

Green Growth and Sustainable Development
Forum: Addressing the social implications of green
growth 13-14 November 2014 – OECD, Paris

More and better jobs? Labor market effects from green growth

Session “Active labor market and skills policies for
green growth”

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More and better jobs?

Green jobs

1. Statistical definition comes recently to life
2. Increase by definition with growth in green sectors
3. By definition decent
4. NO implication if “more” or “less”

Job effects from green growth

1. Extend to all sectors
2. Employment from green growth > green jobs from green growth
3. Different in short-term and long-term perspective

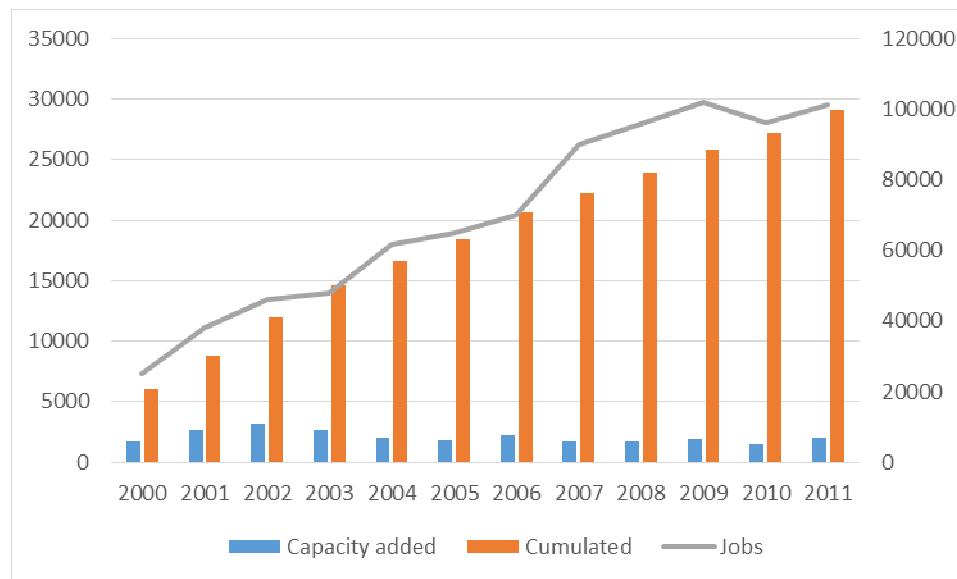
Jobs in the wind industry

Brown jobs from Green Growth

- Steady growth
- High exports
- Impact on input industries
- Also “brown industries”

Inputs

- Steel
- Energy
- Currently coal based to a large extend



Net employment – balance of positive and negative effects

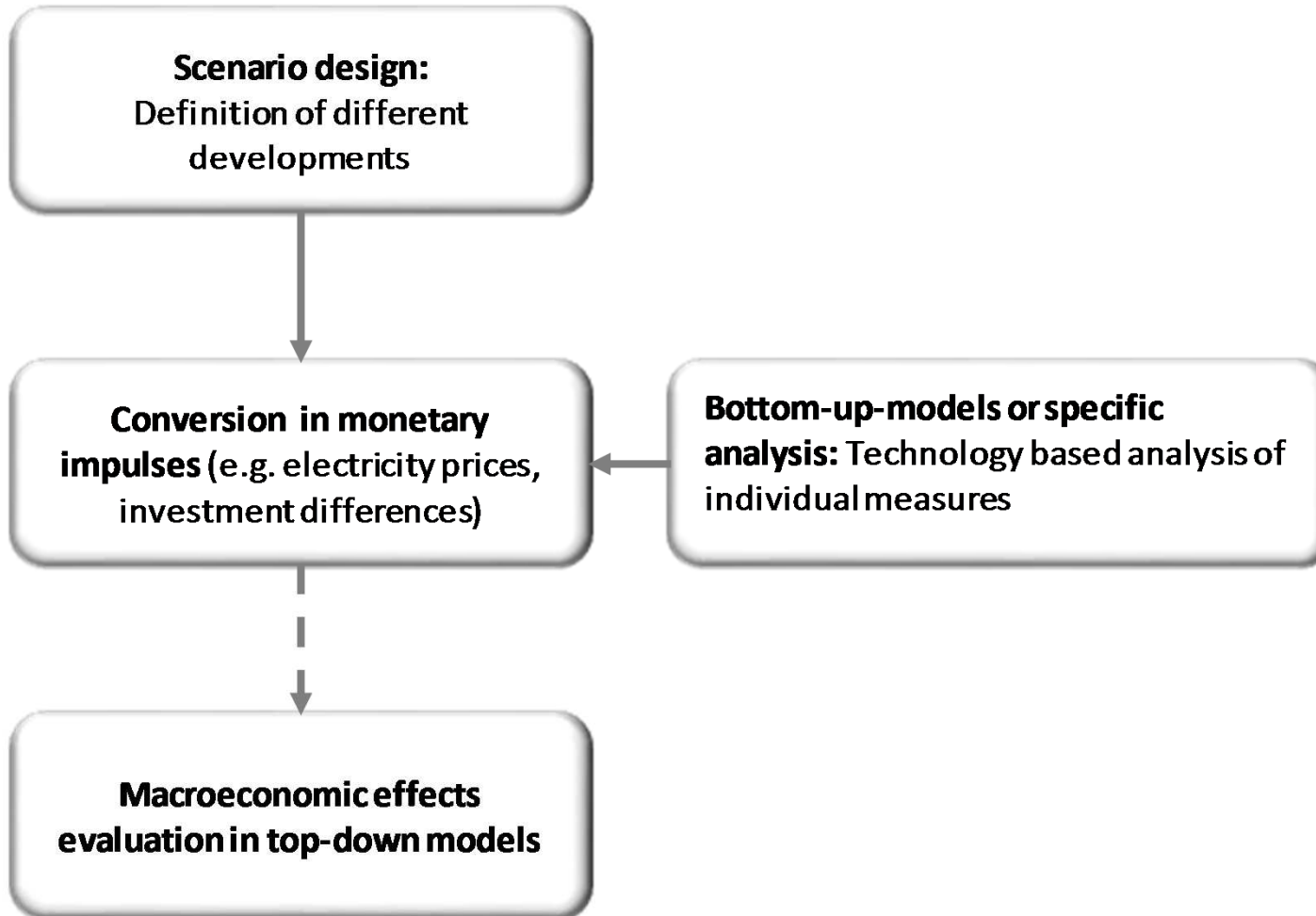
Important sectors contributing to greening the economy:

