

# SOCIO-ECONOMIC IMPACTS OF RENEWABLE ENERGY 

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

Total primary energy supply, 2016


Top 15 European cities per air pollution
[particulate matter $\mu \mathrm{g} / \mathrm{m} 3$ - annual mean]


## Energy Poverty

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



[^0]${ }^{3}$ The 2 M indicator presents the proportion of population whose share of energy expenditure in income is more than twice the national median share. ${ }^{5}$ Dampness, windows rots or leaking roofs are identified as proxy indicators of energy poverty (EUEPO, 2018).

## 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

## Difference in GDP from Reference case [\%]



Stock of emigrants as a share of population


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


## Socio-economic impact: Jobs

## Difference in employment from Reference Case [\%]



International Renewable Energy Agency

Thank you for your attention


[^0]:    ${ }^{2}$ Share of population not able to keep their home adecuately warm

