



OECD LEED
FORUM ON PARTNERSHIPS
AND LOCAL GOVERNANCE



LOCAL STRATEGIES FOR GREENING JOBS AND SKILLS

Capacity building seminar for those involved in designing and putting in place
local strategies to respond to the climate change challenge

In co-operation with the International Labour Organisation

9-11 June 2010, Trento, Italy

Agenda

Organised by

OECD LEED Trento Centre for Local Development

Vicolo San Marco 1, Trento, Italy



The activities of the OECD LEED Forum on Partnerships and Local Governance benefit from the support of the European Commission DG Employment, Social Affairs & Equal Opportunities

The issue

'Greening the economy' is today one of the most pressing issues in the majority of OECD countries. While at the macro level the implications of climate change are widely acknowledged and acted upon, it is at the local level that impacts have yet to be considered in detail. Labour markets at local levels may find themselves under particular pressure to undertake the required adjustments. In local economies and among the dense networks of enterprises that underpin such economies, there is real concern that climate change mitigation and adaptation will simply mean job destruction as some jobs may be replaced and other suppressed. This concern grows as some job profiles will be transformed and new skills will be required.

However, the local level could lead the transition to a greener labour market and a more sustainable economic development if the current opportunity is seized appropriately.

The seminar

The seminar will review the impact of the climate change on local labour markets and study the different tools and methods that can be used to facilitate and best manage the transition to a greener local economy.

Green growth in practice: the seminar will begin with an interactive session where participants will have the opportunity to present and discuss with colleagues the projects to foster greener growth in their localities.

The seminar will focus on different tools that can help to:

1. **Understand the impact of climate change on the local labour market**
2. **Define the green jobs and skills in your locality**
3. **Diagnose job creation and job transformation opportunities in your locality**
4. **Stimulate green demand**

The group will also review concrete examples of local initiatives aimed at:

5. **Greening jobs and skills**
6. **Green job creation**
7. **Innovative approaches in traditional industries**

Finally, we will study how to:

8. **Put it all together: integrating different policy strands and ensuring implementation**

Who

OECD countries' policy makers and practitioners directly involved in designing and putting in place local strategies to respond to the climate change challenges (national and regional authorities, local employment services, ministries of labour and environment, education and training institutions, regional development agencies, local partnerships ...).

The OECD LEED Forum on Partnerships and Local Governance

This seminar is part of the OECD LEED Forum on Partnerships and Local Governance, a worldwide network of local development practitioners. The Forum informs its members on local development innovations, organises capacity building seminars and study visits, releases handbooks and training materials, and provides networking opportunities through international conferences and an Annual Meeting held in Vienna. Today the Forum has over 2.600 members in some 53 countries. All institutions and organisations involved in local development may join the Forum. The activities of the Forum are supported by the European Commission, the Austrian Federal Ministry of Economy and Labour and Pobal, Ireland. To learn more on the Forum on Partnerships and Local Governance:

www.oecd.org/cfe/leed/forum/partnerships

or contact the Forum team co-ordinator:

Ekaterina.Travkina@oecd.org

Summary



Wednesday, 9 June

- 9.30-11.00** UNDERSTANDING THE IMPACT OF CLIMATE CHANGE ON LOCAL LABOUR MARKETS
- 11.00-13.00** 'GREEN' PROJECTS SESSION
- 14.00-15.30** WHAT EXACTLY IS A GREEN JOB AND A GREEN SKILL?
- 16.15-17.45** STUDY VISIT TO HABITECH (<http://www.dttn.it/english>)

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Thursday, 10 June

- 9.00-10.00** WHAT HAVE WE LEARNT FROM THE CASE OF HABITECH?
- 10.15-11.15** TOOLS AND METHODS TO ANTICIPATE LOCAL JOB CREATION & SUPPRESSION OPPORTUNITIES AND THREATS
- 11.30-17.30** LOCAL RESPONSES:
- Greening jobs and skills
 - Green job creation
 - Innovative approaches in traditional sectors
- 17.30-18.00** LEARNING POINTS OF THE DAY

