

Virtual International Conference and Workshops on

## “Digitalization and TVET”

### Requirements and Approaches for Competence Development of TVET Personnel in International and Development Cooperation

jointly organized by GIZ TVET Academy / UNEVOC Centre Magdeburg, ADB Education Group and  
Swiss Federal University for Vocational Education and Training

#### Day 1 – Conference Programme

8th September 2021

08:00 – 11:30 GMT+2 (Amsterdam, Berlin, Rome)

Moderation: Ms. Ulrike Schmidt, GIZ TVET Academy

<b>08:00</b>	<p><b>Setting the Scene:</b>  <b>Digitalization and TVET Teacher Training – Requirements and Profiles</b>                  Mr. Harry Stolte, GIZ TVET Academy</p>
<b>08:10 – 08:40</b>	<p><b>Opening</b></p> <p><b>TVET teachers in the time of digitalization: challenges and opportunities</b>                  Mrs. Soo-Hyang Choi, Director UNESCO-UNEVOC</p> <p><b>Digitalization and labor market developments: What are the needs of industry?</b>                  Mr. Brajesh Panth, Chief of Education Sector Group, Asian Development Bank</p> <p><b>Adaption of TVET pedagogies to digitalization: How to be acquired in pre- and in-service training of TVET teachers?</b>                  Mr. Srinivas Baki Reddy, Chief Skills and Employability Branch, ILO</p>
<b>8:40 – 09:40</b>	<p><b>Keynotes</b></p> <p><b>Changes in industrial sectors due to digitalization and the disruption of traditional vertical organizations - consequences for “white and blue collar” workers</b>                  Mr. Thomas Leubner, Head of Siemens Professional Education, Siemens AG</p> <p><b>Digital developments and changes in the competencies of skilled workers in selected economic sectors</b>                  Mr. Guru Mallikarjuna, Managing Director, Bosch Vietnam Co.Ltd.</p> <p><b>Requirements for teachers in vocational education due to digitalization in selected industries and their need for "digital competences"</b>                  Mrs. Francesca Amenduni, Senior Researcher and Mrs. Chiara Antonietti, Junior Researcher, Swiss Federal University for Vocational Education and Training</p>
<b>9:45 - 10:00</b>	<p><b>Coffee &amp; Tea</b></p>

10:00 – 11:00

## Panel Discussion

Moderation: Mr. Guido Lotz

**The following questions will be discussed based on the overall discussion on the impact of a changing world of work and labor market:**

- **How should TVET teachers be trained in the digital age?**
- **Is there a need to adapt curricula and training contents – which processes would support that?**
- **Are didactical concepts and training methods available which respond to the changing competence requirements caused by digitalization?**
- **Which role do digital resources play in the process of modernizing TVET?**
- **Do new co-operation mechanisms in terms of learning and training venues become more relevant because of digitalization?**

### Panelists:

- Mr. Ralph Hippe, Learning and Employability Expert, CEDEFOP
- Prof. Wahid Razzali, Vice-Chancellor, University Tun Hussein Onn Malaysia (UTHM) Malaysia
- Mr. Lars Fiechel, Cluster Coordinator Skills Development, Ethiopia, GIZ
- Mrs. Lisa Marie Kreibich, Social Sector Specialist, ADB
- Mrs. Karine Sonigo, Skills Digitalization Specialist, Skills and Employability Branch, ILO

- **Questions & Answers**

11:00 – 11:30

## Summary and invitation to the workshops

Mr. Guido Lotz  
Mr. Harry Stolte

## Day 2: Workshop (preview)

19<sup>th</sup> of October 2021

### Workshop 1

#### **Occupational structures, training contents**

This session addresses the core issue of how to structure occupational profiles and standards considering the massive changes in the world of work as well as changes in production and business processes by digitalization. Selected examples will reveal the processes and mechanisms behind the adaptation of curricula.

### Workshop 2

#### **Digital resources, media, tools, platforms**

Digitalization and the discussion about digital resources, media, tools and platforms belong closely together. Chances are that the challenge posed by digitalization can partly be solved by creating those digital resources media, tools, platforms and making them available. This session will provide with insights into good practices of e-learning up to the use of virtual reality in training processes.

### Workshop 3

#### **Training processes, didactical concepts, methods, co-operation mechanisms, multiple learning venues**

How to shape didactical concepts and training processes, methods of learning cooperation and other approaches to learning and training in TVET addressing competence requirements resulting from digitalization is a deeply discussed issue without clear answers. The shaping of learning processes depends on the didactical concepts and methods of learning. This session seeks to find answers on how to shape TVET teaching and learning processes addressing competence requirements that result from digitalization.