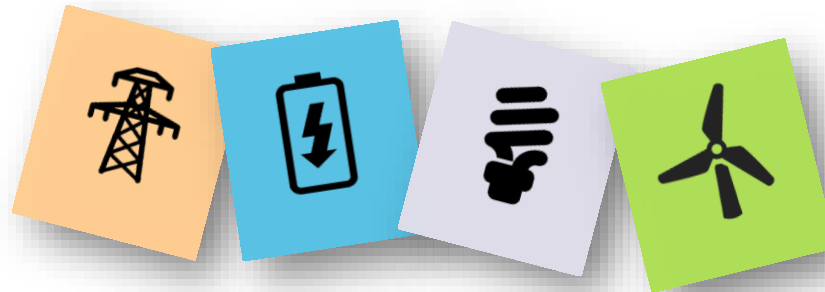


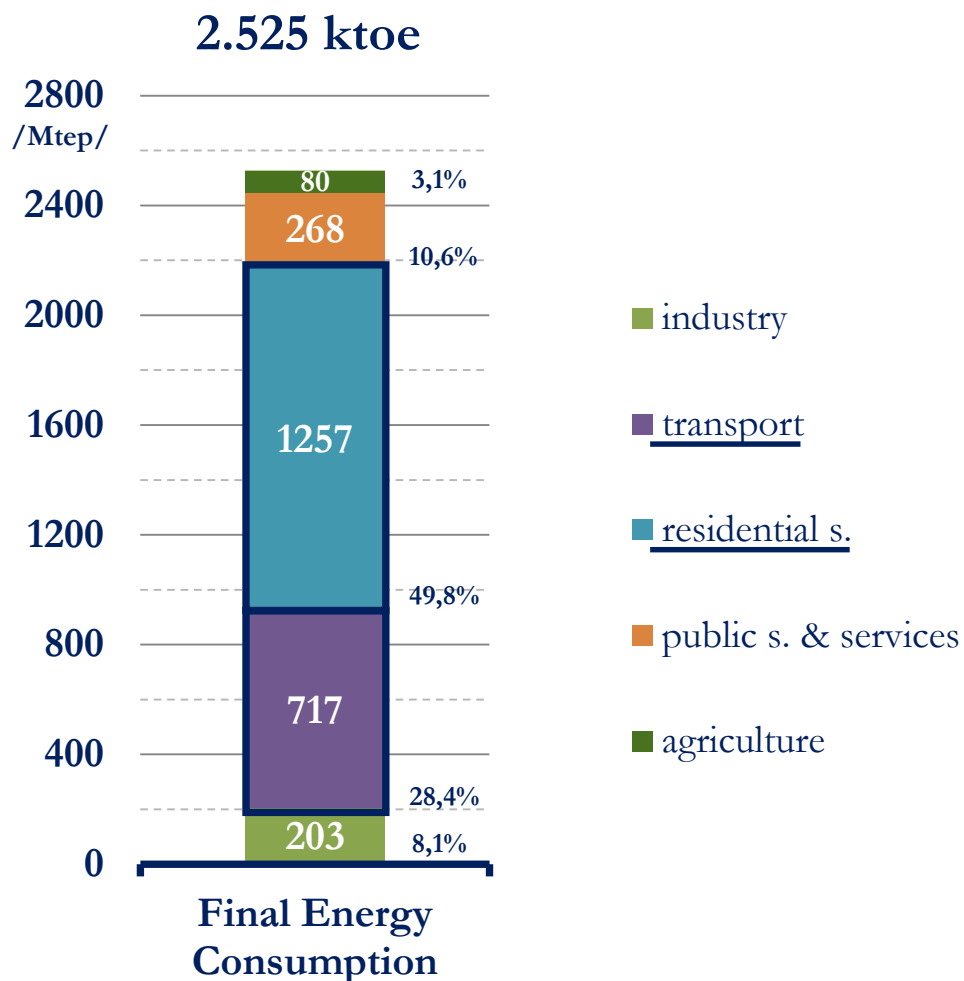
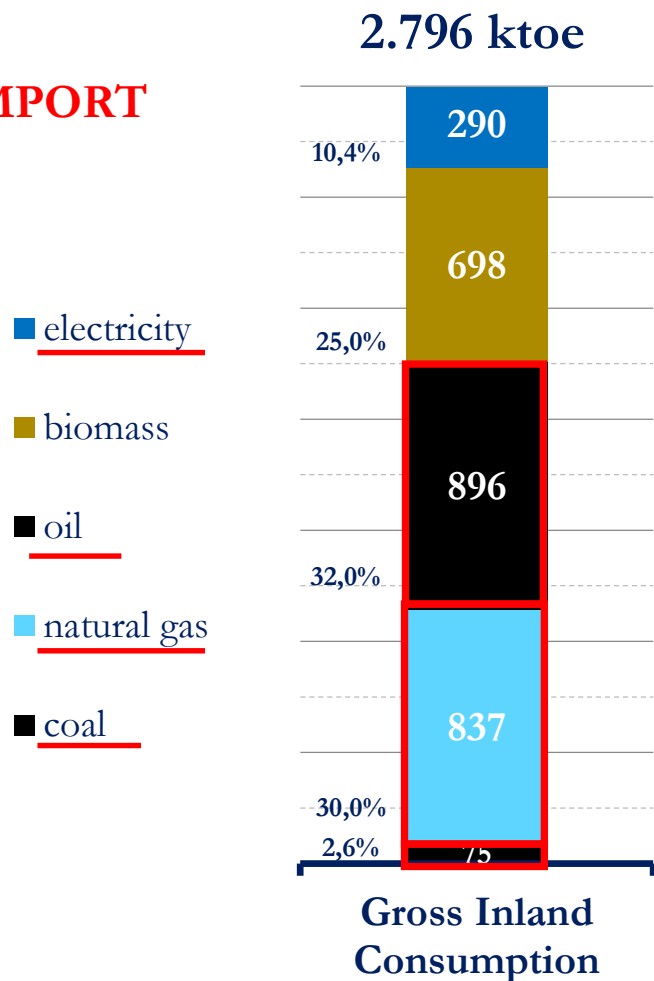
The experience of expanding the use of modern biomass in Republic of Moldova



