
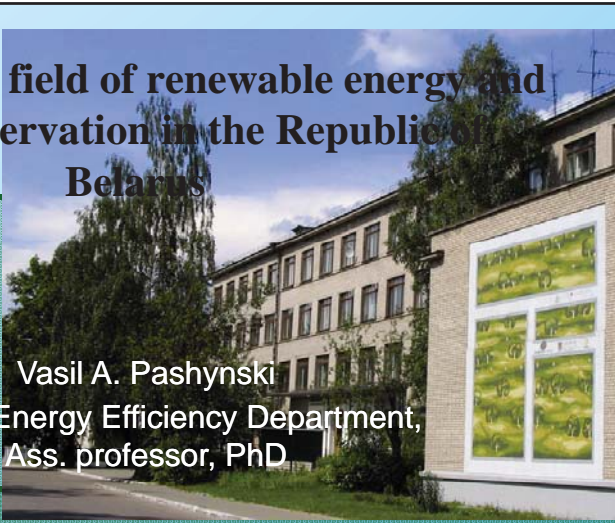


Training in the field of renewable energy and energy conservation in the Republic of Belarus


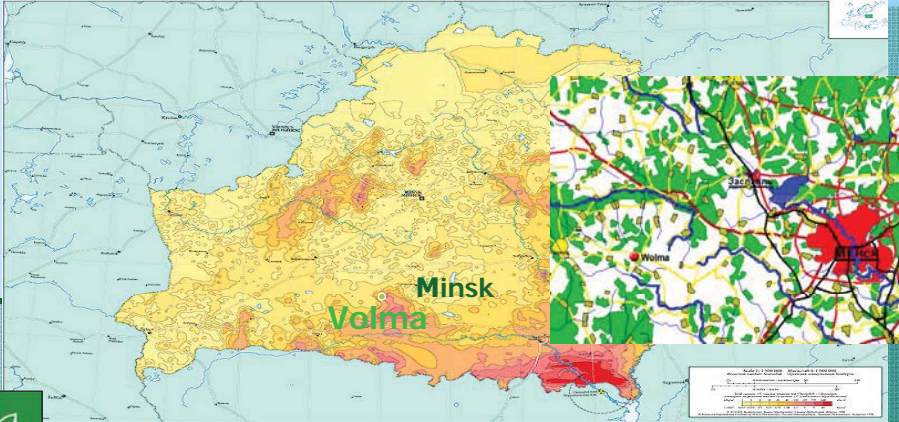
Vasil A. Pashynski
Head of Energy Efficiency Department,
Ass. professor, PhD



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Demonstrational Site of Renewable Energy Sources

It is located in ISEU training and research complex in
Volma village not far from Minsk



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Volma estate is one of the most ancient in Belarus.
It belonged to old noble family of the Monivids, known from the document of Great Duke Vitovt dated back to 1398.
In the 18-20 centuries the estate belonged to the Vankovitch family

Since 2004 the estate has been included in the Inventory of historical and cultural memorial of the Republic of Belarus.



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Renewable Energy Sources Laboratory

Within the cooperation with University of Applied Sciences Osnabruck, (Germany), under financial supporting of IIB (Germany) a completed laboratory for study and demonstration of all types of renewable energy sources has been set up in the ISEU.



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Early 2006 Rotor Windmill (БЭУ-250) with its infrastructure was attached to the University.

In 2007 the windmill has been put in operation, and the energy is supplied into the electric net.



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Autonomous windmill БЭУ- 6 (October 2006) KD-VK- 58 (1,2 kW) (May 2012)



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In 2006 a photovoltaic module (a gift of Forarlberg-Austria) under the support of Otto Hug Strahleninstitut (Prof. E. Lengfelder, Munich) was put in operation.



1,75 kW



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Micro-hydropower plant (October 2006)



0,4 - 1,5 kW



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Boilers of Austrian firm "KÖB"



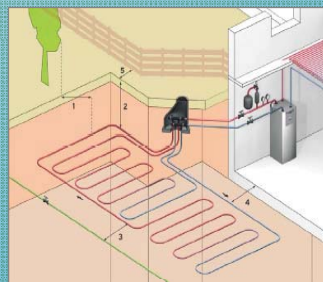
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Laboratory of biogas technologies (May 2012)



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In cooperation with Austrian Energy Agency the university was provided by heat pump (10 kW), which is getting to operation in the near future in Volma



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There have been developed ecological methods for degraded soils rehabilitation based on use of rapidly growing plantations of trees (willow) as a renewable biofuel (at present ISEU has 3 experimental and study sites).



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END

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