

## **WORKSHOP TITLE:**

Large-Scale High-Stakes Computer-Based Testing and Computer Adaptive Testing: Expectations, Experiences and Challenges for the Future

## **Presenters:**



**Marguerite Clarke** is a Senior Education Specialist in the Education Global Practice at the World Bank. Currently based in India, she leads the Bank's work on learning assessment, including overseeing its SABER-Student Assessment knowledge initiative and providing support to individual countries to improve their assessment activities and uses of assessment information. She heads the Bank's Russia Education Aid for Development (READ) Trust Fund program, overseeing grants to countries to support them in improving their assessment systems and leading the development of evidence-based tools and approaches for strengthening the quality of student assessment systems.

Previously, Marguerite was involved in research, policy, and practice in the areas of higher education teaching and learning, higher education quality, and student assessment and testing policy at universities in Australia (University of South Australia) and the United States (Brown University, Boston College). She also worked as a classroom teacher in the Chinese, Irish, Japanese, and U.S. education systems and received a national teaching award from the Irish Department of Education. A former Fulbright Scholar, she received her PhD in Educational Research, Measurement, and Evaluation from Boston College (2000). She is on the Strategic Planning Committee for the Global Alliance to Monitor Learning (GAML) and also chairs the Task Force charged with identifying solutions to generating global learning data for the United Nations Sustainable Development Goal for Education.



**Dr. Iwa Mindadze** is a deputy director of the National Assessment and Examinations Center. The NAEC, officially established in 2002, as a legal entity of public law, was initially launched in 1999 as a part of Georgian Education System Realignment and Strengthening Program funded by the World Bank. The NAEC is the largest professional organization acting in the field of assessment in Georgia, which conducts different large-scale qualifying and certification exams. Dr. Mindadze has been working at the NAEC since 2000.

At the same time he is a lecturer at the faculty of Psychology and Education of Tbilisi State University. In recent years he has been teaching at the Goethe Institut Tbilisi and also acting as an international consultant in the field of assessment in Ukraine, Kyrgyzstan, etc.

### **Why IAEA members should attend this workshop:**

Digitalisation is rapidly transforming every field of our life including Education and Educational Assessment. The workshop aims to highlight what advantages, constraints, challenges and concerns can be seen, when it comes to computerizing exams.

Participants will get a deeper understanding about technical, economical, political and social impacts and consequences of Computer-Based (CBT) and Computer Adaptive Testing (CAT) in terms of administering large-scale, high-stakes exams.

The Workshop will tackle various test-delivery models and the challenges related to digitalized format of testing. The workshop will provide an open and interactive platform for sharing ideas and experiences.

Hopefully, the international audience will benefit from hands-on experience of the presenters and the delegates will gain new insight for further development.

### **Who this Workshop is for:**

The workshop is envisaged as a resource for assessment agencies and experts, who wish to attain deeper knowledge in large-scale high-stakes Computer-Based and Computer Adaptive Testing. The Workshop will bring together the leading experts and novice to explore and share new ideas and thoughts regarding computerized testing which will result in better understanding of this global trend.

### **Overview:**

The workshop starts with general overview of large-scale high-stakes digitalized types of assessment of student outcomes and using it in certification and admission.

The first session of the workshop presents practical experience of running Computer Adaptive Testing for country wide school leaving exams. The presentation focuses not only on impact on learning and teaching, but also on identifying technical and socio-political consequences.

In the second part of the workshop participants will share experiences and practice of their countries, followed by the discussion regarding the usage of CBT or CAT.

### **Preparation for the workshop:**

Workshop participants are encouraged to read *The Introduction of Large-scale Computer Adaptive Testing in Georgia*, Steven Bakker (2014), available at [http://siteresources.worldbank.org/INTREAD/Resources/Bakker\\_Introduction\\_to\\_CAT\\_Geor](http://siteresources.worldbank.org/INTREAD/Resources/Bakker_Introduction_to_CAT_Geor)

gia for [READ.pdf](#), and bring examples from their own countries about efforts, and/or discussions on the use of computers to deliver large scale high-stakes test. The presenters of the workshop firmly believe that sharing experience in administering ICB and CAT will stimulate and enable participants solve and avoid educational measurement problems that might occur during their current of future activities.

### **Workshop program**

Time	Session
14.00	Welcome & introductions
14.15	General Overview
14.45	Practical Example 1 and Discussion
15.30	Break
15.45	Practical Example 2
16.15	Practical Example 3 and discussion
16.50	Workshop closure and evaluation