

# Stepwise Towards Effective European Energy Efficiency Policy Portfolios Involving White Certificates (EuroWhiteCert 2005-06 – EIE project)

14.04.2005 Paris

Project presentation at IEA task 14 Workshop –

- **Prof. Lorenzo Pagliano**
- **Director of *end-use Efficiency Research Group (eERG)* [www.eerg.it](http://www.eerg.it) -  
Politecnico di Milano**
- **Advisor to the Italian Ministry of Environment ( Law 481/95 ; EnEff  
Scheme 2005-2009 -first version April 2001)**
- **Member of the BEST Project team ( “Directive on the promotion of Energy  
efficiency and Energy Services”)**



**Board of Directors of Master RIDEF Energy [www.ridef.it](http://www.ridef.it)**

# Project parties

- **Politecnico di Milano, Dipartimento di Energetica (eERG) -IT (coordinator)**
- **Energy for Sustainable Development Ltd (ESD) - UK**
- **Ecofys b.v. – NL**
- **Zentrum für Sonnenenergie- und Wasserstoff-Forschung Baden-Württemberg (ZSW) – Germany**
- **The Government Institute for Economic Research (VATT)– FI**
- **Lund Universitet (ULUND) - Sweeden**
- **ARMINES – FR**
- **Center for Energy Efficiency (EnEffect) - BG**
- **Centre for Renewable Energy Sources (CRES)– GR**
- **ISR-University of Coimbra (ISR-UC) - PT**
- **Energieverwertungsagentur, the Austrian Energy Agency (E.V.A.) - AT**
- **Agenzia per la Protezione dell'Ambiente e per i Servizi Tecnici (APAT) - IT**
- **Agence De l'Environnement et de la Maîtrise de l'Energie (ADEME) - FR**
- **Central European University (CEU) - HU**
- **ESD Bulgaria Ltd - BG**

# Project Objectives

## Overall goal of the project

- analyse the conceptual and technical development of tradable white certificates systems covering energy savings and energy efficiency at European level

## Detailed project objectives

- analyse the costs and benefits of a white certificate scheme compared to other policy instruments
- analyse ways to cope with critical issues, including interactions/integration with other certificate trading schemes
- test the white certificates concept in practice through a pilot action, where we will evaluate about 50 projects (as if we were issuing certificates)
- give recommendations on the conditions under which TWC might be the ecologically and economically beneficial

# Expected results

- Package of recommendations for the conceptual and technical development of white certificates.
- Verification and certification methodology tested by verifying and certifying at least 50 recent energy efficiency and renewable heat projects
- Assessment of functioning of certificate market under alternative experimental designs.
- Estimations of theoretical maximum size of white certificate market and of primary energy and CO2 savings achievable with white certificates
- Estimations of the costs of introducing white certificates
- Assessment of overall socio-economic costs and benefits of certificate schemes compared to a situation without certificate schemes but with the same energy saving targets.

# Project management

- The project coordinator and the leaders of the 6 project work packages will form a *technical coordination committee*.
- A *project steering committee* will monitor the overall operation of the project and its conformity with the needs of the European Commission
- To communicate the messages of the project to the target groups, three *open workshops* are envisaged
- Project results will be disseminated through a dedicated website, brochures, guidelines for policy makers, a handbook and CD on white certificate issuing procedures and trading opportunities, ....

## Target groups

- National and EU level **public authorities** responsible for energy efficiency and renewable energy policy definition, implementation and evaluation
- **Business entities**, including utilities, large end-users, energy service companies, carbon investors, companies that are willing or obliged to carrying out energy efficiency interventions and/or CO<sub>2</sub> emission reductions, **consumer associations, building and industrial associations**
- **Financing institutions** active in energy efficiency borrowing
- **Researchers and NGOs**