

Bridging Innovation and Learning in TVET (BILT) Thematic Workshop – Digitalization/Industry 4.0

2-3 October 2019 - OsloMet, Norway

Agenda

2 October	Wednesday
08:30-09:00	Registration and welcome coffee
09:00-09:45	Welcome and opening Inger Lise Holen, Head of the Department of Vocational Teacher Education, OsloMet Jens Liebe, Senior Programme Expert, UNESCO-UNEVOC Karianne Helland, Senior Advisor, Norwegian Directorate for Education and Training, Norwegian Ministry of Education and Research Morten N. Bakke, Head of Business Policy, The Confederation of Norwegian Enterprise <i>Introduction of the participants</i> <i>Group Picture</i>
09:45-10:30	Framing the workshop Overview of the BILT project, objectives and expected outcomes of the workshop and workshop structure <ul style="list-style-type: none"> • Digitalization workshop within BILT Jens Liebe, Senior Programme Expert, UNESCO-UNEVOC Vera Hark, Project Manager/Technical Advisor, BIBB • Defining digitalization <ul style="list-style-type: none"> ○ Digitalization within UNESCO's Strategy for TVET and Programmes Max Ehlers, Associate Officer IT, UNESCO-UNEVOC ○ Clarifying Digitalization (concept, application) Ronny Sannerud, Professor, OsloMet Input from the audience
10:30-10:45	Coffee break 1
10:45-11:30	Topic 1: SMEs and engaging them in the VET cycle Overview of the key challenges & market demands from the Norwegian context <ul style="list-style-type: none"> • Use of analytical tools to identify industry needs for digital skills Arne Ronny Sannerud, Professor, OsloMet • Viken technology cluster 4.0 & Viken young Hans Bjørn Paulsrud, CEO Viken technology cluster 4.0

IN COLLABORATION WITH



COORDINATED BY UNESCO-UNEVOC
WITH SUPPORT OF



SPONSORED BY THE



11:30-12:30	Peer learning via practical examples in ‘SMEs and engaging them in the VET cycle’ Session I – presentation of practical examples <ol style="list-style-type: none"> 1. Learning Factory Frank Jørgen Vangen, Learning factory, Norway 2. Catapult Centres Mette Foss Dalseg, Learning factory, Norway 3. Campus des Métiers Laurent Renaux, TechnoCentre Henri Fabre, France 4. SIM Project - 4.0 Innovation Peer Learning for Companies Margarida Segard, ISQ Academy, Portugal 5. Excellent Advanced Manufacturing 4.0 Unai Ziarsolo, TKNIKA, Spain
12:30-13:30	Lunch
13:30-15:30	Peer learning via practical examples in ‘SMEs and engaging them in the VET cycle’ Session II – discussing practical examples in a World Café format First 60 minutes, examples: presenters 1, 3 & 4 as table hosts Second 60 minutes, examples: presenters 2 & 5 as table hosts <i>Guiding questions include:</i> <ul style="list-style-type: none"> - What is the added value of this example? - How exactly are these examples taught? Are they anchored in curricula, or taught by companies during employment, or via modular delivery at schools? - Which elements seem to be transferable to other European countries/contexts?
15:30–15:45	Coffee break 2
15:45-16:45	Transferability of practice in ‘SMEs and engaging them in the VET cycle’ Arne Ronny Sannerud, Professor, OsloMet, Norway Max Ehlers, Associate Officer IT, UNESCO-UNEVOC
16:45-17:00	Wrap up Day 1 Arne Ronny Sannerud, Professor, OsloMet, Norway
18:30	Group Dinner