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Friday, 11 June

- 9.30-11.00** STIMULATING GREEN DEMAND
- 11.30-12.30** PUTTING IT ALL TOGETHER
- 12.30-13.00** LEARNING POINTS OF THE DAY

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Wednesday, 9 June 2010

9.30-11.00

UNDERSTANDING THE IMPACT OF CLIMATE CHANGE ON LOCAL LABOUR MARKETS

Opening by *Sylvain Giguère*, Head of LEED Programme, OECD and *Robert Strauss*, Head of Unit, Employment Strategy, CSR & Local Development, DG Employment, Social Affairs & Equal Opportunities, EC, Chair, OECD LEED Forum on Partnerships and Local Governance

Understanding how climate change will affect local economies and labour markets is a starting point for any strategy making in the context of environmental constraints. However, this is not an easy task. Climate change can influence the labour markets in several ways with different implications on businesses, workers and public organisations. There is the impact on natural and built environment (e.g. rising temperatures may have a positive impact on agricultural productivity and employment in mid-and high altitude regions, while the economies of low-lying coastal zones may suffer dramatically from changes in sea surface temperature and ice melt). Regulations and policies to mitigate and adapt to the climate change, and enable the transition to greener economy can change the way businesses operate as well as consumers' habits. 'Green social conscience' can also influence and drive policies, regulations and labour markets by changing consumer choices. As a result, some new jobs will be created, others transformed or substituted and yet others eliminated without direct replacement.

Introduction by *Cristina Martinez-Fernandez* and *Gabriela Miranda*, OECD LEED Programme

Facilitated discussion:

- What is the expected impact of the climate change on your local labour markets? What are the key recent regulations that induce changes in business practices and consumers' habits in your locality? How do these impact on your labour markets? How green growth can be embedded locally?

Facilitator: *Sylvain Giguère*, Head of LEED Programme, OECD

11.00-13.00

'GREEN' PROJECTS SESSION

The session is divided into 2 rounds that will each last 1 hour (11.00-12.00 and 12.00-13.00).

If you are a presenter: In one of the sessions you will be a "host" and in the other one an "interviewer". As a "host" you will meet with 2 small groups of participants (maximum 4 persons) for 2 subsequent 25/30-minute interview-meetings, during which you are invited to share your experiences. As an "interviewer" you will have the opportunity to participate in 2 interview-meetings.

If you are not a presenter you will have the opportunity to participate in 4 interview-meetings.



First round 11.00 -12.00

Stand	Left side of the corridor	Stand	Right side of the corridor
1.a	Flanders region: the effects of climate policy on the Flemish labour market <i>Jos Raymenants</i>	2.a	Manifattura Domani <i>Brian Martin</i>
3.a	The case of 'Eolicas de Portugal' <i>Gabriela Prata Dias</i>	4.a	Skills for Green Jobs <i>Vanessa Foo</i>
5.a	Skills for Green Jobs <i>Christine Hofmann</i>		

Second round 12.00 -13.00

Stand	Left side of the corridor	Stand	Right side of the corridor
1.b	Systemic Design in Energy sector towards Local Economic Development <i>Silvia Barbero</i>	2.b	EQUIJOBS: Training paths for the labour insertion of rural women in sectors with more male presence <i>Emanuela Atzori</i>
3.b	San Joaquin Valley Green Job Corps <i>Andrea Baker</i>	4.b	E:job – Mobility Centre for Energy and Environment <i>Alois Deutschmann</i>
5.b	Climate Change, Employment and Local Development <i>Gabriela Miranda</i>		

