

# ENERGY IN TRANSITION IN CENTRAL AND EASTERN EUROPE

## The challenge of energy vulnerability

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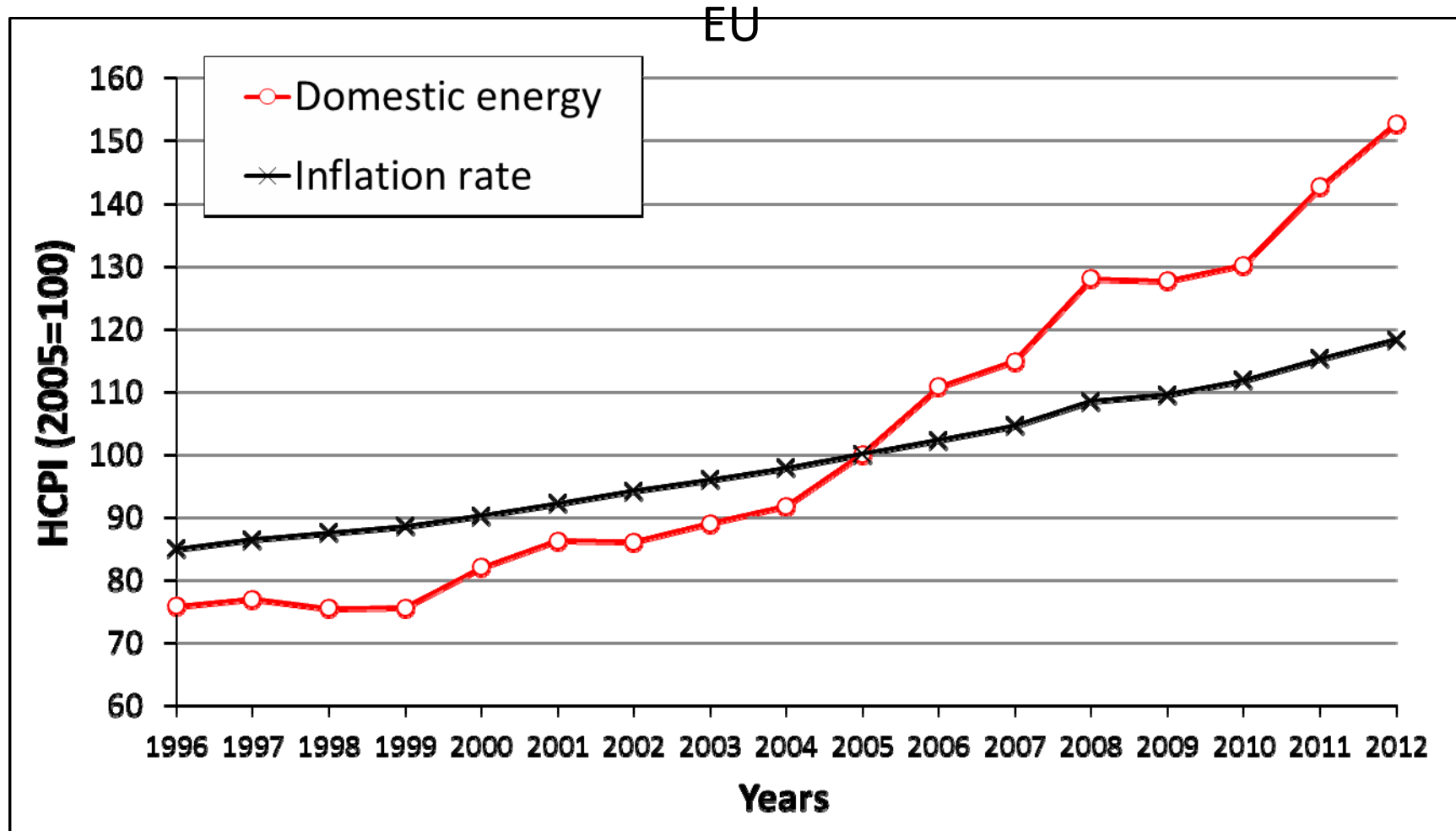


# Motivation

- **Post-socialist transition vs. multiple transformations in Central and Eastern Europe (CEE)** (Pavlínek 2003)
  - Unproblematic teleological **linear change** in the 1990s
    - Adoption of market and democratic institutions
  - Complex, contested change as an **on-going process**
    - Multiple transformations, path dependencies, hybrid realities
- **Energy deprivation as an on-going challenge in CEE**
  - CEE: 15% population **unable to keep home adequately warm** (16 M ppl) vs. 10% in rest of the EU (33 M ppl)
- **Transition to a EU low-carbon competitive economy**
  - Roadmap 2050: 80% reduction of 1990 GHG emission levels
  - Further **internalisation of external costs** of energy use

