

## Promotion of Sustainable Development Strategies in the Renewable Energy Technologies Sector through Piloting of Demonstration Projects Based on Usage of Solar Energy and Agricultural Wastes

**Duration:** 02.02.2010 - 31.12.2013

**Countries:**  
Moldova

**Total budget:** € 1 500 000

**Implementer:**  
Moldova Social Investment Fund (MSIF)



### Project description:

The main project's objective is to overcome barriers in the use of solar and biomass energy production technologies by providing examples of best practice as a viable alternative to gas and coal and as a sustainable way of Environment Protection and addressing energy supply problems in rural communities.

### Expected results:

There were installed cumulatively 173 solar panel collectors (with 30 vacuum tubes each) at 39 public facilities.

Overview SWHS installed (annual values):

- Collectors area - 718 m<sup>2</sup> (173 solar panels);
- Boiler capacity – 27,5 tons;
- Total annual field yield – 484 088 kWh;
- Max. fuel savings – 16 440 m<sup>3</sup>/year (gas);
- Max. energy savings – 382 294 kWh/year;
- Max. reduction in CO<sub>2</sub> emissions tons/year = 124,5 tons/year.

There were installed 39 BBP of which:

- 32 facilities were equipped with prefabricated turn-key Modular Biomass Boiler plants and;
- 7 facilities were equipped with Biomass Boilers systems, incorporated in the existing boiler rooms;
- each facility was equipped with 2 biomass-burning boilers.