13.00-14.00

Lunch

MATERIAL

Impacts of climate change on labour markets

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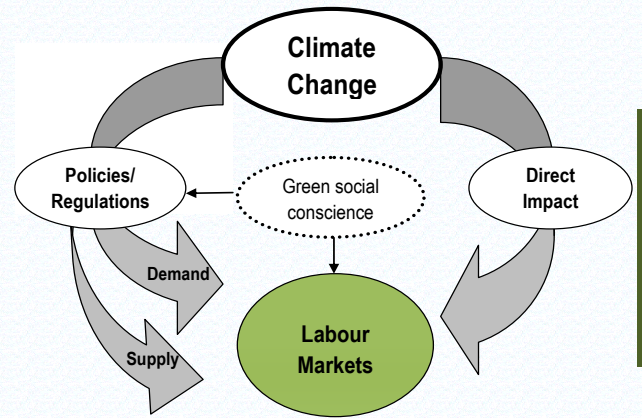
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DAY 1

Green jobs intensity by sector

	Job Intensity
Building Refurbishment	high
Switch to Cleaner Cars	moderate
Wind, Solar	high
Smart Metering	high
Battery Development	moderate
Clean Energy R&D	moderate
CCS	low

■ high
 ■ moderate
 ■ low

It is difficult to assess the expected impact on local labour markets. The information that is available relates mostly to specific sectors rather than labour markets as a whole

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Source: IEA, 2009

How are labour markets going to adjust?

1. additional jobs will be created
2. some employment will be substituted
3. certain jobs will be eliminated without direct replacement
4. many existing jobs will simply be transformed
5. some jobs will migrate

Discussion:

- What is the expected impact of the climate change on your local labour markets? What are the key recent regulations that induce changes in business practices and consumers' habits in your locality? How do these impact on your labour markets? How green growth can be embedded locally?

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14.00-15.30

WHAT EXACTLY IS A GREEN JOB AND A GREEN SKILL?

Facilitator: *Gabriela Miranda*, OECD LEED Programme

An engineer of building retrofitting company can be considered to have a green job, but how about someone working in the accounting of the same company? There are myriads of definitions of 'green' jobs. An encompassing definition can define as 'green' the jobs that contribute to protecting the environment and reducing the harmful effects human activity has on it (mitigation), or to helping to better cope with current climate change conditions (adaptation). This definition may not be of great help to local policy makers as it includes a wide array of skills, educational backgrounds, occupational models that can be found at any point on the supply chain of green firms or businesses. Concrete criteria and indicators are needed to help policy makers to define where green jobs are and will be in their local economies and to design local strategies for greening jobs and skills.

Presentation by *Christine Hofmann*, Expert, Skills and Employability Development, ILO and *Kees Van der Ree*, Programme Manager, Sustainable Enterprise Development Programme, ILO

Contributions by *Cristina Martinez-Fernandez*, OECD LEED Programme

Facilitated discussion

Introduction to the study visit by *Ekaterina Travkina*, OECD LEED Programme

15.30-16.00

Transfer to Rovereto

16.15-17.45

STUDY VISIT TO HABITECH (<http://www.dttm.it/english>)

Facilitator: *Gabriela Miranda* and *Ekaterina Travkina*, OECD LEED Programme

An Energy and Environment Cluster of over 300 companies, research organisations and public agencies, for a total of 8,000 employees with a turnover of close one billion euro. Habitech focuses on Green Building, Energy and Sustainable Mobility and provides services for innovation, technical and commercial support for enterprises.