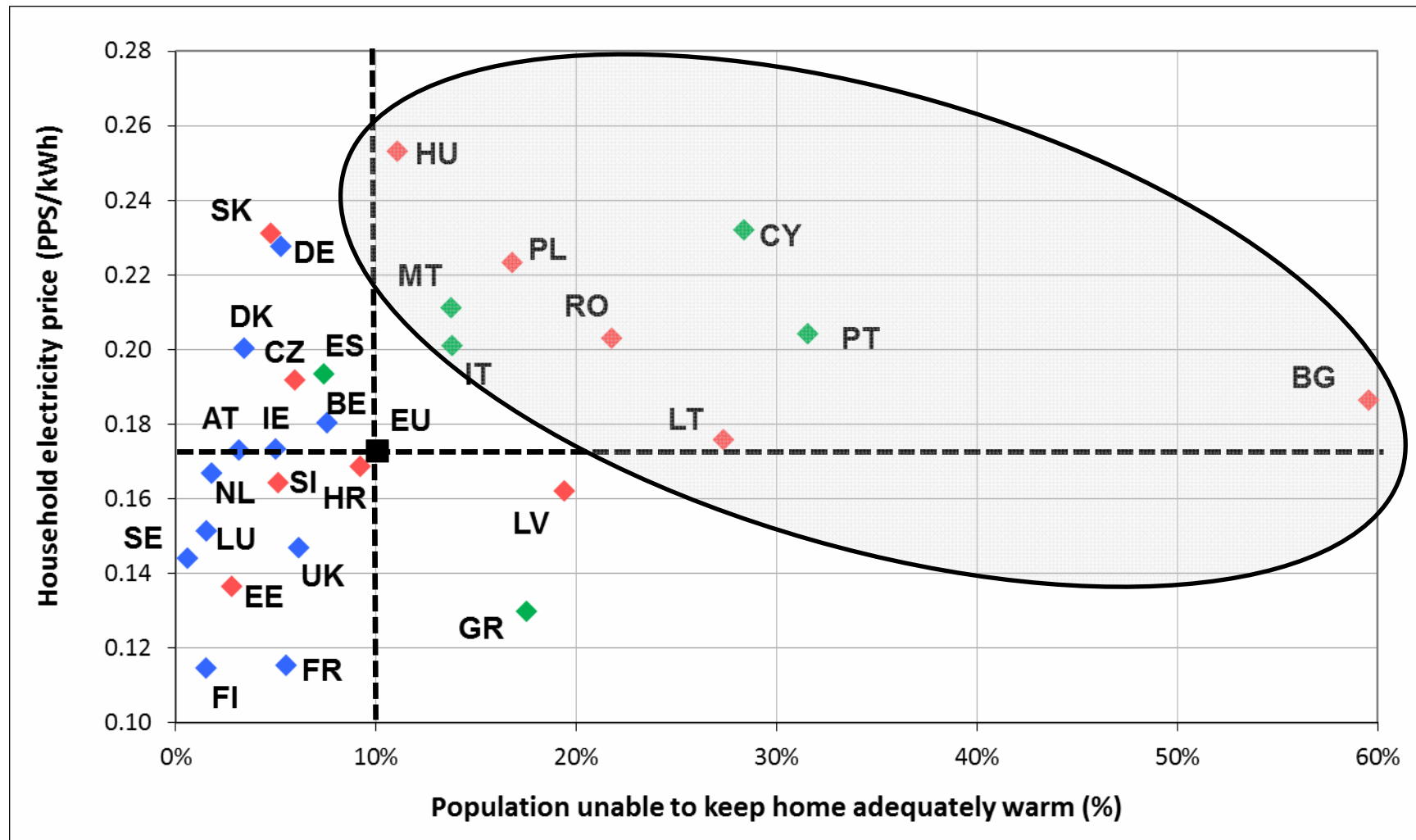
# Challenges and barriers (1)

