The UN Decade of Education and Sustainable Development: the contribution of greening TVET

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Is ‘GREEN’ necessary, feasible, attractive?

What we know:

- Climate is warming
- GHG emissions are increasing
- Human activity is heavily influencing GHG growth

Temperatures Worldwide, 1901–2011

“Green” is a policy and a technical challenge

GROWTH:
✓ Smart
✓ Inclusive
✓ Sustainable

Facts

Values

RISK

Towards a Job-Rich Recovery
Green sectors
Personal and Household Services
ICTs and digital economy

Policy uncertainty

Fraction of total variance [%]

Lead time [years from 2000]

Hawkins & Sutton (2009)
Reducing GHG by 20% is feasible, but...

Greenhouse gas emissions EU-27 (1990=100)

Source: Eurostat 2013

goal conflicts?
...possible trade-off between employment and climate outcomes

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New Cedefop’s study

Macroeconomic policy-driven sustainable scenarios

- Baseline (do nothing)
- Energy target
- Energy target empl-augmented
- …………………
- Energy & Employment targets

Good practices of policies, measures or programmes

15 case studies across four strategic domains:
- wind power,
- solar thermal heating,
- public buildings
- road freight transport and logistics

Skills for a low-carbon Europe
The role of VET in a sustainable energy scenario
Synthesis report

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Greenhouse gas emissions and employment

Selected policy scenarios up to 2020 EU-27

Emissions and employment: 2005=0; targets = 1

BASELINE SCENARIO

ENERGY TARGET SCENARIO
A sustainable and energy-efficient economy can be achieved at the same time as employment growth... ... but a greater integration of climate and energy policies is necessary with measures to support employment, innovation and innovative and responsive vocational education and training.
Thank you for your attention