Presentation by *Paolo Gurisatti*, Board Member and former President, Habitech, Italy

18.30

Return to Trento, free evening

MATERIAL

The stairway to 'green utopia'

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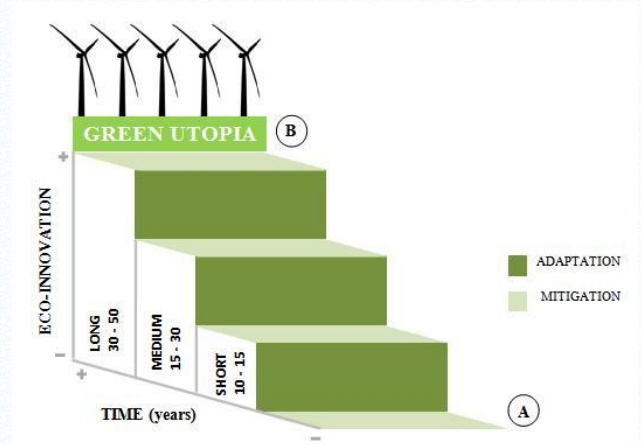
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DAY
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Green equilibrium dashboard

← GREEN EQUILIBRIUM →

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	SECTOR/OUTPUT	PRODUCTION METHOD	GREEN AWARENESS	VALUE CHAIN	OCCUPATION	SKILLS	JOB DEGENCY	WORKLOAD		-
	INDICATORS									

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STUDY VISIT TO HABITECH

ASSIGNMENT: Prepare a 10 minutes presentation on Habitech to be presented on Thursday 10 June.

After a presentation and discussion with Habitech management, participants will be invited to break into two groups. Each group will have some 20-30 minutes to nominate a rapporteur (who will report the results on Thursday 10 June) and prepare a presentation that will:

Describe and assess the impact of Habitech on the regional economy and employment, for example:

- How did Habitech built on existing assets and capacities of the region to establish a green industry in Trento?
- How did HABITECH anticipate the skills needs? Which type of jobs are associated to the cluster today? And tomorrow?

Identify 3 strengths and challenges of the Habitech cluster.

Strengths

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Challenges

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Provide 3 recommendations on how Habitech can be strengthened.

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2.
3.

Thursday, 10 June 2010

9.00-10.00

WHAT HAVE WE LEARNT FROM THE CASE OF HABITECH?

Facilitators: *Stefano Barbieri*, Head of the OECD LEED Trento Centre, and *Gabriela Miranda*, OECD LEED Programme

Participants will report back their findings on the Habitech cluster impact on employment and skills and the various tools and methods identified during the study visit. This will be followed by a discussion of the Autonomous Province of Trento approaches to greening the regional economy and employment.

Facilitated discussion

With the participation of Habitech management, Autonomous Province of Trento Administration, Manifattura Domani and Trentino Sviluppo (regional development agency).

10.00-10.15

Coffee break

10.15-11.15

TOOLS AND METHODS TO ANTICIPATE LOCAL JOB CREATION & SUPPRESSION

Facilitator: *Robert Strauss*, Head of Unit, Employment Strategy, CSR & Local Development, DG Employment, Social Affairs & Equal Opportunities, EC, Chair, OECD LEED Forum on Partnerships and Local Governance

The shift to a low-carbon economy means that jobs and skills will change ever faster. However, understanding how exactly the local labour market is affected, in which sectors jobs are likely to be created and where they will disappear, and which skills should be provided to match future jobs is a difficult task. This session will review the key principles of local labour market monitoring and forecasting to support evidence based policy making.

Lecture by *Randall Eberts*, President, W.E. Upjohn Institute for Employment Research, U.S.

Questions/Answers session

11.15-11.30

Break

11.30-17.30

LOCAL RESPONSES: Drawing on international case studies the three session on local responses will seek to distil the success factors of local policies aimed at: i) greening existing jobs and skills; ii) green job creation; and iii) fostering green innovation in traditional sectors.

11.30-13.00

LOCAL RESPONSES I: GREENING JOBS AND SKILLS

Facilitator: *Margaret Pearce*, Minister-Counsellor for Education and Employment, Delegation of Australia to the OECD

Case studies:

- **California** by *Andrea Baker*, Chair, California Workforce Association, U.S.
- **Sydney** by *Graham Larcombe*, Director, Strategic Economics, Australia

Comment by *Roland Schneider*, Senior Policy Adviser, Trade Union Advisory Committee (TUAC) to the OECD

Facilitated discussion

Conclusions by *Randall Eberts*, President, W.E. Upjohn Institute for Employment Research, U.S.

