Energising EU Cohesion

Powering up lagging regions in the renewable energy transition

3 Goals of the European Green Deal by 2050

- No net emissions of greenhouse gases (GHG)
- Decoupled economic growth from resource use
- No person and no place left behind

Where are the GHG emissions coming from?



Bertelsmann**Stiftung**

Source: EEA

Renewable energy transition ...

Phasing out fossil energy

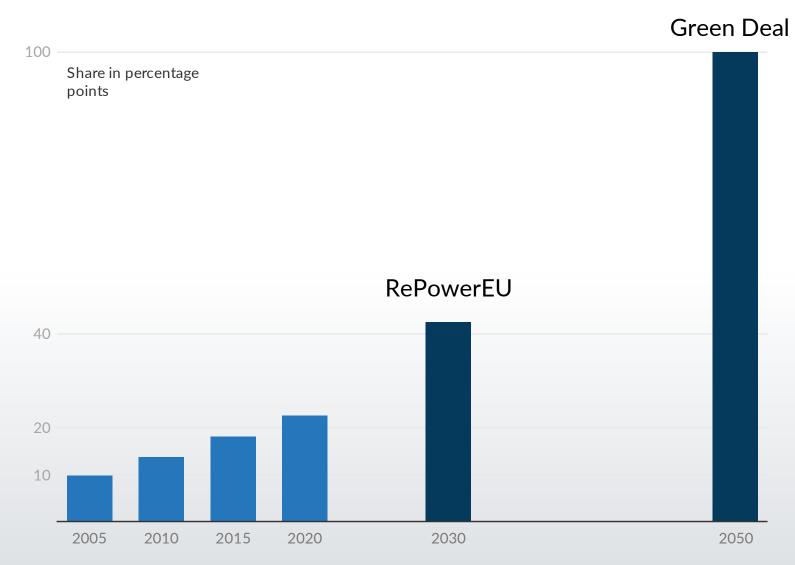
- Electricity generation
- Space heating
- Mobility and transportation

Expanding renewable energy

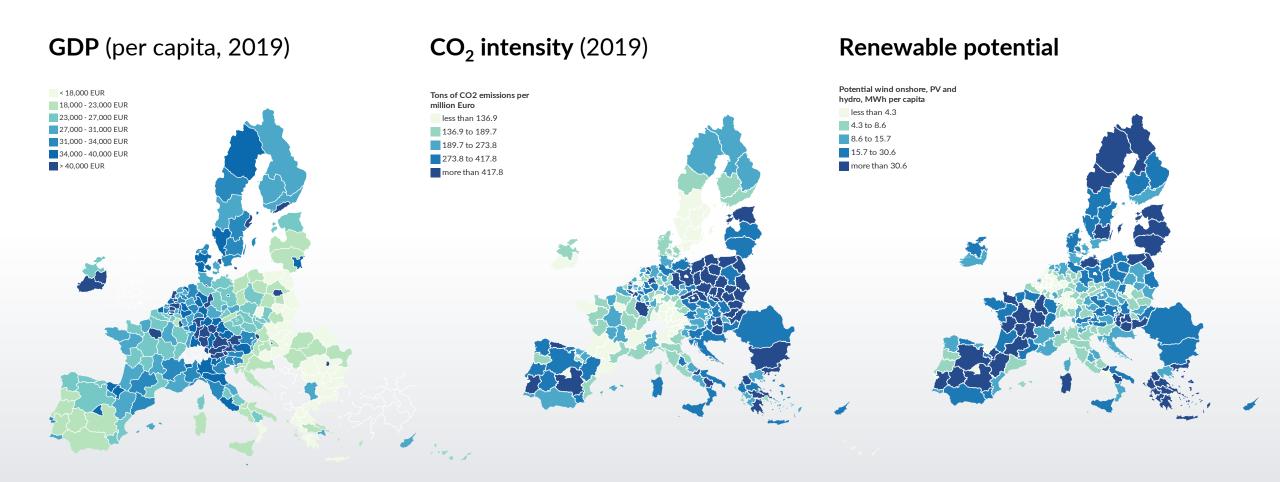
- More wind, solar, hydropower, ...
- Electrification of everything
- Storage and adapted grid

... with substantial impact on the economy

Where do we stand with renewable energy?



Different regional starting positions



This study

- What are the economic effects of the renewable energy transition?
- Which regions are likely to gain?
- What does this mean for economic cohesion in Europe?



Energy transition impacting the economy

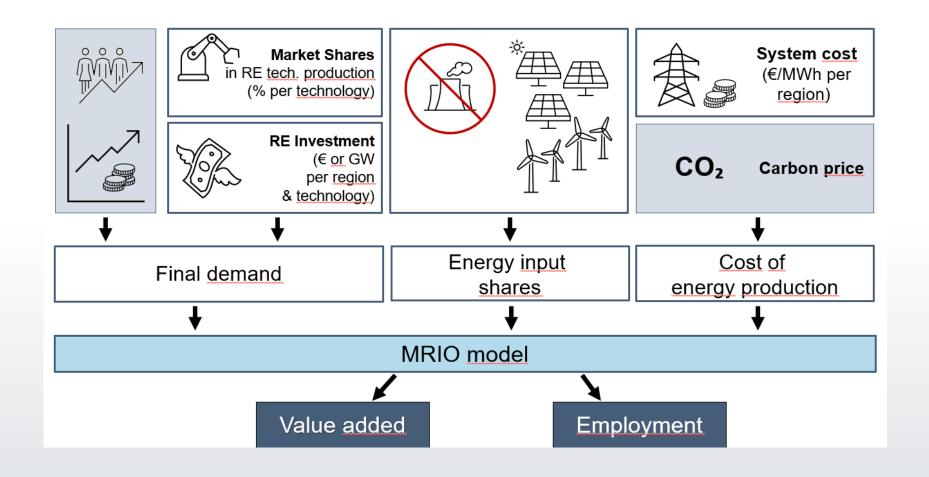
Phasing out fossil energy

- Reduction in mining and exploration activities
- Less processing of fossil materials
- End of power generation from coal and gas and fossil cars

