Energy Poverty Monitor

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1. Demand
- European obligations and additional statistical demand from users in practice, policymaking and science.

2. Preparation
- Which data do we need?
- Which data do we have?
- What data are missing?
- Which sources can we draw on?
- Prepare surveys

3. Data collection
- Collect the necessary resources (registers, big data and possibly surveys)
- Technical checks
- Anonymisation of survey responses

4. Analysis and modification
- Correct errors
- Calculate missing data
- Increase sample data to the required data population size

5. Statistical security
- Check to prevent disclosure of individual information
- Merge or suppress cells for data publication with software developed by CBS

6. Publication
- A variety of channels (including Statline, website, social media)
- A variety of forms (including animation, press conference, article, video message or report)
Background Energy Poverty Monitor

– Cause and motivation
  - Obligated by the European Commission to monitor energy poverty
  - The Ministry of Economic Affairs and Climate Policy has asked CBS and TNO to provide an up-to-date assessment of energy poverty at national and local level
Background Energy Poverty Monitor

- Process
  - Working group of experts
  - Building on what is already there
  - Q4 2022: Monitor Energy Poverty 2019 & 2020 and a nowcast of the current situation in 2022 by TNO in collaboration with CBS due to the extreme energy price development
Energy poverty: A lack of access to (affordable) energy facilities at home (TNO, 2020)

- **HEq**
  - High energy quote

- **LIHE**
  - Low income
  - High energy costs

- **LILEK**
  - Low income
  - Low energetic quality of the home

- **LEKWI**
  - Low energetic quality of the home
  - Little (financial) opportunity to improve the sustainability of the home
Results

To get an idea of (the extent of) the tabulated data as provided...
Households with Energy Poverty according to the indicators

Totaal indicatoren
LEKWI
LILEK
HEQ
LIHE

% particuliere huishoudens

1 indicator
2 indicators
3 indicators
4 indicators

2019 2020
## Results

<table>
<thead>
<tr>
<th>Period</th>
<th>Background characteristics, categories</th>
<th>Number of households (x 1000)</th>
<th>Energy Poverty HEq (%)</th>
<th>Energy Poverty LIHE (%)</th>
<th>Energy Poverty LILEK (%)</th>
<th>Energy Poverty LEKWI (%)</th>
<th>Energy Poverty LIHE and/or LILEK (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020</td>
<td>Total</td>
<td>7 037,4</td>
<td>4,0</td>
<td>3,2</td>
<td>5,0</td>
<td>17,6</td>
<td>6,4</td>
</tr>
<tr>
<td>2020</td>
<td>Household composition One person household</td>
<td>2 353,7</td>
<td>7,9</td>
<td>6,6</td>
<td>8,2</td>
<td>22,4</td>
<td>11,3</td>
</tr>
<tr>
<td>2020</td>
<td>Household composition Couple without children</td>
<td>2 174,7</td>
<td>2,1</td>
<td>1,4</td>
<td>2,9</td>
<td>14,2</td>
<td>3,3</td>
</tr>
<tr>
<td>2020</td>
<td>Household composition Couple with children</td>
<td>1 949,9</td>
<td>0,8</td>
<td>0,6</td>
<td>2,4</td>
<td>13,6</td>
<td>2,5</td>
</tr>
<tr>
<td>2020</td>
<td>Household composition One parent household</td>
<td>531,8</td>
<td>6,9</td>
<td>5,2</td>
<td>9,6</td>
<td>24,2</td>
<td>11,9</td>
</tr>
<tr>
<td>2020</td>
<td>Household composition Other</td>
<td>27,2</td>
<td>2,9</td>
<td>2,2</td>
<td>6,2</td>
<td>33,8</td>
<td>6,6</td>
</tr>
</tbody>
</table>
Documentation of the dataset and variables that are made available to external researchers
Further development and follow-up

- More accurate data on the prices of energy contracts
- Refinement and expansion of the indicators
- Further explore the situation of specific households
- Yearly update
- Ongoing joint collaboration with TNO to produce insights into the actual state of Energy Poverty and to highlight and elaborate on specific aspects of Energy Poverty
Facts that matter
Relevant links

– CBS and TNO map household energy poverty
– Preventing energy poverty | TNO