

## Lowering Greenhouse Gas Emissions through Energy Efficiency

On UN Day, 24 October, around 100 energy efficiency stakeholders assembled to discuss 'results and lessons learned' from the three-year UNDP/GEF project "Capacity Building for GHG Emissions Reduction through Energy Efficiency in Romania".



Event speakers: Mr. Ioan-Silviu Lefter, President ARCE, Ms. Soknan Han Jung, UN Resident Coordinator/ UNDP Resident Representative, Mr. Mark Velody UNDP/GEF Project Manager.

During the last three years, 68 Romanian local authorities, local utilities and private companies benefited from the UNDP/GEF Project, which demonstrated the economic, environmental and social benefits for a wide range of energy efficiency investments.

So far, 34 investments with a combined value of almost US\$70 million are going ahead, in areas such as efficiency improvements at schools and kindergartens, boiler and burner replacement, energy-efficient water pumps and public lighting, installation of metering and controls, combined heat and power plants, biomass-fired industrial boilers, solar pre-heating of water for district heating and many other environmentally friendly investments.

Opening the event, Ms. Soknan Han Jung, UNDP Resident Representative/UN Resident Coordinator said "The UNDP/GEF team and our governmental partner the Romanian Agency for Energy Conservation (ARCE) have successfully demonstrated that well-designed energy-efficient investments can bring economic, social and environmental benefits at the same time."

Mark Velody, the UNDP/GEF Project Manager introduced a 'Results and Lessons Learned' report, which contains:

- Tips for converting energy efficiency investment proposals into real investments;
- How to hire the right consultants to prepare the right studies, at the right cost;
- Technical and economic features of ten popular energy efficiency investments;
- Special considerations for municipal energy efficiency investors;
- Banking, finance and economics training - all you really need to know about money;
- Case studies - with real examples of successful energy efficiency investments in public lighting, buildings, community heating, water utilities, apartment blocks, industries, renewables and combined heat and power.

The report may be downloaded from the websites of UNDP Romania or ARCE.

### An Energy-Efficient Private Sector



Arrival of a combined heat and power plant for bearings manufacturer Rulmenti Barlad. UNDP GEF financed the Feasibility Study for this 17.5 million energy efficiency investment.

### Towards an Energy-Efficient Housing Sector



A UNDP GEF and ARCE poster campaign demonstrated energy savings opportunities in apartment buildings

Mr. Cristian Tantareanu, a well known Romanian local consultant, presented the findings of three independent experts who had evaluated the impact of the UNDP/GEF project on CO<sub>2</sub> emissions. The Evaluators concluded that investments now in-place and working are already saving 54,000 tonnes of CO<sub>2</sub> per year, and that when investments that are in-progress are complete, this figure will rise to 131,000 tonnes of CO<sub>2</sub> per year.

For more information about UNDP Romania and the work of the UNDP GEF Energy Efficiency Financing Team and the Romanian Agency for Energy Conservation, please visit:

[www.undp.ro](http://www.undp.ro); [www.energie.undp.ro](http://www.energie.undp.ro); [www.arceonline.ro](http://www.arceonline.ro)