



United Nations  
Economic Commission for Europe



# Increasing Energy Efficiency for Secure Energy Supplies

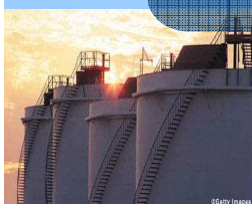
**Alexandre Chachine**  
Chief  
Sustainable Energy Section

**Steering Committee of the Energy Efficiency 21 Project**  
**Twenty-first session, 11 June 2010**





# Long-Term Objective

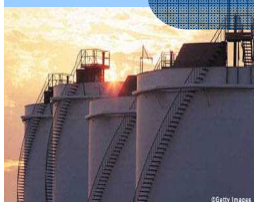


## **INCREASING ENERGY EFFICIENCY FOR SECURE ENERGY SUPPLIES**

Promote development of energy efficiency investments projects designed to reduce the domestic consumption of hydrocarbons in energy exporting countries in order to release additional energy resources for domestic consumption or for exports



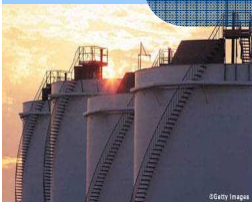
# ACTIVITIES



- Establish network of government & industrial experts
- Develop technical criteria for identification and selection of energy efficiency investment project proposals
- Review and evaluate the investment climate and energy policy related to financing investment projects
- Develop new mechanisms to finance efficiency improvements from the greater availabilities of oil and gas



# EXPECTED ACCOMPLISHMENTS



- Increased skills to identify, develop and finance investment project proposals in oil and gas industry
- Improved capacity to analyse and finance investments from the revenues of increased hydrocarbon sales derived from efficiency improvements



# INCREASING ENERGY EFFICIENCY FOR SECURE ENERGY SUPPLIES



## Two contractors engaged:

- Upstream and midstream sectors: - Russian State University of Oil and Gas;
- Downstream: International Sustainable Energy Development Centre (ISED)



# International Sustainable Energy Development Centre (ISEDC)

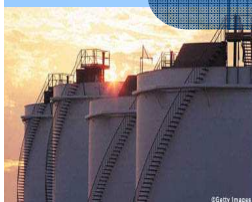


**Report on**

## **Cooperation of the CIS Countries in Enhancing Energy Savings and Improving Energy Efficiency for Secure Energy Supplies**



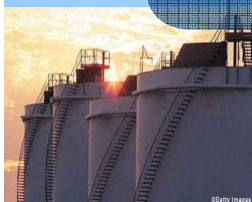
## Cooperation of the CIS Countries in Enhancing Energy Savings and Improving Energy Efficiency for Secure Energy Supplies



- Analysis of existing national programmes on energy efficiency improvements and strategies on energy savings in the CIS countries, with particular emphasis on oil and gas producing countries;
- Assessment of energy saving potential in various branches of economy, such as industry, transport, fuel and energy complex, agriculture, households etc;
- Legislative and regulatory framework in relation to energy conservation and energy savings;



## Cooperation of the CIS Countries in Enhancing Energy Savings and Improving Energy Efficiency for Secure Energy Supplies



- Overcoming the barriers to the implementation of energy savings;
- Financing of investments in energy efficient technologies in the CIS national economies, including in oil and gas industries, with a view to reduce the domestic consumption of hydrocarbons;
- Enhancing interregional cooperation between the CIS countries in the development of a coherent energy efficiency and energy saving policies, taking into account socio-economic and environmental aspects;
- Conclusions and recommendations.

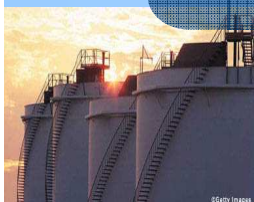


# Russian State University of Oil and Gas

## Report on

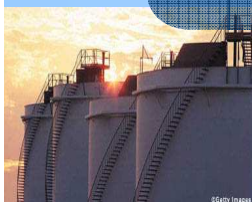
# Current State and Prospects for Energy Efficiency Improvements in the Production and Transportation of Natural Gas and Petroleum in the CIS Energy Exporting and Importing Countries

Particular emphasis -identification of projects that could be financed from the revenues of increased hydrocarbon exports derived from efficiency improvements





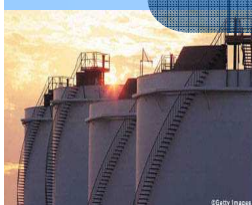
## Current State and Prospects for Energy Efficiency Improvements in the Production and Transportation of Natural Gas and Petroleum in the CIS Energy Exporting and Importing Countries



- Overview of advanced energy efficient technologies in the upstream and midstream sectors in the leading oil and gas producing countries and companies.
- Current state and prospects for improvements of energy efficiency in the production and transportation of natural gas and petroleum in the Russian Federation, Kazakhstan and other Central Asia energy exporters;
- Overview of investment climate and energy policies needed to finance investment projects as loans and through equity financing in the CIS energy exporting countries;



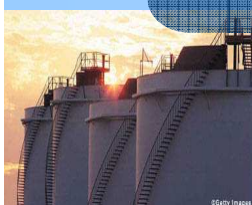
## Current State and Prospects for Energy Efficiency Improvements in the Production and Transportation of Natural Gas and Petroleum in the CIS Energy Exporting and Importing Countries



- Review of existing mechanisms (guarantees, contractual agreements) to finance efficiency improvements from the greater availabilities of natural gas and petroleum for use in domestic and export markets;
- Prospects for enhancing cooperation between the CIS energy exporting countries for identifying and developing energy efficiency improvements in the production and transportation of natural gas and petroleum;
- Conclusions and recommendations.



## NEXT STEPS



- Presentation of Reports to the 19-th Session of Sustainable Energy Committee (November 2010)
- Joint Meeting of Experts (January 2011)
- Presentation of a Combined Report by the two Contractors at the 22-nd session of the EE21 Steering Committee (June, 2011)



**Thank you for your attention !**



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