KEY ENERGY FIGURES

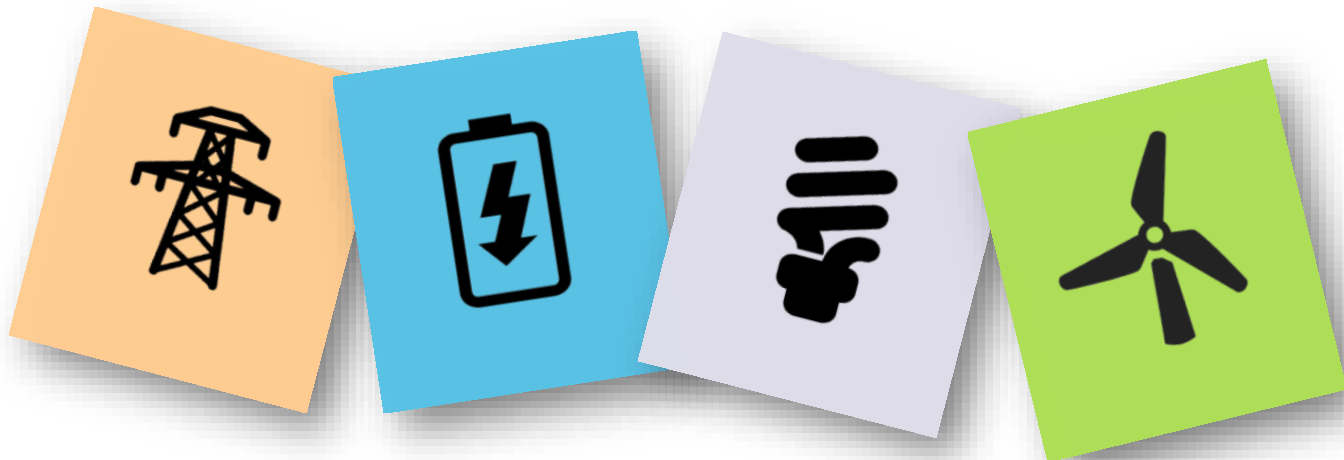
ENERGY CONSUMPTION BREAKDOWN /2016 y./

 - IMPORT



BIOMASS USE

SUPPORTING MECHANISMS



Biomass market supporting mechanisms

production and use of biomass for H&C-RES

Undertaken ”FISCAL /FINANCIAL” activities:

