upper secondary education
25	Lower secondary	251	Insufficient for level completion or partial level completion, without direct access to upper secondary education
	vocational education	252	Sufficient for partial level completion, without direct access to upper secondary education
		253	Sufficient for level completion, without direct access to upper secondary education
		254	Sufficient for level completion, with direct access to upper secondary education

UIS QA data verification - graduates

A8: Number of graduates by level of education, type of completion and sex

	Primary		Lower secondary		Upper secondary							
Graduates	duates Sufficient for level completion		Sufficient for level completion		Sufficient for partial level completion		Sufficient for level completion		Of which: Sufficient for level completion without direct access to tertiary education		Of which: Sufficient for level completion with direct access to tertiary education	
	ISCED 1		ISCED 243+244	ISCED 243+244+253+254		ISCED 342+352		ISCED 343+344+353+354		4 ISCED 343+353		4+354
Males												
Females												
Males and females												

	Category (orientation)		Sub-category (level completion and access to higher ISCED levels)
34	Upper secondary general education	341	Insufficient for level completion or partial level completion, without direct access to post-secondary non-tertiary education or tertiary education
		342	Sufficient for partial level completion, without direct access to post-secondary non-tertiary education or tertiary education
		343	Sufficient for level completion, without direct access to tertiary education (but may give direct access to post-secondary non-tertiary education)
		344	Sufficient for level completion, with direct access to tertiary education (may also give direct access to post-secondary non-tertiary education)
35	Upper secondary vocational	351	Insufficient for level completion or partial level completion, without direct access to post-secondary non-tertiary education or tertiary education
	education	352	Sufficient for partial level completion, without direct access to post-secondary non-tertiary education or tertiary education
		353	Sufficient for level completion, without direct access to tertiary education (but may give direct access to post-secondary non-tertiary education)
		354	Sufficient for level completion, with direct access to tertiary education (may also give direct access to post-secondary non-tertiary education)

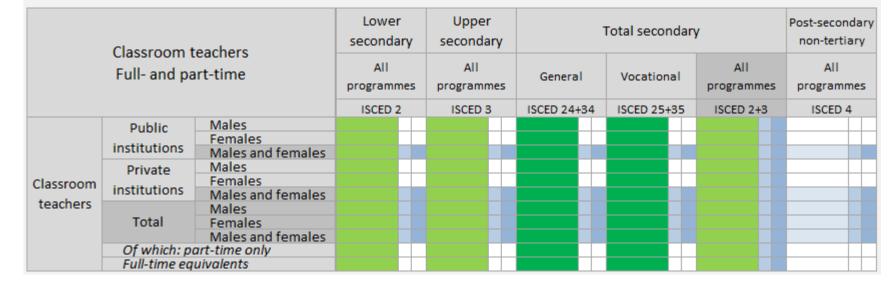
UIS QA data verification - teachers

Classroom teachers table A9:

ISCED 2 + ISCED 3 (in light green) = ISCED 2+3

ISCED 24+34 + ISCED 25+35 (in dark green) = ISCED 2+3

A9: Number of classroom teachers by teaching level of education, employment status, type of institution and sex



What is TVET?

Technical Vocational Education and Training

- *designed for learners to acquire the knowledge, skills and competencies specific to a particular occupation, trade, or class of occupations or trades
- ❖may have work-based components
- *successful completion leads to labour market-relevant vocational qualifications acknowledged as occupationally-oriented by the relevant national authorities and/or the labour market

Where are TVET data in UIS QA?



					Lower sec	ondar	у		Upper secondary					
Students Full- and part-time		General		Vocational		All programmes		General		Vocational		All programmes		
			ISCED 2	4	ISCED	25	ISCED	2	ISCED 34	1	ISCED 3	35	ISCEE	3
	Public	Males												
		Females												
	institutions	Males and females												
	Private	Males												
Studente	institutions	Females												
Students	institutions	Males and females												
		Males												
	Total	Females												
		Males and females												
	Of which	: part-time only												

For ISCED 25 and 35: table A2
(students by type of institutions) = table
A3 (students by age)

A3: Number of students by level of education, age and sex

	Students	L	ower seconda	ry	U	pper seconda	ry	Post- secondary	
Full-	and part-time	General	Vocational	All programmes	General	Vocational	All programmes	All	
Sex	Age	ISCED 24	ISCED 25	ISCED 2	ISCED 34	ISCED 35	ISCED 3	ISCED 4	
	<2								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
	11								
	12								
Males	13								
and	14 15								
	15								
females	16								
	17								
	18								
	19								
	20								
	21								
	22								
	23								
	24								
	25-29								
	> 29								
	Age unknown								
	TOTAL								

Where are TVET data in UIS QA?

For ISCED 45: table A2 (students by type of institutions)

❖ Data for ISCED 45 included in the total in table A3 (students by age)

A2: Number of students by level of education, intensity of participation, type of institution and sex

	Students Full- and part-time			Post-secondary non-tertiary								
				eral	Vocat	ional	All program	nmes				
			ISCE	D 44	ISCEI	D 45	ISCED	4				
	Public	Males										
		Females										
	institutions	Males and females										
	Private	Males										
Students		Females										
Students	institutions	Males and females										
		Males										
	Total	Females										
		Males and females										
	Of which: part-time only											

A3: Number of students by level of education, age and sex

		Post-
	Students	secondary
Full-	and part-time	All
		programmes
Sex	Age	ISCED 4
- CA	<2	10020
	<2 2 3 4 5 6 7	
	3	
	4	
	5	
	6	
	7	
	8	
	9	
	10	
	11	
	12	
Males	13	
and	14	
females	15	
remaies	16	
	17	
	18 19	
	20	
-	21	
-	22	
	23	
	24	
	25-29	
	> 29	
	Age unknown	
	TOTAL	

TVET in Pacific region

- No data for one country
- ❖ At ISCED 3 and 4 vocational education, programmes exist in the ISCED mapping but data are missing for some countries

Country	Year	ISCED 2 Lower Secondary Technical/Vocational	ISCED 3 Upper Secondary Technical/Vocational	ISCED 4 Post-secondary Non-tertiary Technical/Vocational
Cook Islands	2015	0 Z	0 Z	0 Z
Nauru	2014	0 Z	0 Z	0 Z
Niue	2015	0 Z	0 Z	0 Z
Tuvalu	2015	0 Z	0	0 Z
Kiribati	2015	0 Z	M	0 Z
Marshall Islands	2015	113	24	17
Vanuatu	2016	319	181	1,580
Fiji	2015	0 Z	M	7,768
Palau	2016	0 Z	314	M
Tonga	2014	0 Z	477	M
Papua New Guinea	2014	272,579	375,215	M
Samoa	2015	0 Z	M	M
Micronesia (Federated States of)	2015	0 Z	M	M
Solomon Islands	2015	0 Z	M	M
Tokelau	2015			

Impact

- 1) Lack of data results in missing key indicators such as:
- •GER, NER at ISCED 2+3 total secondary
- •GER at ISCED 4 post-secondary non-tertiary
- SDG 4, Target 4.3 Universal access to technical and vocational education
 - Share of technical and vocational education in total enrolment (%) at ISCED 2+3 and ISCED 4
 - Percentage of youth (15-24) enrolled in secondary technical and vocational education (%) at ISCED 2+3 and ISCED 4
- 2) Mis-reporting of TVET data results in underestimation of the GER: e.g. If a country has ISCED 3 and 4 vocational but reported data as "0 Z" (not applicable) or as "0"

Goals

Better understanding and improve data consistency of UIS questionnaire
 A

Improve TVET data collection in Pacific countries



Thank you!