* **dataset title:**Dataset associated with "Energy use and needs of disabled people in the EU: towards inclusion in the energy transition"
* **creator (s):**Diana Ivanova (<https://orcid.org/0000-0002-3890-481X>), Lucie Middlemiss (<https://orcid.org/0000-0001-5185-2033>)
* **corresponding article:** “Energy use and needs of disabled people in the EU: towards inclusion in the energy transition”, Ivanova and Middlemiss (2021), published in *Nature Energy*
* **academic subject:** interdisciplinary: industrial ecology, economics, sociology, earth science, social work
* **institutional division:**Sustainability Research Institute, School of Earth and Environment, University of Leeds
* **funder (s) and grant number:**
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* **date:** The data has been made available in August 2021
* **dataset description (abstract)**

This dataset contains household-level energy footprint (energy use) calculations based on consumption data from the Household Budget Surveys (HBS) disseminated by Eurostat, wave 2010. The dataset contains energy footprints (total and by consumption category) and categorical variables on poverty, energy poverty and disability, all of which generated by the authors. The dataset also contains household IDs, country codes and household weights generated by Eurostat and corresponding to the HBSs. The household and country ID variables are included in order to allow for households to be identifiable by users of the HBS dataset disseminated by Eurostat. For access to other variables in the HBSs (e.g. household size, income, population density etc.), which have been used in the statistical analysis, please seek microdata access through the official Eurostat portal.

* **variable description**
  + HA04 – Household ID variable generated by the Eurostat – contains unique household identifier by country
  + COUNTRY – Country code names as generated by the Eurostat
  + HA10 - Household weight variable generated by the Eurostat
  + euweight -  Household weight variable considering the total European population (used in the total Europe analysis)
  + dis\_econ\_act - Categorical variable on disability, other inactivity and economic activity
  + ef\_cap – Energy footprint for an average household member generated by the authors in terajoules (TJ/cap).
  + ef\_cap\_\* – Energy footprint by consumption category in TJ/cap, where \* stands for the consumption categories of Food; Tobacco; Health, insurance, social work and recreation; Gas, liquid and solid fuels; Electricity; Motor fuels; Public, sea and air transport; Actual and imputed rent; Waste and water services; Machinery, equipment and communications; Hotel and restaurants; Other consumption;
  + below\_poverty\_inc - Dummy variable: (1) in risk of poverty, (0) otherwise
  + no\_below\_poverty\_inc - Dummy variable: (1) not in risk of poverty, (0) otherwise
  + fuel\_poverty - Dummy variable: (1) in risk of energy poverty, (0) otherwise
  + no\_fuel\_poverty - Dummy variable: (1) not in risk of energy poverty, (0) otherwise
  + fuel\_poverty\_disability - Categorical variable on disability and energy poverty

* **software:**

Two data formats are available: A Comma Separated Values (CSV) and Stata format (DAT). The Stata format can be used directly in Stata, while the CSV format will be more appropriate for other software.

* **procedure**

We calculated annual energy footprints per capita (average member of the household), utilizing the multiregional input-output database EXIOBASE (version 3.7). Annual energy use was calculated using the net energy extension measures in terajoules (TJ). There is no double counting with regards to the conversion from primary sources (derived directly from nature, e.g., coal) into secondary sources (transformed for a certain industry or household use, e.g., electricity).  For more details about the author-generated variables, please see the corresponding article and the associated codes and background files.