

# Renewable Energy Solutions

**LLP European Programme  
Leonardo Partnership 2009/2011**

# Why a project about renewable energy solutions?

- Renewable energy sources...
  - ... are not compromised for future generations
  - ... are usually the sources which pollute the least and have a low greenhouse effect
  - ... are also the sources most justly distributed amongst states and national territories  
(e.g. solar energy, hydroelectricity, biomass)

# Why a project about renewable energy solutions?

- Progress made in recent years in development and diffusion of technologies/processes connected to renewable energy sources.
- Big differences between technological solutions of various member states
- Significant difference in perception of “energy” theme and how renewable sources can be a solution to pollution and global warming and to growing energy demand.

# Impact and European added value

- Various applications of renewable energy systems - great possibility for Europe. Allows freedom from fossil fuels & investment in development of renewable energy systems.
- Small centres across territory can be financed by SMEs or by individual families - creating energy for domestic use in the hands of individual users. Clear social & economic advantages: widespread production would guarantee more continuous/diffused production with reduced losses.

# Impact and European added value

- Culturally, becoming small-scale energy producer leads to awareness & responsibility. Allows other ecological-economic choices for individuals  
(e.g. insulating buildings, choosing class-A electrical products, reducing waste etc...)
- Huge labour market could be developed, such as SMEs involved in creation, proposal & installation of renewable energy plants.
- People trained in specific competences for renewable energy choices help European Community to invest in research into new technologies, reducing costs, generating clean and renewable energy and satisfying parameters of the Kyoto Protocol more rapidly.

# What is the RES project?

- “Renewable Energy Solutions”  
A Leonardo partnership financed by the European Union’s ‘Lifelong Learning Programme’.
- Partnership between Italy, Romania, Turkey, Germany, Portugal & The Netherlands.
- Target group: students & teachers operating in the field.

# The partnership

- **Istituto Tecnico Industriale Statale "Enrico Mattei"** Italy  
[www.emattei-urbino.it](http://www.emattei-urbino.it)
- **Pamukkale Üniversitesi Enerji Arastirma ve Uygulama Merkezi** Turkey <http://tee.pau.edu.tr>
- **Associazione Mondosolidale** Italy [www.mondosolidale.it](http://www.mondosolidale.it)
- **Institut Technik und Bildung, Universität Bremen** Germany  
<http://www.itb.uni-bremen.de/index.php>
- **AEVA-Escola Profissional de Aveiro** Portugal  
<http://www.epaveiro.edu.pt/>
- **Koning Willem I College** The Netherlands  
<http://www.duurzaambo.nl/dmbo/web/>
- **Grup Scolar Industrial "Alexandru Popp"** Romania



# The partnership



# Project Objectives

- Examine concept of sustainable development & new approach for energy production and consumption.
- Examine concept of renewable energy & democracy of energy production.
- Compare different technical solutions in different countries in Europe.
- Compare different figures in labour market working with RES in different countries.
- Analyze people's sensibility about RES, their use and localization.

## Secondary Objectives

- Develop necessary interest for renewable energy in teachers, trainers, pupils & politicians.
- Develop better conditions for transition from school to working life for students who will work with renewable energy.
- Reinforce or create closer links of VET with territory & technicians.
- Respond to needs of the labour market, anticipation of skills needed in labour market in renewable energy plants.
- Improve qualification of teachers & trainers regarding renewable energy.

# Results

- Web site ([www.resproject.eu](http://www.resproject.eu)) & brochure for dissemination purposes;
- Report about renewable energy & world of work in different countries;
- Report (by each country) about different kinds of RES plants & different technical solutions in different participating countries;
- Report (by each country) about professional figures working with RES in different countries;
- Report on perception & involvement of individuals in energy choices & sensibility about RES (with on-line questionnaire);
- This conference, to present research & themes of project.



**Many Thanks**