



United Nations  
Educational, Scientific and  
Cultural Organization

UNEVOC

International Centre  
for Technical and Vocational  
Education and Training



جامعة محمد الخامس بالرباط  
Université Mohammed V de Rabat  
المدرسة العليا لأساتذة التعليم التقني  
Ecole Normale Supérieure de l'Enseignement Technique



## International Forum @ COP22

# Greening technical and vocational education curriculum and training (TVET): institutional approaches for climate change action

**15 November 2016 09:00 - 15:30**

**Hotel Palais Jena**

Km 8 route de l'Ourika en face de Dar Jena, Tasseltant  
Marrakech, Morocco

## Background:

Greening institutional approaches is an emerging concept with infinite timeframe. A whole-institutional approach for implementing Education for Sustainable Development (ESD) in TVET is envisaged as a concrete step to taking action for climate change. This step begins with an understanding of the relevance of transforming TVET institutions into sustainable sites of learning and progresses through effective monitoring of achievements, outreach and outcomes.

It is crucial to address what is taught in both school-based and work-based settings. 'Greening' the mind is facilitated through identifying skills that are needed to prepare students for work and life. Correspondingly, it entails adapting learning environment, relevant contents and training to transfer the knowledge and skills that meet the needs of occupations and enterprises and respond to the shifts in environmental as well as societal transformations affecting individual choices and lifestyles.

Transitions into green economy and society challenges TVET to expand quality skills provisions and ensure skills relevance not only for the world of work but also to support lifelong learning in an equitable and inclusive manner. Every discipline affords individuals with opportunities to contribute to make smooth transitions. Greening the curriculum and training is adapting disciplines to sustainability concepts and practices that enables learners to make a smooth transition to the dynamic world of work, oftentimes requiring a mix of skills for effective participation.

On the occasion of the Conference of Parties 22 (COP 22), a special session is devoted to take up the issue of greening curriculum and training and raise its relevance as a concrete institutional response to promote climate change action.

UNESCO-UNEVOC, in collaboration with Ecole Normale Supérieure De L'enseignement Technique (ENSET), a UNEVOC Centre in Morocco, is organizing an international interactive Forum on 15 November 2016 in Marrakech, Morocco

to explore the issues and challenges in adapting institutional curricula and training to sustainability paradigm, as well as offer ideas and solutions to overcome the challenges through sharing of innovative and successful cases of greening institutional approaches. This issue is crucial given policy dialogues and negotiations that will take place at COP22. The session raises the relevance of targeted TVET transformations in an effort to accelerate and make climate change agreements realizable through institutionalized climate change actions.

## Objectives:

- To share experiences and practices in developing institution-based approaches for greening technical and vocational education and training;
- To provide a marketplace of ideas for meeting climate change challenges through skills development solutions at the local and community levels, as well as through institutionally-driven initiatives;
- To inspire innovations in practice in TVET for implementing sustainable development in TVET disciplines.

## What to expect:

- An interactive dialogue;
- Interesting and promising practices on greening of TVET institutions and curricular contents;
- A marketplace of ideas;
- New network and partners for greening TVET transformations.

