

People, Places or Houses? A Decomposition of Households' Carbon Emissions in the UK

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Abstract:

Understanding the determinants of households' greenhouse gases (GHG) emissions is key to designing successful decarbonization policies. We examine the role of household, house, and place in explaining household GHG emissions from transport and energy in the UK. Using detailed household panel data on housing characteristics enables us to speak to the determinants of both household and place effects and investigate the effects of different policy scenarios (e.g., revenue recycling from carbon taxes). We exploit the panel dimension of our data using a “mover design” approach to disentangle contextual factors, such as place-based drivers of emissions and house characteristics, from household-level determinants.