13.00-14.00

Lunch

MATERIAL

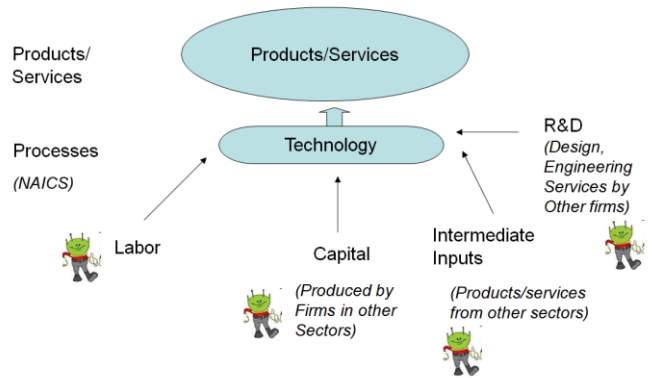
TOOLS AND METHODS TO ANTICIPATE LOCAL JOB CREATION & SUPPRESSION

U.S. Bureau of Labor Statistics (BLS) approaches to identifying environmental economic activity and measuring associated jobs:

- **The output approach**—identifies establishments that produce green goods and services and counts the associated jobs

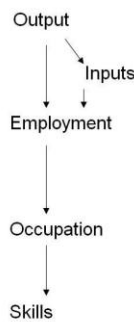
- **The process approach**—identifies establishments that use environmentally-friendly production processes and practices and counts the associated jobs.

Conceptual Framework



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Tools



- National input-output tables
- Regional input-output multipliers
 - Estimate how much a one-time or sustained increase in economic activity in a particular region will be supplied by industries located in the region.
- Industry-employment tables
 - Estimates the employment of each industry
- Industry-occupation tables
 - Estimates the occupations employed by each industry
- Occupation-skills tables
 - Estimates the set of skills required by each occupation

14.00-15.30

LOCAL RESPONSES II: GREEN JOB CREATION

Facilitator: *Kees Van der Ree*, Programme Manager, Sustainable Enterprise Development Programme, ILO

Case studies:

- **The case of 'Eolicas de Portugal'** by *Gabriela Prata Dias*, CEEETA-ECO Energy Consultancy, Lisbon, Portugal

Group work

Conclusions by *Randall Eberts*, President, W.E. Upjohn Institute for Employment Research, U.S.

15.30-16.00

Coffee break

16.00-17.30

LOCAL RESPONSES III: INNOVATIVE APPROACHES IN TRADITIONAL SECTORS

Facilitator: *Gabriela Miranda*, OECD LEED Programme

Case studies:

- **From an environmental emergency to a model of economic development: "the Peccioli System"** by *Renzo Macelloni*, President of Belvedere plc. and former Mayor of Peccioli Municipality and *Nadio Delai*, President, Ermeneia Studies&Systemic Strategies Ltd., Italy
- **Systemic Design** by *Silvia Barbero*, Team Coordinator, Politecnico University of Turin, Italy

Facilitated discussion

Conclusions by *Randall Eberts*, President, W.E. Upjohn Institute for Employment Research, U.S.

17.30-18.00

Learning points of the day

Participants to reflect on the lessons that can be used for their work back home

Friday 11 June, 2010

9.30-11.00

STIMULATING GREEN DEMAND

Facilitator: *Roland Schneider*, Senior Policy Adviser, Trade Union Advisory Committee (TUAC) to the OECD

Stimulating the demand for green products and services can be an important element of local strategies for greening jobs and skills. Several instruments are being experimented with by national and local authorities. Taxing products with high environmental footprints, creating green labeling, setting new standards and greening public procurement can lead to the expansion of certain economic sectors and industries. This is bound to impact labour markets locally and should therefore be given appropriate consideration.

