



United Nations
Economic Commission for Europe



Energy Efficiency 21 Project



Alexandre Chachine
Officer-in-Charge, Sustainable Energy Section
Sustainable Energy Division

Committee on Sustainable Energy
17th Annual Session
19-21 November 2008



Energy Efficiency 21 Project

- Launched in 1991 – 5 three-year phases
- Enhance East-West Trade and Co-operation
- Environment – UNECE Conventions
- UNFCCC Kyoto Protocol
- Improve Capacities and Networking
- Energy Efficiency Policy Reforms
- Financing Energy Efficiency Investments



EE21 Project Plan 2006-2008



General Objective

To enhance regional cooperation on energy efficiency market formation and investment project development to reduce greenhouse gas emissions in economies in transition



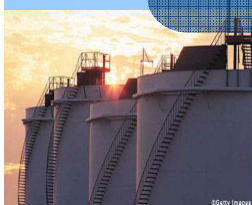
Immediate Objectives



- **Objective 1: Accelerate regional networking** between national participating institutions and international partners by enhanced Internet communications.
- **Objective 2: Promote municipal level projects** to enable local and concrete Energy Efficiency development. (Development of a new public private partnership investment fund)
- **Objective 3: Develop and harmonize regional policies** and standards to introduce the economic, institutional and regulatory reforms needed.



Work Methods 2006-2008



- EE21 Project Implemented by the UNECE
- Committee on Sustainable Energy
- Steering Committee Members appointed by Governments - Guidance on Project Execution
- Project Management by ECE Secretariat
- Steering Committee Meetings and Ad Hoc GE
- National Experts, Contractors, Consultants
- International Organisations, NGOs



Sub-regional and Country Oriented Projects of EE21



- The Regional Network for Efficient Use of Energy and Water Resources in Southeast Europe (RENEUER)
- Removing Barriers to Energy Efficiency Improvements in the State Sector in Belarus
- Biomass Energy for Heating and Hot Water Supply in Belarus
- Green Labels Purchase



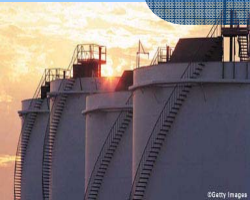
Sub-regional and Country Oriented Projects of EE21



- Development of Coal Mine Methane Projects in Central and Eastern Europe and CIS
- Wood Energy - UNECE Interdivisional Cooperation
- Energy Efficiency in Housing - UNECE Interdivisional Cooperation
- Financing Energy Efficiency Investments for Climate Change Mitigation



Financing Energy Efficiency Investments for Climate Change Mitigation Project



Long-Term Objective:

Promote an investment environment for self sustaining energy efficiency and renewable energy projects to be developed and financed to reduce greenhouse gas emissions

Immediate Objectives

Identify and develop investment projects

- Strengthen energy efficiency and renewable energy policies
- Promote opportunities for banks and commercial companies to invest in energy efficiency projects

Activities

- ☞ Providing source of financing with dedicated investment funds
- ☞ Training to help establish bankable project proposals
- ☞ Institutional and policy reforms



Financing Energy Efficiency for Climate Change Mitigation Project



- **Supporting institutions**
 - **United Nations Foundation**
US\$ 2 million
 - **French Global Environment Facility (FFEM)**
US\$ 2.5 million
 - **Global Environment Facility UNEP-GEF**
US\$ 3 million
 - **European Business Congress**
- **12 participating countries**
 - 2 European Union countries: **Bulgaria, Romania**
 - 5 South-Eastern European countries: **Albania, Bosnia and Herzegovina, Croatia, Serbia, the former Yugoslav Republic of Macedonia**
 - 5 CIS countries: **Belarus, Kazakhstan, Republic of Moldova, Russian Federation, Ukraine**



New Investment Fund

Making “business as usual” through market formation in the ECE region

Terms of transaction:

- **Targeted capital: €250 million**
 - Public (30 %) – Private partnership (70 %)
 - Equity and mezzanine financing
- **Investing EE and RES projects**
- **SwissRe- Conning European Clean Energy Fund**
50% of capital committed



Recent developments in Project implementation



- Joint Conference on International Cooperation on Energy Efficiency (UNECE, Energy Charter and International Energy Agency)
- Two meetings of the Ad Hoc Group of Experts (AHGE) on Energy Efficiency Investments for Climate Change Mitigation
 - ☞ Attribution of executive decision-making role to AHGE by the Steering Committee of EE21 Project
 - ☞ Approved Work plan for 2008
 - ☞ Developed a programme of Assessment Missions



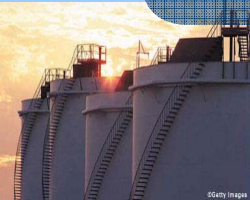
Recent developments in Project implementation (continued)



- Continued formation of the PMU
- Selection of three major contractors
 - ✧ Fund Designer
 - ✧ Regional Analysis of Policy Reforms
 - ✧ Website and Internet Communications
- Award of grants to National Participating Institutions
 - ✧ National Project Website
 - ✧ National Energy Policy Information for Regional Analysis
 - ✧ National Case Study
- Assessment Missions to participating countries accomplished



Projects Financed by the Russian Federation 2008-2010



- **Global Energy Efficiency 21: Cooperation between the United Nations Regional Commissions on Energy Efficiency for Climate Change Mitigation**
- **Development of the Renewable Energy Sector in the Russian Federation and in CIS Countries: Prospects for Interregional Cooperation**
- **Increasing Energy Efficiency for Secure Energy Supplies**
- **New Project Plan 2009-2011 will include these projects and other sub-regional activities**



EE21 Project Plan 2009-2011



TO BE ENDORSED by the 18-th SESSION
OF THE COMMITTEE on SUSTAINABLE
ENERGY in NOVEMBER 2009



Thank you for your attention !



Alexandre Chachine

Officer-in-Charge, Sustainable Energy Section

Sustainable Energy Division

+41 22 917 2451

alexandre.chachine@unece.org