

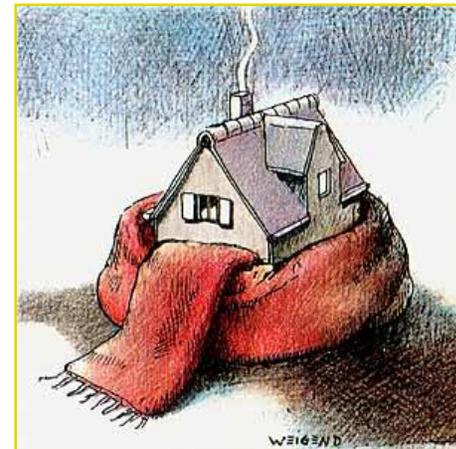
How an ambitious EU agenda for EE supports MSs

introductory remarks from an Eastern perspective

CENTER FOR CLIMATE CHANGE
AND SUSTAINABLE ENERGY POLICY



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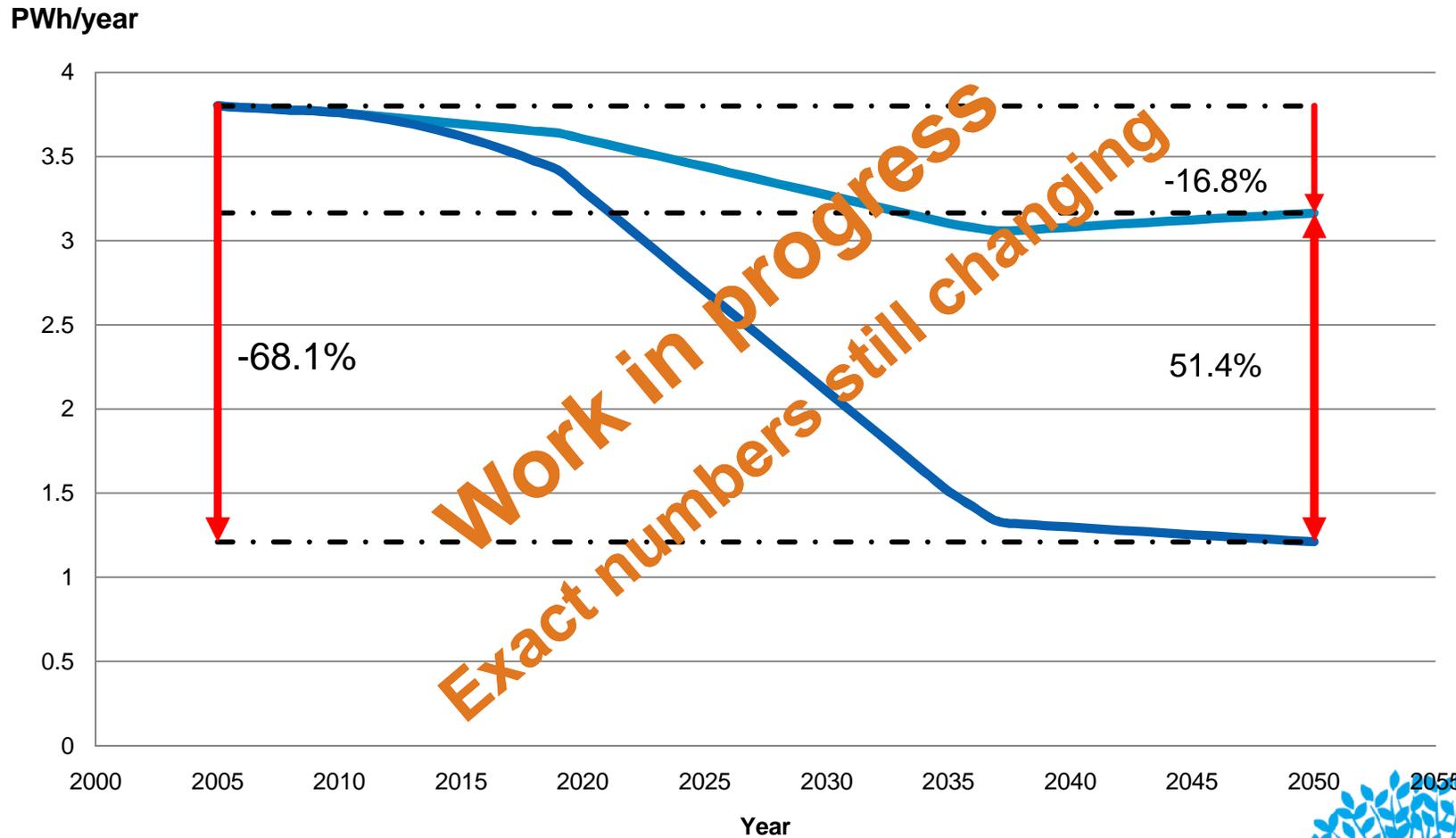
Diana Ürge-Vorsatz
director

EU Sustainable Energy Week, Opening session, introductory remarks
March 23, Brussels



The risk of the lock-in effect

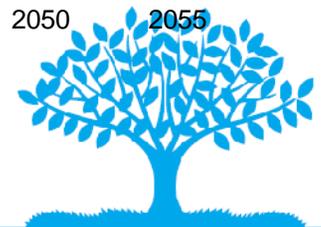
Final thermal energy consumption in Europe State-of-the-art vs. suboptimal renovation scenarios