Contributions by *Liazzat Rabbiosi* and *Isabella Marras*, Sustainable Consumption and Production Branch, Division of Technology, Industry and Economics, United Nations Environment Programme and *Martin Gasser*, ILO International Training Centre

Facilitated discussion

11.00-11.30

Coffee break

11.30-12.30

PUTTING IT ALL TOGETHER

Facilitator: *Cristina Martinez-Fernandez*, OECD LEED Programme

This session will focus on how to put together different policy tools into a coherent strategy aligning short and long term priorities; agreeing on roles and responsibilities of various partners and how to get strategies implemented.

Contributions by:

- *Graham Larcombe*, Director, Strategic Economics, Australia
- *Michael Förschner*, Senior Expert, Centre for Social Innovation (ZSI), Vienna, Austria and *Alois Deutschmann*, Chief Executive Officer, move-ment Personal- und Unternehmensberatung GmbH, Austria

Facilitated discussion

12.30-13.00

Learning points

Participants to reflect on the lessons that can be used for their work back home

13.00-14.00

Farewell lunch



OECD LEED Forum on Partnerships and Local Governance

www.oecd.org/cfe/leed/forum/partnerships

FORUM TEAM

OECD Headquarters, Paris, France

Mailing address:

Rue André-Pascal 2

F-75775 Paris Cedex 16, France

Sylvain Giguère, Head of the LEED Division: sylvain.giguere@oecd.org

Ekaterina Travkina, Forum Team Leader: ekaterina.travkina@oecd.org

Francesca Froy, Co-ordinator for activities on employment, skills and local governance: francesca.froy@oec.org

Cristina Martinez-Fernandez, Policy Analyst (Employment, Skills, Green Growth and Southeast Asia), Manager of the OECD/LEED Initiative on Employment and Skills Strategies in Southeast Asia (ESSSA), cristina.martinez-fernandez@oecd.org

OECD LEED Trento Centre for Local Development, Trento, Italy

Mailing address:

Vicolo San Marco 1

I-38100 Trento, Italy

Andrea-Rosalinde Hofer, Policy Analyst (reviews, capacity building sessions): andrea-rosalinde.hofer@oecd.org

Elisa Campestrin, Information and Communication Technology Manager: elisa.campestrin@oecd.org

Centre for Social Innovation (ZSI), Vienna, Austria

Mailing address:

Linke Wienzeile 246

A-1150 Vienna, Austria

Michael Förschner, Team Leader at ZSI: foerschner@zsi.at

Jana Macháčová, Network Manager: machacova@zsi.at

Eva Rubik, Assistant: rubik@zsi.at

Anette Scoppetta, Manager of the projects "Coordination Unit of Territorial Employment Pacts in Austria" at ZSI: scoppetta@zsi.at

FORUM BOARD

Chairman: Robert Strauss, Head of Unit D/2 "EES, CSR, Local Development", DG Employment, Social Affairs and Equal Opportunities, European Commission: robert.strauss@ec.europa.eu

Doris Ballwein, Fed. Ministry of Labour, Social Affairs and Consumer Protection (BMAŠK), Austria: doris.ballwein@bmwa.gv.at

Hélène Deslauriers, Executive Director, Réseau des SADC du Québec, Canada: hdeslauriers@ciril.qc.ca

Denis Leamy, Chief Executive of Pobal, Ireland: dleamy@pobal.ie

Anna Orologa, Director for Monitoring & Evaluation of Active Employment Policies, Employment Observatory Research – Informatics SA, Greece: arologia@paep.org.gr

Sally Sinclair, CEO of the National Employment Services Association, Australia: sallys@nesa.com.au

Louis Vervloet, Director of ESF Unit, Flemish Ministry of Employment, Belgium: louis.vervloet@ewbl.vlaanderen.be