



## Future skill needs for the green economy

6-7 October 2008, Thessaloniki, Greece

### International workshop

The workshop is organised by Cedefop and its international network on early identification of skill needs 'Skillsnet' ([www.trainingvillage.gr/skillsnet](http://www.trainingvillage.gr/skillsnet))

To become a member of Skillsnet network go to [www.trainingvillage.gr/skillsnet](http://www.trainingvillage.gr/skillsnet), click on "Membership" and fill in the application form. Skillsnet membership is free of charge.

### General information

<b>Workshop venue</b>	European Centre for the Development of Vocational Training (Cedefop), Europe 123, GR-57001 Thessaloniki (Pylea), Greece
<b>Organiser</b>	Cedefop
<b>No of participants</b>	Max. 30
<b>Participants' profile</b>	Researchers, labour market experts, practitioners, social partners, policy makers and education specialists in the environment/climate change sector
<b>Type of event</b>	Restricted participation by invitation
<b>Working language</b>	English

## Background to the workshop

Cedefop's international network on early identification of skill needs – Skillsnet – supports informed policy-making. It is a platform for dialogue and information exchange on new and changing skill needs. Skillsnet takes a medium-term outlook for skills on the labour market, anticipating skill needs in Europe at macro level using forecasting techniques and at micro level through employer surveys.

Cedefop and Skillsnet also identify new and emerging skill needs in specific sectors. Sectors examined so far are tourism, nanotechnology and agri-food and forestry-wood chains, health care. Now the focus is on the skill needs in the green economy.

## Workshop rationale

A key issue for policy makers and stakeholders dealing with climate change is how to reduce greenhouse gas (GHG) emissions through energy efficiency and alternative forms of energy and transport. Mitigation technologies, policies and measures are designed at national, European, international and sector levels. They include energy, construction, agriculture, manufacturing and transport.

Green technologies offer the possibility of new green jobs for those who respond quickly to the developing green economy. New green jobs will require new skills in new and emerging occupations. Identifying what those skills will be may make action to combat climate change more effective.

Everyone needs to be involved in mitigating climate change. Efficient coordination of measures in Member States, regions and communities is vital to keep costs low. The EU plays an important role in supporting action to adjust to climate change by fine-tuning policies, filling knowledge gaps and coordinating strategies.

The workshop will address the following questions:

1. What are the main trends and mechanisms that are restructuring Europe's green economy? Which specific and general skills are new and emerging and which are declining?
2. Which occupations are needed to mitigate climate change and what policies (national or EU initiatives) should be designed to meet the demand for green occupations?
3. How to develop education and training systems to respond quickly to continuously changing requirements? How to bring closer educational and training standards to occupational standards and employer priorities in green jobs?

## Workshop objectives

The workshop will identify and increase knowledge about the implications of climate change for educating and training professionals and associate professionals who will be involved in mitigating climate change. Relevant professionals include natural resource managers, science and engineering professionals, especially physical and earth science professionals, life science professionals, architects, planners, surveyors and designers. The main focus will be on energy efficiency and renewable energy implementation skills determining the core element of future green jobs.

Key trends and future skills and occupational requirements will be examined. By doing so, the workshop will support evidence-based policy-making at national and European levels.

# Agenda

<b>Monday, 6 October 2008</b>	
09.00-09.30	<b>Registration of participants</b>
	Chairperson: <i>Manfred Tessaring</i> (Cedefop)
09.30-11.00	<p><b>Welcome and introduction</b> <i>Manfred Tessaring</i>, Cedefop</p> <p><b>Workshop rationale and objectives</b> <i>Peter Szovics</i>, Cedefop</p> <p><b>Skills for green jobs and sustainable development</b> <i>Christine Evans-Klock</i>, ILO</p> <p><b>Impact on employment of climate change mitigation measures in the EU-25</b> <i>Sophie Dupressoir</i>, ETUC</p> <p><b>Discussion</b></p>
11.00-11.30	<i>Tea/Coffee break</i>
	Chairperson: <i>Alena Zukersteinova</i> (Cedefop)
11.30-13.00	<p><b><u>Skill needs for green jobs and sustainable development</u></b></p> <p><b>Skills for sustainable development: necessary but not sufficient?</b> <i>Malcolm Rigg</i>, Policy Studies Institute, UK</p> <p><b>Emerging skill needs in a greener UK economy</b> <i>Terence Hogarth</i>, University of Warwick, UK</p> <p><b>A model for the education and training of ecologists and environmental managers in the UK: filling the skills gap</b> <i>Max Wade</i>, RPS Group Plc, UK</p> <p><b>Discussion</b></p>
13.00-14.30	<i>Lunch</i>
	Chairperson: <i>Torsten Dunkel</i> (Cedefop)
14.30-15.30	<p><b><u>Changing qualification needs in jobs for renewable energies</u></b></p> <p><b>Future skill needs in renewable energies identified in an integrated approach: results of the ADeBar project</b> <i>Helmut Kuwan</i>, HK Forschung, DE</p> <p><b>Curriculum development for green jobs in the biomass production for energy purposes</b> <i>Ladislav Nozdrovicky</i>, Slovak Agricultural University in Nitra, SK</p> <p><b>Discussion</b></p>
15.30-16.00	<i>Tea/Coffee break</i>
	Chairperson: <i>Peter Szovics</i> (Cedefop)
16.00-17.30	<p><b><u>Discussion in three parallel focus groups</u></b></p> <p>This session will address the key opportunities and challenges facing green jobs, in particular future skills needed for professionals in the green economy.</p> <p><i>Moderators and rapporteurs:</i></p> <ul style="list-style-type: none"> <li>• <i>John McGrath</i>, Training and Employment Authority, IE</li> <li>• <i>Clive Walmsley</i>, Countryside Council for Wales, UK</li> <li>• <i>Olga Strietska-Ilina</i>, Skillsnet</li> </ul>
19.00	<i>Guided tour of the city</i>
20.00	<i>Dinner at Restaurant Panellinion</i>

**Tuesday, 7 October 2008**

Chairperson: *Alena Zukersteinova* (Cedefop)

09.30-11.00	<p><b><u>Employment generation: renewables and energy efficiency</u></b></p> <p><b>Securing European prosperity through global leadership on climate change: future growth sectors in technology &amp; construction; skills needs for low carbon, energy efficient and renewable innovation and infrastructure, and opportunities for global market leadership</b> <i>Nick Mabey</i>, E3G Third Generation Environmentalism, UK</p> <p><b>Personal skills needed for business opportunities in eco industries to leapfrog from end of pipe solutions to resource efficient eco design products</b> <i>Sebastian Gallehr</i>, e5-European Business Council for Sustainable Energy, DE</p> <p><b>Future skill needs in renewable energies in Spain from the perspective of enterprises</b> <i>Javier Gómez</i>, Union Institute of Work, Environment &amp; Health (ISTAS), ES</p> <p><b>Discussion</b></p>
11.00-11.30	<i>Tea/Coffee break</i>
11.30-12.15	<b>Reports from focus groups</b>
	Chairperson: <i>Peter Szovics</i> (Cedefop)
12.15-13.00	<p><b><u>Moving the agenda forward</u></b></p> <p><b>Environment and labour force skills</b> <i>Allister Slingenberg</i>, ECORYS Holding BV, NL</p> <p><b>Discussion</b></p> <p><b>Future steps and concluding remarks</b> <i>Manfred Tessaring</i>, Cedefop <i>Representatives from DG EMPL</i></p>
13.00	<i>End of the workshop</i>

## Contact details

### Cedefop/Skillsnet team

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