Renewable energy and

Energy Efficiency

When do they lead to more net jobs and what skill shift is required?

Macroeconomic model analysis



It depends!

Case 1: energy demand = energy supply

- RE is additional=> crowding out of fossil fuel
- Replace imports by domestic value added
- Price differences => burden sharing
- Investment effects + position on global markets
- Skills improve effectiveness and opportunities on global markets

Case 2: increasing, unmet demand

- RE is additional and complements fossil fuel
- Efficiency renders supply partly obsolete
- Efficiency is a necessity to meet demand
- Replace imports by domestic value added
- Pays back through savings
- Investment effects, impacts on construction sector
- Skills are necessity for proper results

Is the Green Economy less efficient?

Shift from energy intensive production to labor intensive

- **(Imported) coal fired power to PV**
- **Gas and oil based heating to insulation**

=> No efficiency loss

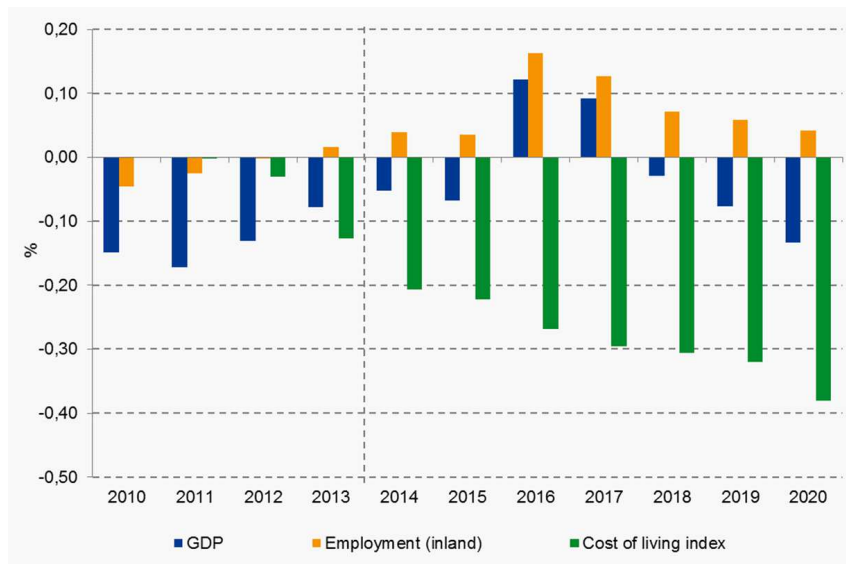
Examples

**German Energiewende
(better growth, more jobs)**

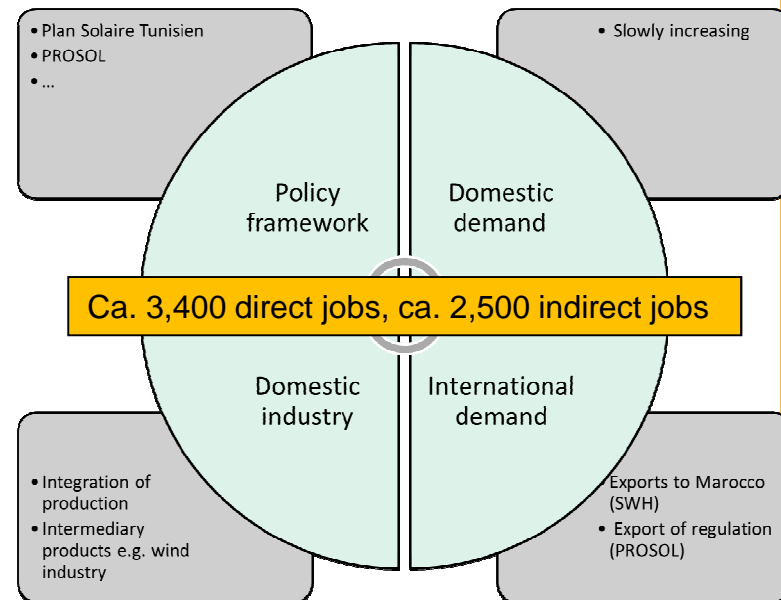
**Tunisian Solar Plan
(additional employment,
SME, private sector)**

Examples

German Energiewende



Tunisian Solar Plan



Thank you for your attention!

