

European Centre for the Development of Vocational Training





Skills for a low carbon Europe

Thematic Event of the Mutual Learning Programme

"Pathways to green jobs: strategies and policy options for a sustainable job-rich recovery"

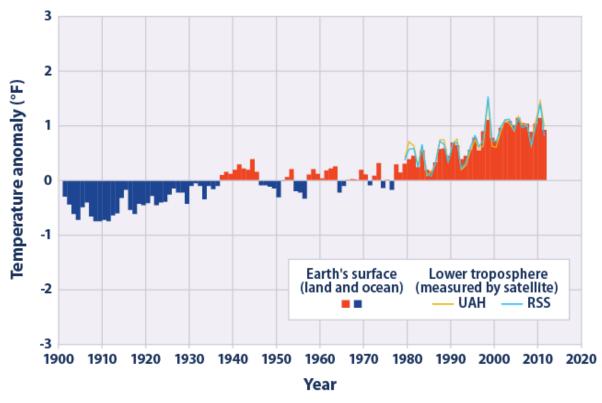
Brussels, 26 June 2013

Antonio Ranieri Cedefop



Is 'GREEN' necessary, feasible, attractive?

Temperatures Worldwide, 1901–2011



What we know:

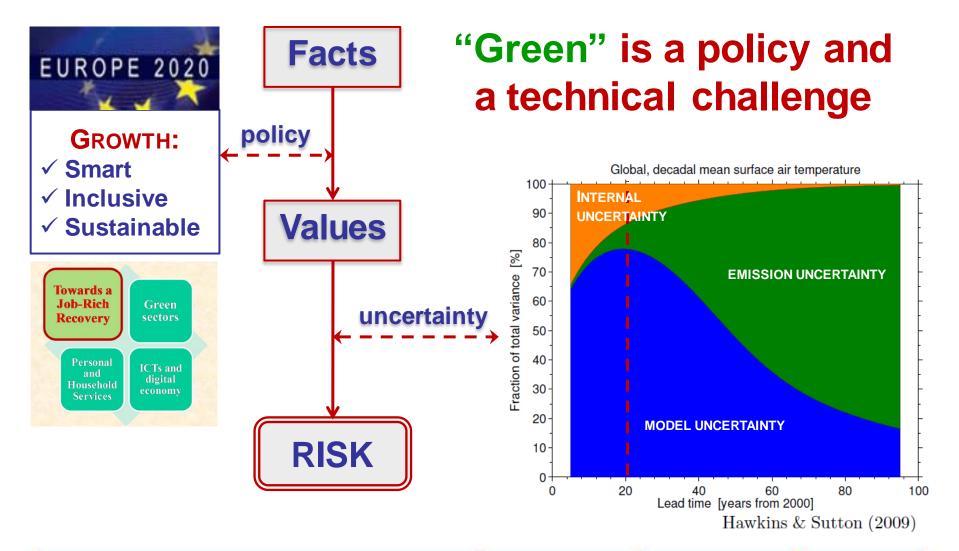
Climate is warming

GHG emissions are increasing

Human activity is heavily influencing GHG growth

Data source: NOAA (National Oceanic and Atmospheric Administration). 2012. National Climatic Data Center. Accessed April 2012. www.ncdc.noaa.gov/oa/ncdc.html.





Europe's multiple challenge: goal conflicts?

