



CAPACITY DEVELOPMENT WORKSHOP

Student Learning Assessment and International Monitoring of Student Performance

25-27 APRIL, 2016 / PARO, BHUTAN

PROGRAMME

Day 1: 25 April 2016 (Monday)		
Time	Activity/Session	Facilitator/Presenter
08.30 – 09.00	Registration	
09.00 – 09.30	Opening <ul style="list-style-type: none"> Welcome remarks by the Minister of Education Welcome remarks from UNESCO Bangkok and introduction to NEQMAP and the workshop 	H.E. Mr. Norbu Wangchuk (Ministry of Education) Ms. Ramya Vivekanandan (UNESCO Bangkok)
09.30 – 10.00	An overview of the learning assessment system in Bhutan and introduction to the Bhutan Council for School Examinations and Assessment (BCSEA)	Mr. Tenzin Dorji (BCSEA)
10.00 – 10.30	Group photo and coffee break	
Session 1 10.30-12.30	Introduction to Modern Assessment Theory: A basis for all assessments <i>During this session we will</i> <ul style="list-style-type: none"> define the terms assessment, testing, evaluation and measurement, summative assessment, formative assessment, school-based assessment, assessment-for and assessment-of learning; introduce the concept of an image in assessment; consider ways that marks are given meaning; introduce the concept of a developmental continuum; articulate the purposes of educational assessments; and, discuss the difference between item difficulty and cognition. 	Dr. Jim Tognolini
12.30 – 13.30	Lunch	

<p>Session 2 13.30 – 15.00</p>	<p>Introduction to Modern Assessment Theory: A basis for all assessments (continued)</p> <p><i>During this session we will</i></p> <ul style="list-style-type: none"> • introduce standards; • introduce standards-referencing and building measurement scales; • introduce the writing of assessment frameworks (examples taken from subjects and PISA); and, • show how to operationalise standards. 	<p>Dr. Jim Tognolini</p>
<p>15.00– 15.15 Coffee break</p>		
<p>Session 3 15.15 – 17.00</p>	<p>Developing quality assessment items</p> <p><i>During this session we will</i></p> <ul style="list-style-type: none"> • introduce the principles of reliability and validity; • develop selected response cognitive items (test items) to operationalise scales. • introduce the basic requirements for writing good quality multiple-choice, short answer and other objective types of items 	<p>Dr. Jim Tognolini</p>

<p>Day 2: 26 April 2016 (Tuesday)</p>		
<p>Time</p>	<p>Activity/Session</p>	<p>Facilitator/Presenter</p>
<p>Session 4 09.00 – 09.15</p>	<p>Reflection of Day 1</p>	<p>Dr. Jim Tognolini</p>
<p>Session 5 9.15 – 10.30</p>	<p>Workshop session</p> <p><i>During this session we will</i></p> <ul style="list-style-type: none"> • identify problems in written multiple-choice items. 	
<p>10.30 – 10.45 Coffee break</p>		
<p>Session 6 10.45 – 12.30</p>	<p>Developing quality assessment items (continued)</p> <p><i>During this session we will</i></p> <ul style="list-style-type: none"> • introduce extended response items; • introduce marking rubrics for extended response items. 	<p>Dr. Jim Tognolini</p>
<p>12.30 – 13.30 Lunch</p>		
<p>Session 7 13.30 – 15.00</p>	<p>Introduction to international large-scale assessments and other assessment initiatives:</p> <p><i>During this session we will</i></p> <ul style="list-style-type: none"> • introduce international assessment systems (e.g. PISA, PISA_D, TIMSS, PIRLS, EGRA and ASER); 	<p>Dr. Jim Tognolini</p>

	<ul style="list-style-type: none"> describe the basic characteristics of such systems; show how they align to modern assessment theory: and, conduct a workshop session where groups review and reflect upon each of the international programs. 	
15.00– 15.15	Coffee break	
Session 8 15.15 – 17.00	<p>Introduction to developing questionnaires</p> <p>During this session we will</p> <ul style="list-style-type: none"> provide hints for constructing and analysing questionnaires using examples taken from the international assessment systems (parent questionnaires, teacher questionnaires and student questionnaires, etc.); and, consider ways to assess non-cognitive attitudes and values. 	Dr. Jim Tognolini

Day 3: 27 April 2016 (Wednesday)		
Time	Activity/Session	Facilitator/Presenter
Session 9 09.00 – 09.15	Reflection of Day 2	
Session 10 09.15 – 10.30	<p>Introduction to item and test analysis (Classical Test Theory)</p> <p>During this session we will</p> <ul style="list-style-type: none"> introduce item and test analysis by defining some basic test level statistics using Classical Test Theory analyses - test mean, test discrimination and test reliability (Cronbach's Alpha); define some basic item level statistics from Classical Test Theory: item difficulty, item discrimination (Findlay Index and Point Biserial Correlation); and, carry-out a practical exercise on data analysis of items using Classical Test Theory (CTT). 	Dr. Jim Tognolini
10.30 -- 10.45	Coffee break	
Session 11 10.45 – 12.30	<p>Introduction to sampling and administration of large scale assessments.</p> <p>During this session we will</p> <ul style="list-style-type: none"> introduce sampling and administration of large scale assessments through a national case study based on the sampling design of PISA used; 	Dr. Jim Tognolini

	<ul style="list-style-type: none"> conduct a practical exercise to choose a sample to assess citizenship across the Kingdom of Bhutan. 	
12.30 – 13.30	Lunch	
Session 12 13.30 – 15.00	<p>Discussion and question and answer session 1</p> <p>During this session we will try and address a number of questions related to</p> <ul style="list-style-type: none"> data-driven, evidence-based policy making; benefits and opportunities of participating in PISA, TIMSS and PISA -D; issues and challenges of participating in PISA; how PISA, TIMSS and PISA-D fit with other assessments/examination (e.g., National Education Assessment (NEA) and Board Examinations /BCSE-Grade X and BHSEC-Grade XII/ of Bhutan); and, how do you cater for physically challenged students in TIMSS and PISA; identifying some of the research questions that can be answered by the PISA data analyses; the impact on PISA results in developing countries; how a system might connect policymakers, curriculum developers, educators, teachers and parents based on datasets; how policymakers curriculum developers, educators, teachers and parents might be connected through datasets; how PISA and TIMSS results might be reported to stakeholders. 	Dr. Jim Tognolini
15.00– 15.15	Coffee break	
Session 13 15.15-16.30	<p>Discussion and question and answer session 2</p> <p>During this session we will</p> <ul style="list-style-type: none"> identify next steps to be taken; and, answer any outstanding questions that may have been left unanswered during the workshop. 	Dr. Jim Tognolini
16.30 – 17.00	Conclusions, certificate ceremony & workshop closing	Ms. Ramya Vivekanandan (UNESCO Bangkok)