## High Council for Employment



## Report 2010: Green jobs

Jan SMETS<br>Vice-chairman

28 September 2010

## Estimates of green jobs

## Broad concept ${ }^{1}$ : job content approach

- More than 26 million direct green jobs worldwide (UNEP, 2008)
- 5 million direct and indirect green jobs in the EU (WWF, 2009)

Narrow concept ${ }^{2}$ : activity approach

Employment in the eco-industries in the EU
(thousands FTE)

|  | $2000^{3}$ | $2004^{4}$ | $2006^{4}$ | $2008^{4}$ |
| :--- | :---: | :---: | :---: | :---: |
| Direct employment <br> p.m. direct employment in p.c. <br> of total employment | $\mathbf{2 , 3 6 4}$ | $\mathbf{2 , 7 5 4}$ | $\mathbf{3 , 0 5 7}$ | $\mathbf{3 , 4 4 1}$ |
| Indirect employment |  |  |  |  |

## Employment in the Belgian environment industry



## Gross domestic expenditure on R\&D in $2008^{1}$

(percentage of GDP)


Tertiary graduates in science and technology in 2008
(percentage of new graduates in the population aged 20 to 29)



## Environment-related employment by educational background and sectors, on average in five EU countries ${ }^{1}$, in 2000

(percentages of the corresponding total)

Eco-industries


Eco-consulting

$■$ University $\square$ Advanced technical college ■Upper secondary education

Waste management

p.m. Total employment


## Participation rate in training by occupation in 2007

(percentage of total)


## Comparison between the greening of the economy and the introduction of ICT

- Similarities
- major challenge and several opportunities for the economic activity
- impact on the professional and private spheres
- non-homogenous expansion process, with no "end point"
- impact on employment difficult to estimate
- elimination of jobs, creation of new occupations, but mostly change in the content of the job (importance of education and training)
- teleworking
- Differences
- reasons why these changes occur:
$\checkmark$ ICT: spurred on by economic agents individually
$\checkmark$ greening of the economy: under collective pressure by the international community
- increased intervention of the public authorities in the case of the greening of the economy
- fundamental changes expected for a more limited number of activities


## Recommendations

- new skills for new jobs
- defining future labour market needs: forward-looking observatory on occupations and skills
- initial education: promoting and adapting technical and scientific education, teaching ecology and sustainable development
- lifelong learning: developing and certifiying "eco-training"
- easing and supporting the transition towards a green economy
- adapting labour law to ease the changes
- social support to restructuring
- improving the match between the supply and the demand of labour (Public Employment Service)
- considering the possibility of a complementary supply of skills through migration
- looking after the quality of the new green jobs


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