3 October	Thursday
09:00-09:30	Topic 2: Teacher training & teacher-learner interface <ul style="list-style-type: none"> • Presentation of the key challenges Arne Ronny Sannerud, Professor, OsloMet • International Roadshow – Digital Media in TVET Vera Hark, Project Manager/Technical Advisor, BIBB
09:30-11:00	Peer learning via practical examples in ‘Teacher training & teacher-learner interface’ Session I <p>Presentation of practical examples:</p> <ol style="list-style-type: none"> 1. 21st Century Skills Ronald Ferket, CINOP, Netherlands 2. VR Glasses for Gardeners (title tbc) Martin Dobricki, SFIVET, Switzerland 3. LEGO Mindstorms (LEGO Education) Birger Brevik, OsloMet, Norway <p>Discussing practical examples in a World Café format: Presenters 1, 2, & 3 as table hosts <i>Guiding questions include:</i></p> <ul style="list-style-type: none"> - <i>What is the added value of this example?</i> - <i>How exactly are these examples taught? Are they anchored in curricula, or taught by companies during employment, or via modular delivery at schools?</i> - <i>Which elements seem to be transferable to other European countries/contexts?</i> <p>Participation of an observer UNEVOC Centre from Uganda, Kyambogo University, Center for Vocational Pedagogy and Lifelong Learning</p>
11:00-11:15	Coffee break
11:15-12:45	Peer learning via practical examples in ‘Teacher training & teacher-learner interface’ Session II <p>Presentation of practical examples:</p> <ol style="list-style-type: none"> 4. Digitalization self-assessment for students (title tbc) Johanna Bachmair, IBW, Austria 5. VET 4.0 Christian Schrack, BMBWF, Austria 6. EQF Robot Operator/Robot Technician Anu Moosel, Foundation Innove, Estonia <p>Discussing practical examples in a World Café format: Presenters 4, 5, & 6 as table hosts <i>Guiding questions include:</i></p> <ul style="list-style-type: none"> - <i>What is the added value of this example?</i> - <i>How exactly are these examples taught? Are they anchored in curricula, or taught by companies during employment, or via modular delivery at schools?</i> - <i>Which elements seem to be transferable to other European countries/contexts?</i>

12:45-13:45	Lunch break
13:45-14:45	Transferability of practice in ‘Teacher training & teacher-learner interface’ Arne Ronny Sannerud, Professor, OsloMet Max Ehlers, Associate Officer IT, UNESCO-UNEVOC
14:45-15:15	Workshop networking session
15:15-15:45	Networking coffee
15:45-16:15	Wrap up and closing Arne Ronny Sannerud, Professor, OsloMet Tristan Cole, Project Officer, UNESCO-UNEVOC Q&A Including feedback by participants
16:15	End of workshop

Participant list

Title	First Name	Last Name	Institution	Country
Ms	Johanna	Bachmair	IBW	Austria
Mr	Morten N.	Bakke	The Confederation of Norwegian Enterprise	Norway
Mr	Eric	Bates	DIT	Ireland
Mr	Birger	Brevik	OsloMet	Norway
Mr	Tristan	Cole	UNESCO-UNEVOC	
Ms	Mette	Dalseg	Learning Factory	Norway
Mr	Martin	Dobricki	SFIVET	Switzerland
Mr	Max	Ehlers	UNESCO-UNEVOC	
Mr	Ronald	Ferket	CINOP	Netherlands
Ms	Vera	Hark	BIBB	Germany
Ms	Karianne	Helland	Norwegian Ministry of Education and Research	Norway
Ms	Inger Lise	Holen	OsloMet	Norway
Mr	Jens	Liebe	UNESCO-UNEVOC	
Mr	Matthieu	Merciecca	French Ministry of Education	France
Ms	Anu	Moosel	Foundation Innove	Estonia
Mr	Hans Bjørn	Paulsrud	Viken technology cluster 4.0	Norway
Mr	Laurent	Renaux	Technocentre Henri Fabre	France
Mr	Ronny	Sannerud	OsloMet	Norway
Mr	Christian	Schrack	BMBWF	Austria
Ms	Margarida	Segard	ISQ Academy	Portugal
Mr	Frank Jørgen	Vangen	Learning Factory	Norway
Mr	Unai	Ziarsolo	TKNIKA	Spain