

# SOCIO-ECONOMIC IMPACTS OF RENEWABLE ENERGY

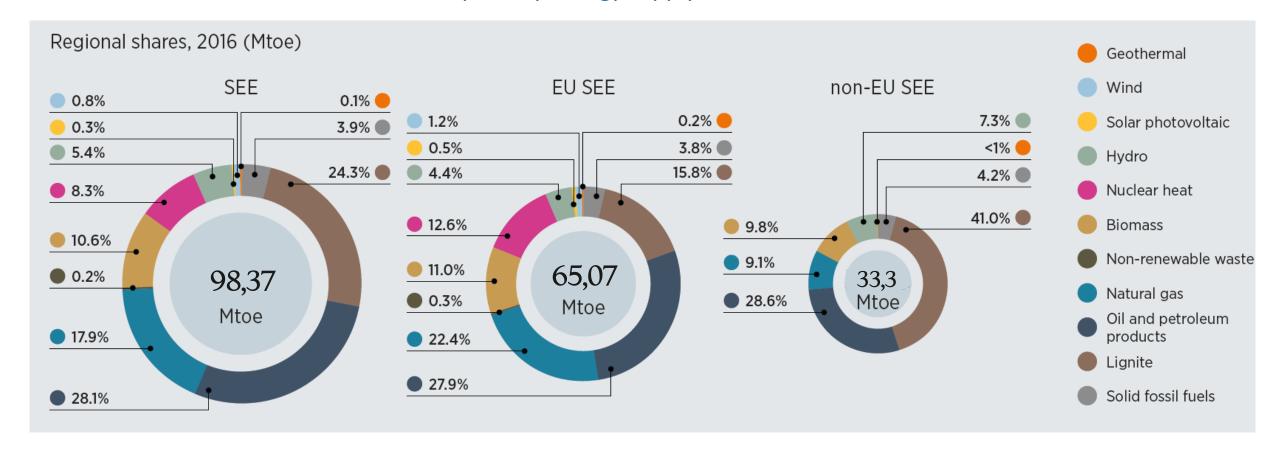
Preview from: "Renewable Energy Market Analysis: Southeast Europe"



## The energy sector reliance on fossil fuels



#### Total primary energy supply, 2016



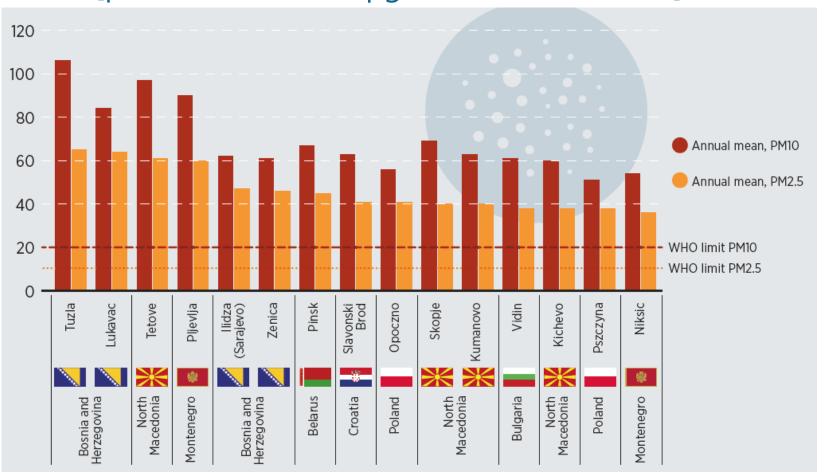


## Air pollution



#### **Top 15 European cities per air pollution**

[particulate matter µg/m3 - annual mean]







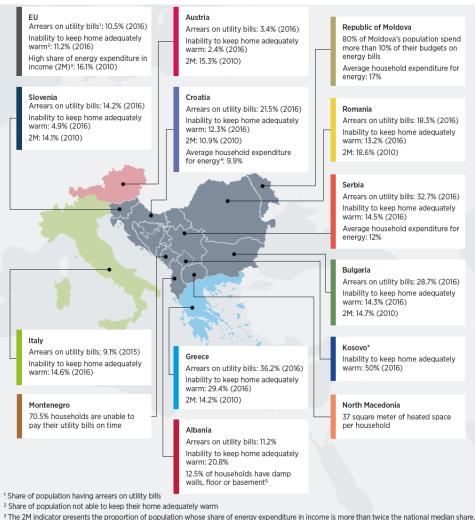
#### Share of households without access to clean cooking solution 2010-2016





### **Energy Poverty**





#### **Energy poverty in SEE**

- Arrears on utility bills ranging from 14,2% to more than 70% of the population, depending on jurisdiction.
  - 10% in EU, 3,4% in Austria
- Inability to keep the whole house adequately warm
- High energy expenditure shares on total expenditure
- Large use of traditional biomass