— Sub-Optimal Scenario

— State of the Art

3CSEP





In many MSs, EE is not primarily a green, but a social and economic agenda

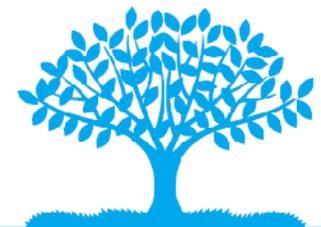
- ❖ Fuel poverty is widespread in CEE (Europe?)
- ❖ According to a new study, app. 2500 lives are lost in Hungary alone each year
- ❖ By the UK definition, the average Hungarian household is fuel poor (has spent 10.4% of its disposable income on energy in 2007, it probably worsened since then)
- ❖ 1.5 million Hungarians declared they could not afford to keep their homes sufficiently heated
- ❖ A widespread deep (!) building energy retrofit program can eliminate fuel poverty



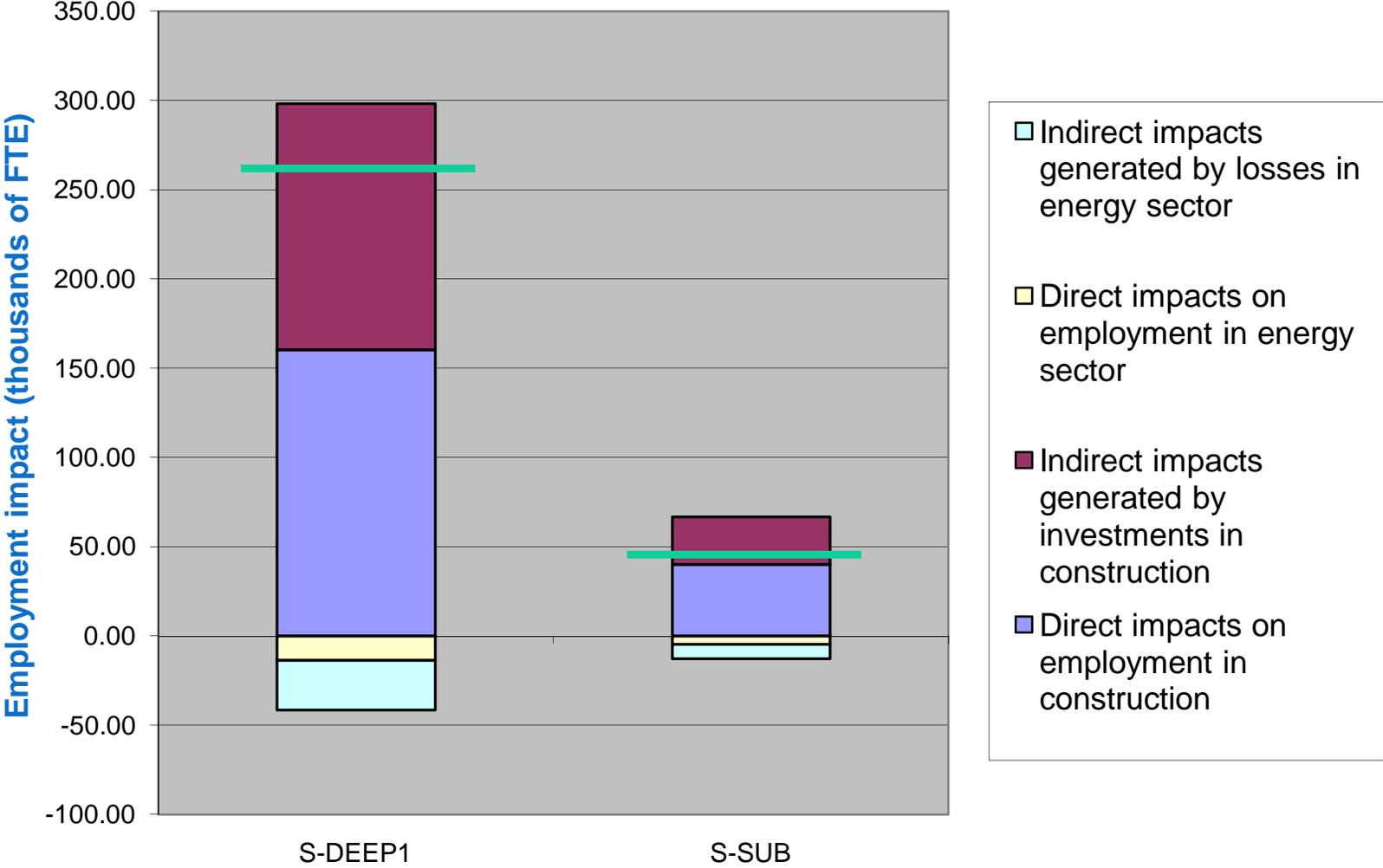
EE as an economic/social agenda: employment and other economic benefits



- ❖ In energy-efficient buildings:
 - ❑ labor **productivity** rises by app. 6–16%;
 - ❑ students' test scores shows ~20–26% faster learning
 - ❑ Influenza and cold rates can decrease by as much as 20%, resulting in a USD10 bln/yr savings in US alone
 - ❖ better indoor environments related with building EE save annually in the US \$6 -14 bill.(reduced respiratory disease); \$1 - 4 bill. (reduced allergies and asthma); \$10 - 30 bill. (reduced sick building syndrome); and \$20 - 160 bill. (direct improvements in worker performance unrelated to health)
- ❖ Employment: (local) job creation: Danish trade union study finds twice higher employment intensity than for other mitigation options
- ❖ a wide-scale renovation program can create app. 250,000 net jobs in Hu alone (vs. the “1 million” missing – as on political agendas)



Direct and indirect employment impacts of a deep and a suboptimal renovation scenario in Hungary *(induced effects not yet included)*



Thank you for your attention

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