## Programme and arrangements in Marrakech

<b>Day 0 (13 November 2016)</b>			
Arrival of invitees to Marrakech. Transfers to be arranged by ENSET from airport to the hotel.			
<b>Day 1 (14 November 2016)</b>			
Participants are invited to visit high level meetings and side events that are of interest. These events are organized in different spaces at the COP 22 village (Bab Ighli).			
<p><b>Blue Zone (United Nations Zone)</b> UNESCO-UNEVOC made representations to secure its registered invitees a Day Pass for 14 November 2016 to be able to access the site.</p> <p><b>Green Zone</b> Access to the green zone is open to public. On 14 November, UNESCO and other organizations are going to observe the Education Day. A UNESCO Pavillion is set up in the Green Zone where a series of discussion rounds will take place, including one on TVET entitled "Towards a policy context for skills developments in transition to green economies" jointly organized by UNESCO's Section for Youth, Literacy and Skills and UNESCO-UNEVOC (11:00-11:45 A.M.)</p>			
<b>Day 2 (15 November 2016) - International Forum Programme</b>			
<b>Venue: Hotel Palais Jena</b>			
<b>Address: Km 8 route de l'Ourika en face de Dar Jena, Tasseltant Marrakech, Morocco</b>			
<b>Phone: +212 5243-80036</b>			
09:00-09:30	Registration, welcome coffee and tea; networking		
09:30-10:00	Joint Opening Programme for the TVET Institutional Approaches for climate change action and ToT Workshop on Entrepreneurship Education and MOOCs		
10:00-10:30	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"><i>Keynote address 1</i> Q&amp;A</td> <td style="width: 50%; padding: 5px;"><b>H.R.H. Princess Abze Djigma</b> <i>Founder and CEO, MAMA-Light Initiative; Ambassador of Renewable Energy in Burkina Faso</i></td> </tr> </table>	<i>Keynote address 1</i> Q&A	<b>H.R.H. Princess Abze Djigma</b> <i>Founder and CEO, MAMA-Light Initiative; Ambassador of Renewable Energy in Burkina Faso</i>
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10:30-11:00	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"><i>Keynote address 2</i> TVET institution response to climate change actions</td> <td style="width: 50%; padding: 5px;"><b>Shyamal Majumdar</b> <i>Head, UNESCO-UNEVOC International Centre for TVET</i></td> </tr> </table>	<i>Keynote address 2</i> TVET institution response to climate change actions	<b>Shyamal Majumdar</b> <i>Head, UNESCO-UNEVOC International Centre for TVET</i>
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11:00-11:15	Break		
11:15-12:30	<p><i>Session 1: Panel discussion</i> Institutional Practices in greening curriculum and training: methods and impact</p> <p>Chair: <b>Borhene Chakroun</b>, <i>Chief of Section of Youth, Literacy and Skills, UNESCO Education Sector, Paris</i></p> <ul style="list-style-type: none"> <li>• <b>David Bourdages</b>, <i>Director General, CIRADD, Canada</i></li> <li>• <b>Margarita Pavlova</b>, <i>Director, UNEVOC Centre/Department of International Education and Lifelong Learning, The Education University of Hong Kong, P.R. China</i></li> <li>• <b>Tobias Orji</b>, <i>Research Fellow, CETVETAR, University of Nigeria, Nsuka</i></li> <li>• <b>Stefan Nowatschin</b>, <i>School Director Regional Competence Center for Sustainable Vocational Education and Training, Uelzen County – Vocational Schools, Germany</i></li> <li>• <b>Hubert Barbe</b>, <i>Director, Seychelles Institute of Technology, Seychelles</i></li> <li>• <b>Abdellah El-Gharad</b>, <i>Director, ENSET, Morocco</i></li> </ul>		

12:30-13:30	<p><b>Session 2: Panel session</b></p> <p>Creating green and decent jobs: how TVET can promote green enterprise development through skills and small and medium enterprise development</p> <p>Chair: <b>Charles Hopkins</b>, <i>York University, Canada</i></p> <ul style="list-style-type: none"> <li>• <b>Sirrka Wiman</b>, <i>Principal, Adult Education, Omnia / Ministry of Education, Finland</i></li> <li>• <b>Dmitri Podoliev</b>, <i>CEO, Seed Forum/ iHub Foundation, Ukraine</i></li> <li>• <b>BK Datta</b>, <i>Director, Vivekananda Institute of Technology, India</i></li> </ul>
13:30-14:30	Lunch
14:30-15:00	<p><b>Marketplace session</b></p> <p>Greening vocational education and training: a marketplace of ideas worth sharing</p> <p>(10-12 minute pitch; 2 rounds)</p> <ul style="list-style-type: none"> <li>• Vivekananda Institute of Technology (Skills development through biotechnology in rural areas)</li> <li>• The Education University of Hong Kong (EdUHK) (Greening skills and TVET in Asia Pacific region)</li> <li>• Abze Solar (MAMA-Light Initiative)</li> <li>• CIRADD (Community-assistance module on sustainable development)</li> <li>• ENSET (Sustainable development programme @ENSET)</li> </ul>
15:00-15:30	Way Forward: Commentary and reflections
15:30-18:00	Free time/Visit to COP village (as possible)
18:30-21:00	Gala dinner outside the city of Marrakesh hosted by ENSET UNEVOC Centre (transfer to the dinner venue to be arranged by ENSET)

Language: Translations will be provided.

For inquiries and confirmations, please contact:

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