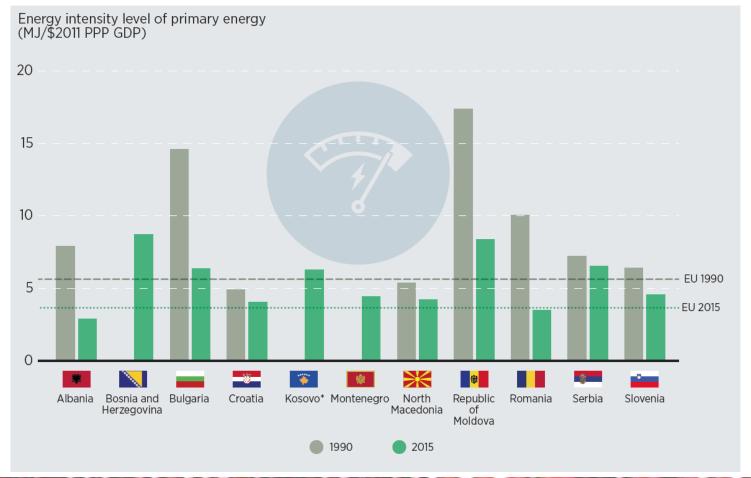


## Air pollution



#### **Energy intensity levels, SEE, 1990-2015**

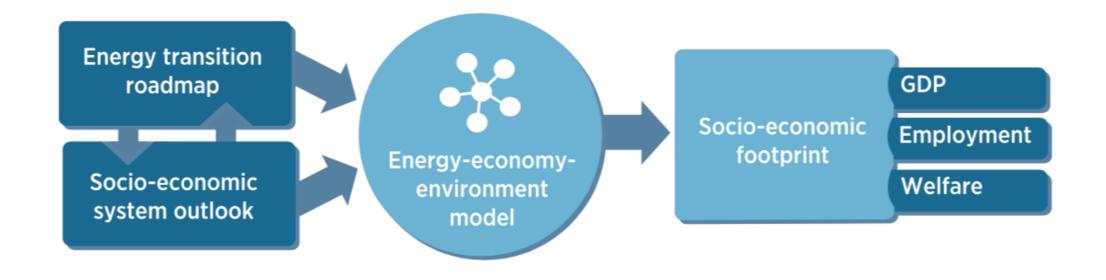
[MJ/USD PPP GDP]





## The energy transition and the socio-economic system



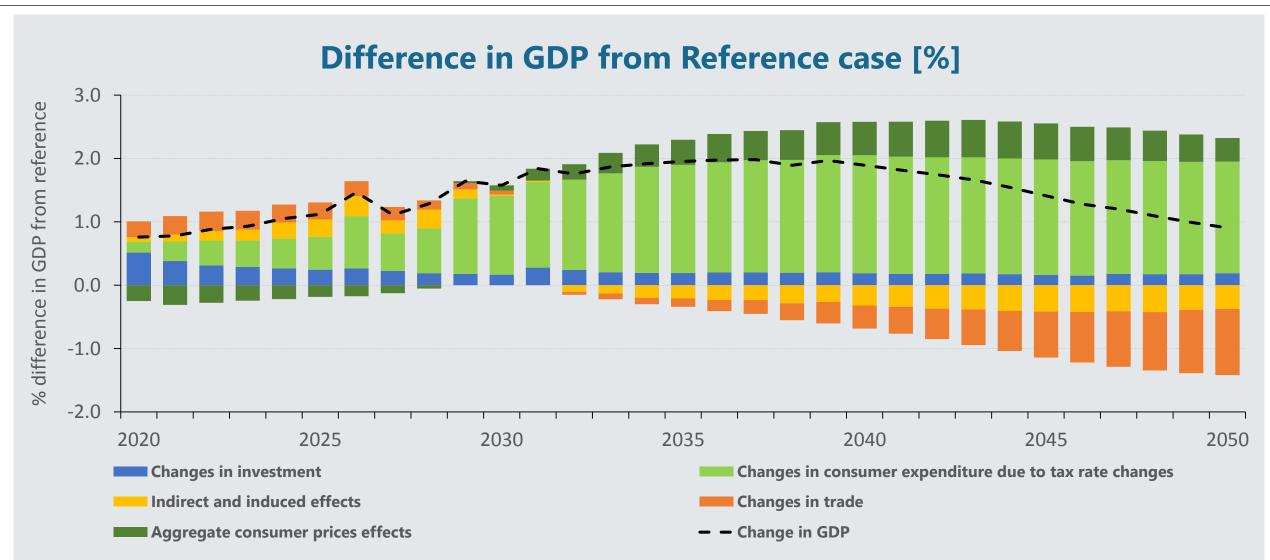


A complete transition includes both the energy transition and the socio-economic system transition, and their interlinkages.