Phasing in renewable energy

- Producing more solar panels, wind turbines, ...
- Installing panels and turbines
- Maintenance of panels and turbines

Economic model for assessing the impact

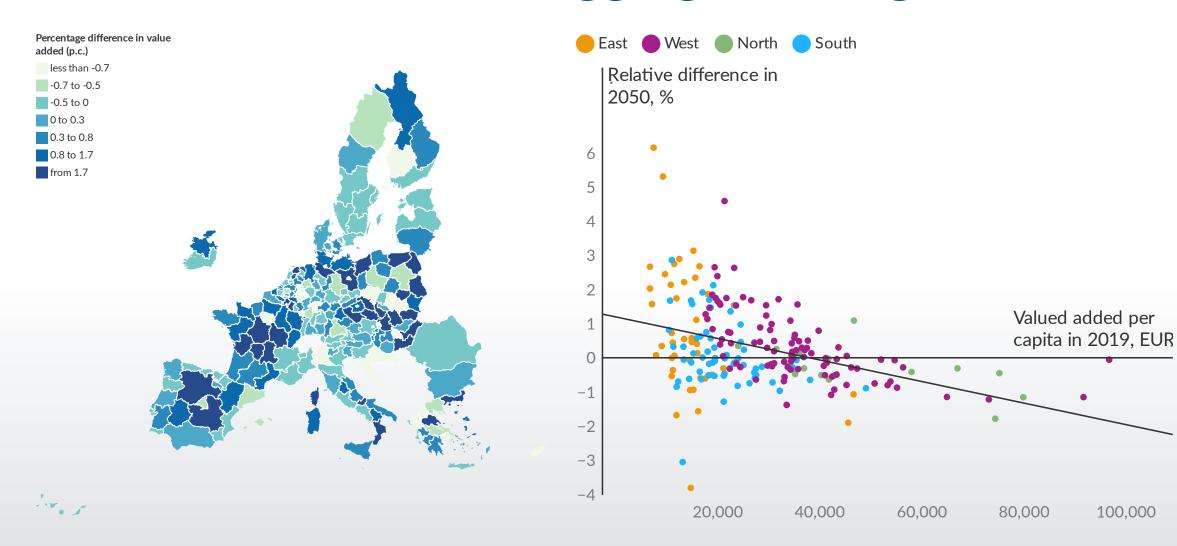


No change on overall economic performance ...

- 0.3% less value added in 2050
- 0.1% less employment in 2050

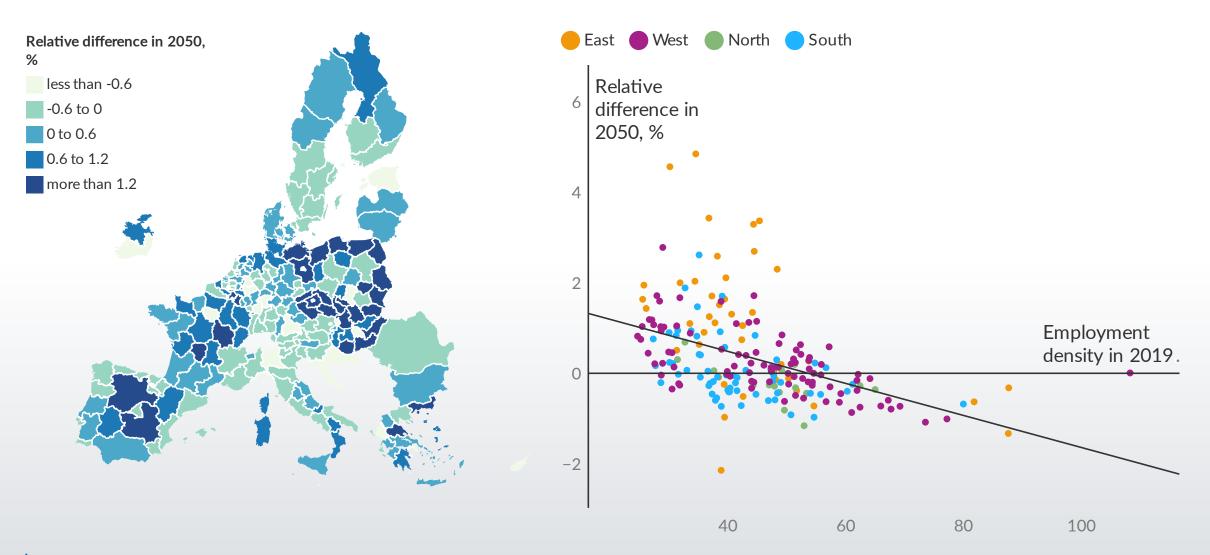
... but substantial variation across regions!

More value added in lagging rural regions



100,000

More employment lagging rural regions by 2050



Rural regions to catch up





Cohesion Policy needs to adapt





Inspiring People. Shaping the Future.











