



Gathering evidence on solid biofuels use in Focus countries

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What do we mean by solid biofuels?

- Fuelwood, wood residues and by products
- Bagasse
- Animal waste
- Black liquor
- Other vegetal material and residues
- Charcoal

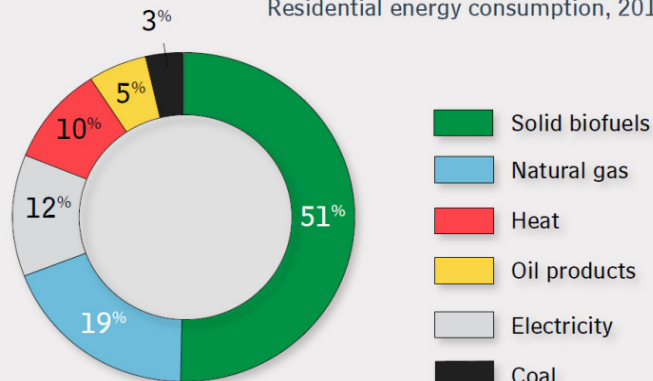
Sources:

- *United Nations, International Recommendations for Energy Statistics (IRES)*
- *United Nations, Standard International Energy Product Classification (SIEC)*

Myth 1: Solid biofuels use is marginal in focus countries

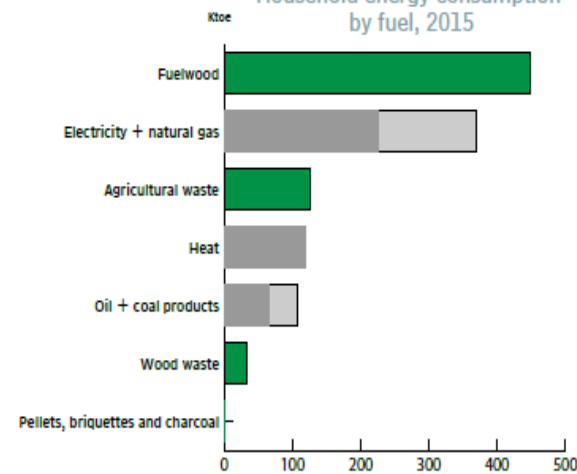
RESIDENTIAL ENERGY MIX

Residential energy consumption, 2015



In Moldova, solid biofuels are the main energy source for households.

Household energy consumption by fuel, 2015



Survey evidence: Households are using solid biofuels!

Sources:

- National Bureau of Statistics of the Republic of Moldova, 2016. Energy consumption in households and direct communication.
- National Statistics Office of Georgia, 2017. Energy consumption in households. Survey carried from May 2016 to May 2017.
- National Statistical Committee of the Republic of Belarus, 2016. Energy consumption in households in the Republic of Belarus, Survey carried in 2015.

Myth 2: Solid biofuels are a free energy source

BUDGET SPENT ON SOLID BIOFUELS

100 MILLION EUROS

Households in Moldova spent more than 2300 million lei on fuelwood between April 2015 and April 2016. That represents more than 100 million euros in one year.



Survey evidence: There is a commercial market for solid biofuels


Sources:


- National Bureau of Statistics of the Republic of Moldova, 2016. Energy consumption in households and direct communication.
- National Statistics Office of Georgia, 2017. Energy consumption in households. Survey carried from May 2016 to May 2017. 110 billion GEL.


Myth 3: Solid biofuels are used only for heating

Republic of Moldova

Use of solid biofuels in households, 2015

90% 

8% 

2% 

- In Belarus
7% of fuelwood used by households is for water heating, 0.1% for cooking
- In Georgia
25% of households use fuelwood and agricultural waste for cooking at the cooker.

Some households are still relying on solid biofuels for cooking

Sources:

- National Bureau of Statistics of the Republic of Moldova, 2016. *Energy consumption in households and direct communication.*
- National Statistics Office of Georgia, 2017. *Energy consumption in households. Survey carried from May 2016 to May 2017.*
- National Statistical Committee of the Republic of Belarus, 2016. *Energy consumption in households in the Republic of Belarus, Survey carried in 2015*

- Use of solid biofuels (fuelwood, agricultural wastes...) is a reality in focus countries
- Solid biofuels are not just collected in the forest. There is a commercial market for solid biofuels
- Most of the solid biofuels are used for heating, but also to an extent for water heating and cooking

**Surveys are crucial to get this information
Take it into account in energy strategies**