Recovering from the crisis: **unemployment**, accelerated structural changes

Technological, organisational changes

Climate change: **low carbon** economy, sustainable development

Demographic change: older workers, migration, activating labour force

Social cohesion, poverty

EUROPE 2020

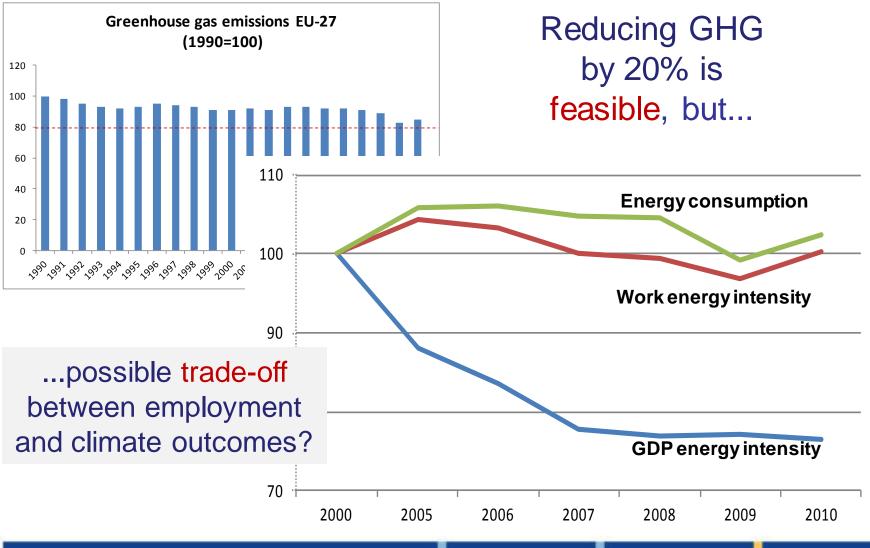
Smart growth: economy based on knowledge and innovation

Inclusive growth: high employment, economic, social and territorial cohesion

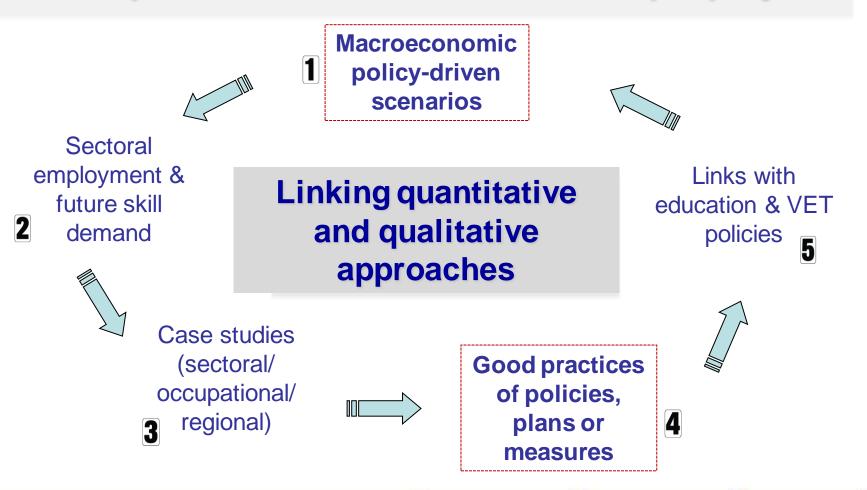
Sustainable growth: more resource efficient, Sustainable and competitive economy

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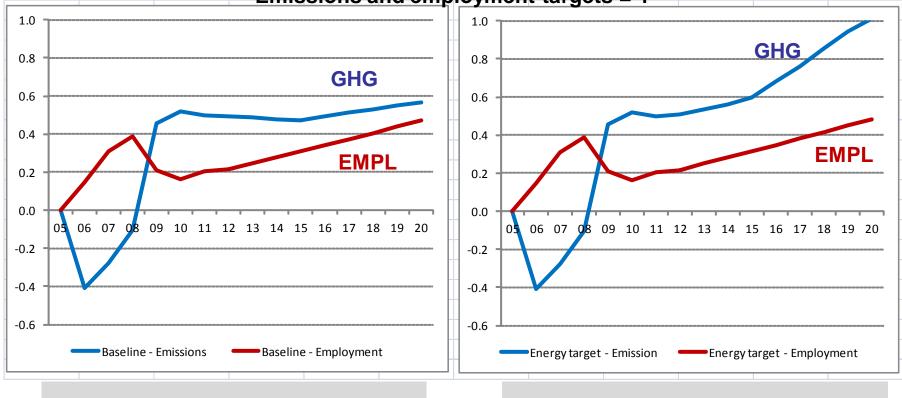


