



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 full-time education for students in a system designed as a continuous educational pathway
- Consists primarily of initial education 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 same or similar formal settings 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 sum of formal adult education programmes and initial education in UIS tables A2 (by type of institutions) and A3 (by age) where $A2 = A3$
- ✓ Report only formal adult education programmes in UIS table A4
- ✓ Report only initial education in UIS tables A5 (ISCED 1 by age and grade) and A6 (ISCED 24 by age and grade)

UIS QA data verification - graduates

TABLE 1: NATIONAL EDUCATION PROGRAMMES ACCORDING TO ISCED 2011
All formal education programmes (including adult formal education)

Programme information					classification according to ISCED 2011					ISCED 2011 Programme three-digit code
Name of the programme in national language	Minimum entrance requirements if applicable, in national language	Name of the qualification awarded at end of programme in national language (fill in multiple lines if more than one qualification)	Theoretical entrance age	Theoretical duration	ISCED 2011 level	ISCED 2011 type or orientation (where applicable)	ISCED 2011 level completion and position in national degree structure (where applicable)	Does the programme provide direct access to higher ISCED 2011 level(s)? (for levels 2-4 only)		
1	3	5	7	8	9	10	11	12	15	
Pre School	3	na	3	3	0	Pre-primary	-	-	020	
Primary (Year 1 to 6)	6	na	6	6	1	-	Full completion	-	100	
Primary (Year 7 and 8)	12	na	12	2	2	General	Partial completion	-	242	
Secondary (Year 9 to 10)	14	na	14	2	2	General	Full completion	Yes, to ISCED 3	244	
Secondary (Year 11 to 12)	16	Fiji School Leaving Certificate	16	2	3	General	Full completion	Yes, to ISCED 4 only	343	
									344	

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

Graduates	Primary	Lower secondary	Upper secondary			
	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+353+354	ISCED 343+353	ISCED 344+354
Males						
Females						
Males and females						

❖ 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

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

Category (orientation)		Sub-category (level completion and access to higher ISCED levels)	
24	Lower secondary general education	241	Insufficient for level completion or partial level completion, without direct access to upper secondary 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 vocational education	251	Insufficient for level completion or partial level completion, without direct access to upper secondary 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

Graduates	Primary	Lower secondary	Upper secondary			
	Sufficient for level completion	Sufficient for level completion	Sufficient for partial level completion	Sufficient for level completion	<i>Of which:</i> Sufficient for level completion without direct access to tertiary education	<i>Of which:</i> Sufficient for level completion with direct access to tertiary education
	ISCED 1	ISCED 243+244+253+254	ISCED 342+352	ISCED 343+344+353+354	ISCED 343+353	ISCED 344+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 education	351	Insufficient for level completion or partial level completion, without direct access to post-secondary non-tertiary education or tertiary 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

Classroom teachers Full- and part-time			Lower secondary	Upper secondary	Total secondary			Post-secondary non-tertiary
			All programmes	All programmes	General	Vocational	All programmes	All programmes
			ISCED 2	ISCED 3	ISCED 24+34	ISCED 25+35	ISCED 2+3	ISCED 4
Classroom teachers	Public institutions	Males						
		Females						
		Males and females						
	Private institutions	Males						
		Females						
		Males and females						
	Total	Males						
		Females						
		Males and females						
	<i>Of which: part-time only</i>							
<i>Full-time equivalents</i>								

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?

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

Students Full- and part-time			Lower secondary			Upper secondary				
			General	Vocational	All programmes	General	Vocational	All programmes		
			ISCED 24	ISCED 25	ISCED 2	ISCED 34	ISCED 35	ISCED 3		
Students	Public institutions	Males								
		Females								
		Males and females								
	Private institutions	Males								
		Females								
		Males and females								
	Total	Males								
		Females								
		Males and females								
<i>Of which: part-time only</i>										

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

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

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

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							
			General		Vocational		All programmes			
			ISCED 44		ISCED 45		ISCED 4			
Students	Public institutions	Males								
		Females								
		Males and females								
	Private institutions	Males								
		Females								
		Males and females								
	Total	Males								
		Females								
		Males and females								
	<i>Of which: part-time only</i>									

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

Students Full- and part-time		Post-secondary All programmes
Sex	Age	ISCED 4
Males and females	<2	
	2	
	3	
	4	
	5	
	6	
	7	
	8	
	9	
	10	
	11	
	12	
	13	
	14	
	15	
	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



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Thank you!