Inflation rate vs. rate of increase domestic energy costs in the



# Challenges and barriers (2)

Electricity price vs. pop. unable to keep home adequately warm



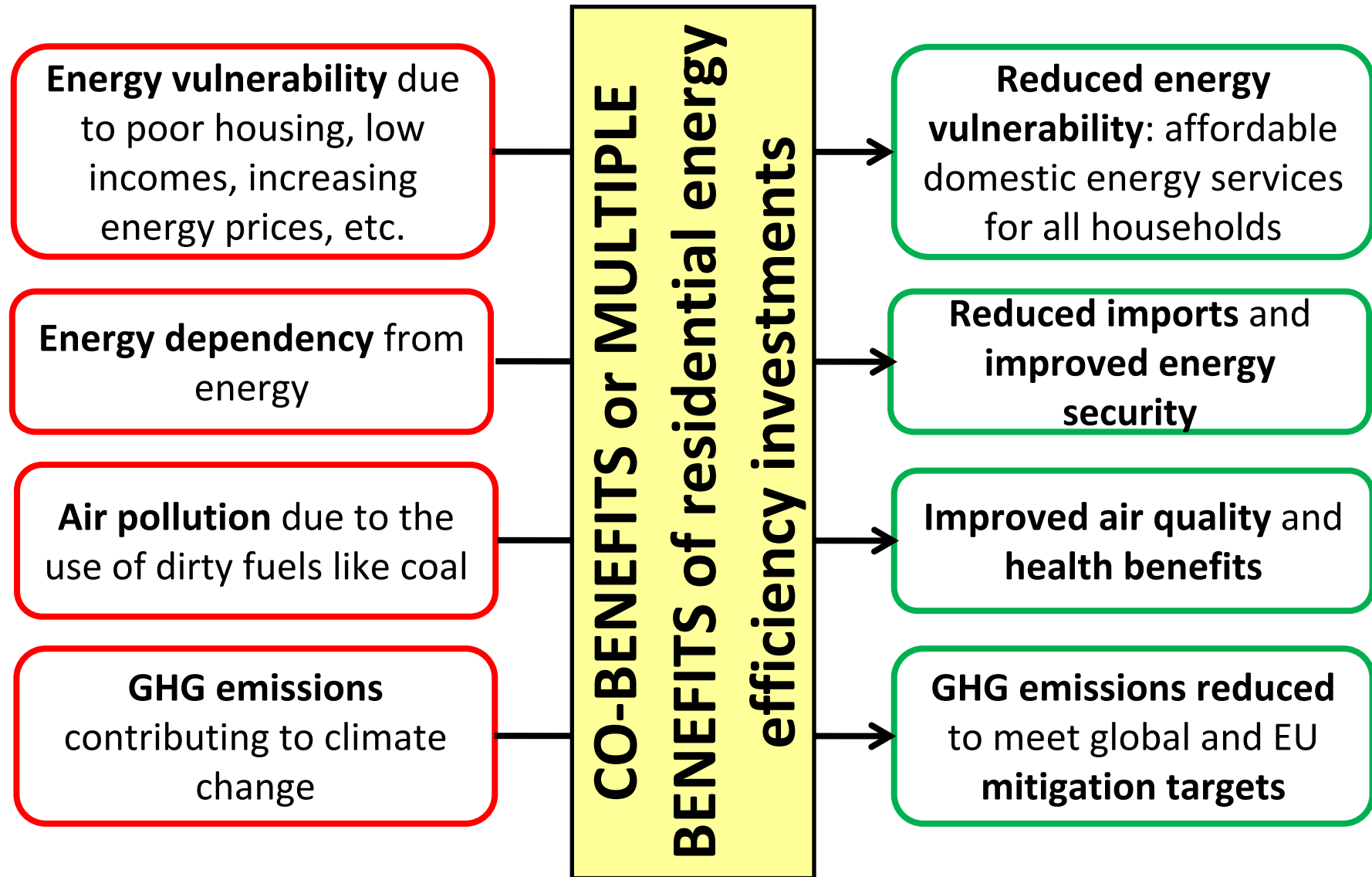
# Challenges and barriers (3)

- From **fuel/energy poverty** to **energy vulnerability**
  - “Propensity of a household to suffer from a lack of adequate energy services in the home” (Bouzarovski 2013)
  - **Dynamic nature** and **multiple scales**
  - “Fuel poverty as **injustice**”: distribution, recognition and procedure (Walker and Day, 2012)
- From **endurance** (coping strategies)..
  - e.g., using firewood
- ...to **resistance**
  - Bulgaria protests Jan-Feb 2013



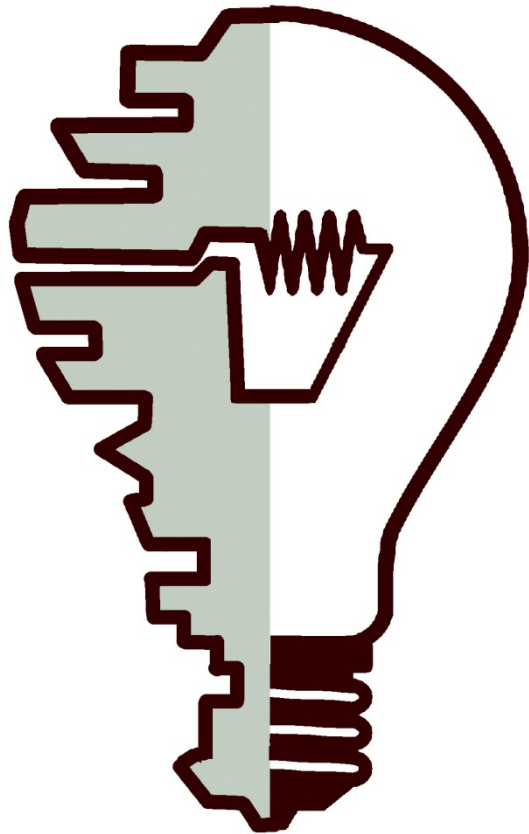
Source: <http://www.presstv.ir/>

# Opportunities



# Proposals

- Large-scale **re-organisation of energy supply and demand**
  - **Linear transition** to a low-carbon economy...
  - ...or **complex, contested transformation?**
- **Impact** of the transition to a low-carbon economy in terms of **domestic energy affordability?**
  - Germany's *Energiewende* (Neuhoff et al., 2013)
  - Can CEE Member States **meet climate targets** and secure the provision of **affordable domestic energy?**
    - Residential energy efficiency as a **multi-objective policy**
  - Risk of the transition to a low-carbon economy being **perceived as socially unjust**



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**THANK YOU for  
your attention**

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