Cedefop's 'skills for a low carbon Europe' project



Greenhouse gas emissions and employment Selected policy scenarios up to 2020 EU-27

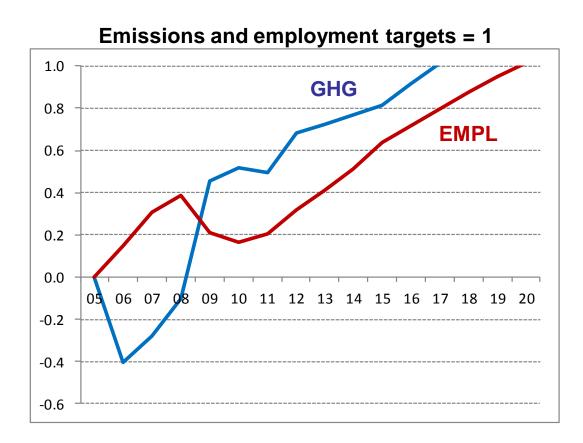
Emissions and employment targets = 1



BASELINE SCENARIO

ENERGY TARGET SCENARIO

Selected policy scenarios up to 2020 EU-27



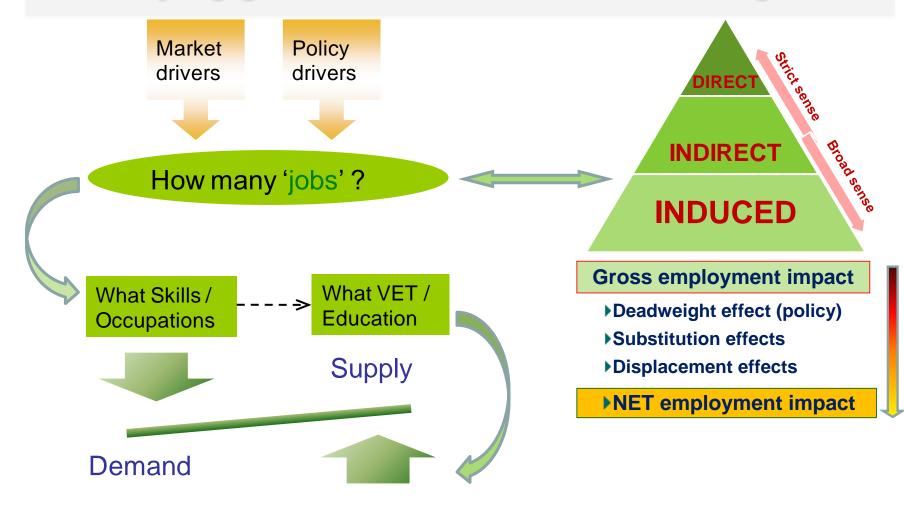
ENERGY&EMPLOYMENT TARGETS SCENARIO

Have your cake and eat it?

A sustainable and energyefficient economy can be achieved at the same time as employment growth...

... but a greater integration of climate and energy polices is necessary with measures to support employment, innovation and innovative and responsive vocational education and training

Identifying green skills for innovation and growth



VET challenges and innovation responses Case studies and best practices across EU MS

- 16 case studies of VET programmes across the four strategic domains: wind power, solar thermal heating, public buildings and road freight transport and logistics.
- Exploring the scope for the **transferability** of good practice experience to other countries and regions in Europe: *information* available; *relevance* to the green economy; degree of policy *integration*; *effectiveness*; *sustainability*; *innovation*; *replicability*/*transferability*.

Different models across Europe... ... but some common features are necessary

- a) Integrate low carbon and skills development strategies
- b) Develop joined-up policy responses to meet employment and low carbon goals
- c) Develop new and adapt existing systems of social dialogue
- d) Promote institutional flexibility and qualification reform
- e) Develop and use labour market information to identify skills needs
- f) Establish frameworks to monitor and evaluate new programmes, and to share and disseminate good practice



Thank you for your attention

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http://www.cedefop.europa.eu/EN/about-cedefop/projects/green-skills/green-skills.aspx