## Socio-economic impact: GDP

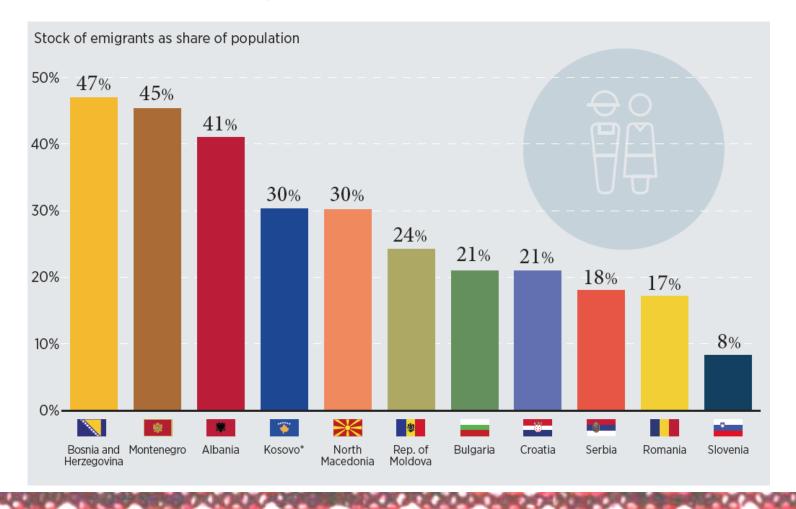








### Stock of emigrants as a share of population

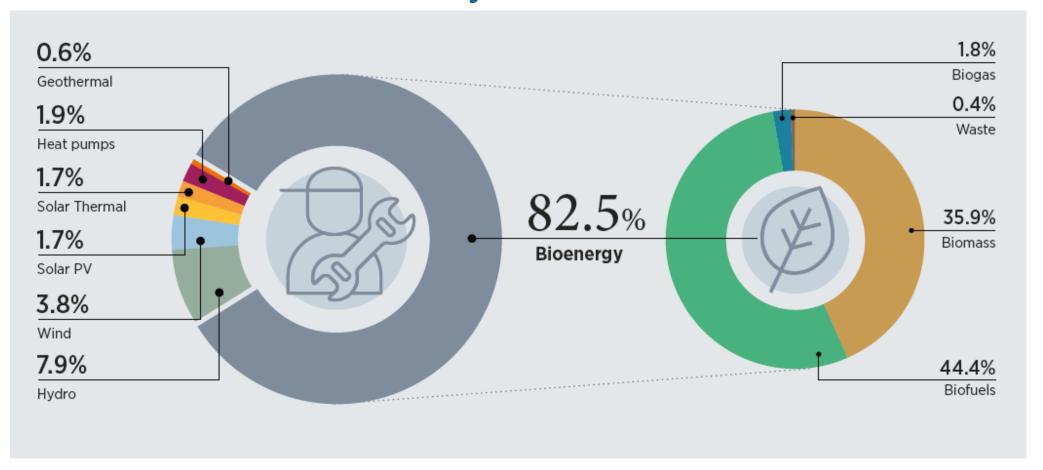




## Renewable energy employment



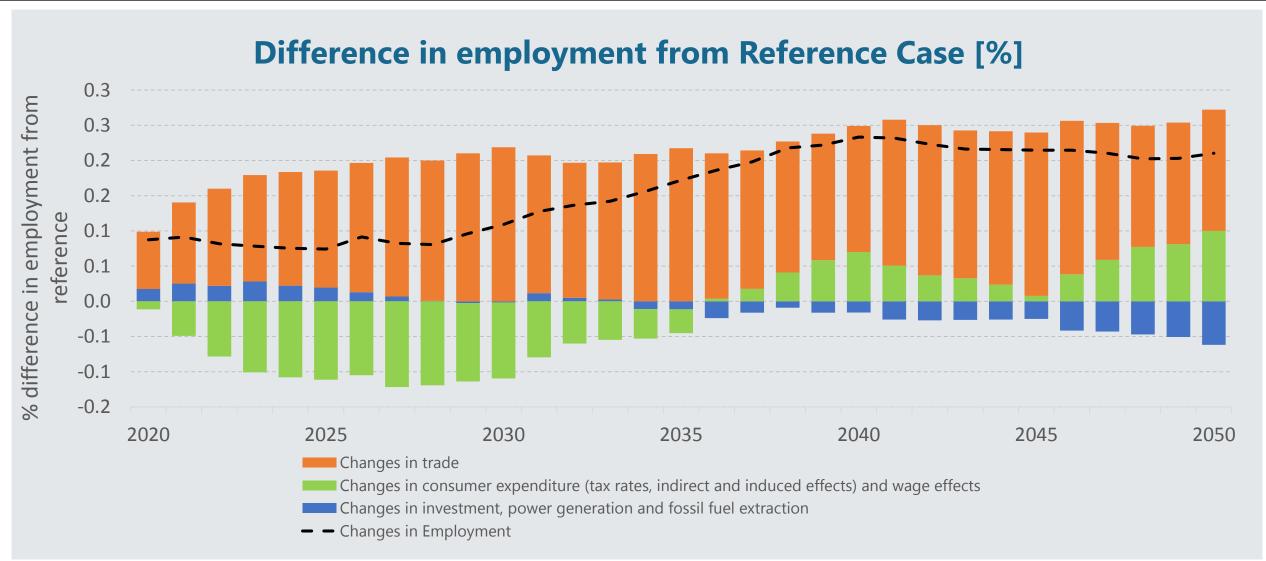
#### Share of direct and indirect jobs in the RES sector, EU-SEE, 2017





## Socio-economic impact: Jobs









Thank you for your attention