

International Brokerage Event
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Institute of Power Engineering of ASM

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Description of the Organization



Short information about organisation

- The Institute of Power Engineering of the Academy of Sciences of Moldova is the main research body with engineering and technology profile in energy domain in the country. It was created in the 1955.
- The activity was focused on following issues: solutions to the problems connected to the establishment of the energy system on national scale, as electrification of the agrarian and industrial sectors with balanced use of renewable energy sources available in the country: wind, solar, geothermal, biomass and of irrigation systems.
- Actually, the staff of the institute performs research in the frame of two states programs, two bilateral projects and offers advisory support to state bodies in the sense of elaboration and promotion of up to date energy policies.

Description of the Organization



Previous EU Project experiences:

- Bilateral international project. Code. 10.820.06.15UA. The conversion of solar radiation into electrical energy based on photovoltaic transducers (batteries).
- International Project STCU. Code. 11.820.06.09. STCU.A / 5388. The development, manufacture and testing of sample transformer of quick regulation of phase shift by means of thyristors.
- International Project. PROMITHEAS-4. FP7. Nr. Knowledge transfer and Research Needs 265182. Preparing for mitigation / adaptation policy portfolios.
- International Project. STCU, Project 5842. Power Electronic Converters for Electric Vehicles with Synchronized Modulation in Photovoltaic Systems.
- International Project. Code. 14.820.18.03.04 / U. The installation of electric bow welding with reduced impact on the electricity network (ISAE).
- Etc.

Description of the your research interest



Short information about my research team and activities

- The subject of my research activity is connected to the domains of power engineering, energy efficiency, renewable energy sources and the issue of utilization of pluvial waters potential.
- The assessment of the potential of solar radiation in Moldova; identification of the availability of biomass sources.
- The participation to the accomplishment of monitoring, reporting and verification of National Plan for Actions in energy efficiency; the transposing of EU standards related to solid biofuels toward Moldovan standards.
- Elaboration of the energy indicators for the sectors of national economy; the templates of the Energy audits for buildings.
- Actually - investigations on the technical opportunities and economics to the subject of integration of the pluvial waters in the circuits of consumption of the public buildings of the municipalities.

Relevant CALL TOPIC *Circular Economy (SPIRE, Raw Materials and Water)*

PROJECT IDEA *Building a water-smart economy and society (Symbiosis between industry and water utilities, Large scale applications with various multiple water users and at various relevant scales).*



Objective

- Utilization of pluvial waters for the circuit of consumption in the public buildings of municipalities.

Expected result

- Reducing the water conception from the central supply systems as a result of utilization of pluvial waters for technical needs in public buildings.

Consortium - profile of known partners



No	Partner Name	Type	Country	Role in the Project
01	<i>Institute of Power Engineering</i>	RTD	Moldova	The central point for collecting management and administration of impute relevant data supplied by specialized entities.
02	<i>Energy Efficiency Agency</i>	Other	Moldova	Development and sharing need data bases concerning the technical opportunities and characteristics of the buildings, profile of consumption.
03	<i>The State Hydro meteorological Service of Moldova</i>	Other	Moldova	Supplying impute data related to the character of the evolution of rainfall in dynamics.
04	<i>Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)</i>	Other	Germany	Involvement of specialised personnel in the frame of energy management courses for the data collection, promotion and implementation of the concept of the projects in the sites.
05	<i>Climate Change Office</i>	Other	Moldova	Provide information on the calculation methodologies of the CO mitigation's benefits.

Consortium - required partners



No	Expertise	Type	Country	Role in the project
01	<i>Austrian Development Agency (ADA)</i>	RTD	Austria	Advisory support concerning assessment of the opportunities of implementation of the result gained performing the project, technical design, other
02				
03				
04				
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