- reduced VAT rate from 20% to 8% for the biomass raw material, solid biofuels and heat produced from biomass
- use of Public Private Partnership model aiming at establishing a public heating service based on solid biomass resources
- use of ”soft loans” financial tool for supporting the local biomass industry



Biomass market supporting mechanisms

production and use of biomass for H&C-RES

Undertaken ”TECHNICAL” activities:

- co-financing, institutionalizing and accreditation of a solid biofuels testing laboratory
- installation of heat meters in public institutions heated by solid biomass
- „Aggressive” promotion of the biomass / solid biomass use and high-efficiency technologies



Regulation on solid biofuels

main provisions



- Incorporates 37 European standards on solid biofuels which were adopted by national authorities;
- Defines 12 types of solid biofuels;
- Establishes 12 quality criteria for all types of biofuels – physical and chemical properties
- Assigns the Agency for Consumers Rights Protection and Market Surveillance as the state body responsible for the sector

Moldova
Energy and Biomass Project



Guvernul Republicii Moldova
**Ministerul Economiei și
Infrastructurii**



2 phases (2011-2014 & 2015-2017)

implemented by UNDP with budget 23.97 MEUR
(23.41M by EU)

Contribute to a more secure, competitive and sustainable energy production out of biomass, the most viable and readily available local source of renewable energy in the Republic of Moldova

ENERGY AND BIOMASS PROJECT

MAIN PROJECT COMPONENTS



4 Well Thought Components:

- Generate demand
- Create offer
- Develop capacities & Educate
- Communicate & Change



ENERGY AND BIOMASS PROJECT

„GENERATE DEMAND” COMPONENT



Public institutions switched to green energy:

- 249 schools, kindergartens, community centers, hospitals have modern biomass heating systems
- 48 Solar Hot Water Systems installed in kindergartens and hospitals
- 194, 000 persons benefit from securely supplied and locally produced energy
- Over 600 new jobs established in communities: biomass boilers operators, teachers
- 40.000 tons of CO2 emissions annually reduced
- Investments: > 13 million EUR, EU funds

ENERGY AND BIOMASS PROJECT

„GENERATE DEMAND” COMPONENT



Households and microenterprises switched to green energy:

- Over 1000 families and microenterprises heat their premises with green energy thanks to the subsidy program
- Subsidies up to 1.300 EUR from EU funds

ENERGY AND BIOMASS PROJECT

„CREATE OFFER” COMPONENT



Biomass boilers production:

- 30 national companies locally assemble or manufacture biomass boilers;
- 150 new jobs created
- 150 people trained to assemble biomass boilers;

Biofuel production:

- 35 biofuel production businesses launched
- 100 new jobs created with direct project support
- Leasing mechanism: 1 MEUR (0% VAT, profit, commission)
- Other new 70 biofuel production businesses launched independently

Biofuel quality:

- First testing laboratory for physical and chemical parameters of biofuels received
- Quality standards developed for biofuels

ENERGY AND BIOMASS PROJECT

„CREATE OFFER” COMPONENT



Public Private Partnerships for the provision of bioenergy services:

- Piloted in 1 district & extended in other 2
- Maintenance, storage, operation costs covered by the private partner
- Local authorities pay only for supplied energy

ENERGY AND BIOMASS PROJECT

„CAPACITY DEVELOPMENT” COMPONENT



Trainings:

- 9.000 project beneficiaries trained (local public authorities, mayors, managers of institutions, operators, entrepreneurs)
- First training center for biomass boiler operators opened
- Biomass Boilers Operators & Foresters specialized in energy plants: new course launched in vocational schools

THANK YOU!

HOW TO MAKE A CHANGE IN 7 YEARS?



- Legal framework improvement (incl. quality standards);
- Better quality supervision and control on the market;
- Provision of financial, fiscal and other incentives (by case);
- Behavior change communication, not only information;
- Video, printed, web, social media communication, public events;
- Local green energy ambassadors;
- Media trainings & media tours;