

# References of the Polish Network „Energie Cités” (PNEC)

1997 – 2017

TITLE	YEAR	TARGET GROUP	SPONSORS & ASSOCIATES	DESCRIPTION
TWINERGY CONFERENCE, ROUND II, THE URBAN AND REGIONAL ENERGY EFFICIENCY PROGRAM	1997	Over 135 participants from Western and Eastern Europe representing local authorities, managers of district heating utilities, energy experts.	<b>Sponsor:</b> NOVEM <b>Associates:</b> FEWE (Polish Foundation for Energy Efficiency), PNEC	Communication within local energy efficiency projects; Local energy efficiency policy planning.
POLISH EFFICIENT LIGHTING PROJECT, DEMAND SIDE MANAGEMENT PILOT	1998	Inhabitants of the following cities - PNEC members: Chełmno, Elk, Żywiec.	<b>Sponsors:</b> Pacific Northwest Laboratory, GEF International Finance Corporation <b>Partner:</b> FEWE, PNEC	Seminar on the use of CFLs to reduce power loads, designed for SMEs and municipalities.
TRAINING SEMINAR FOR UKRAINIAN PARTICIPANTS ON PRIVATE SECTOR INVOLVMENT IN ENERGY EFFICIENCY PROJECT DEVELOPMENT	1998	Representatives of municipalities, banks, ESCos and industrial agencies in Ukraine.	<b>Sponsor:</b> USAID-AED in KIEV <b>Associates:</b> FEWE, PNEC	The main goal of the training seminar was to compare advanced process of transition in Poland in the field of economy with Ukraine's present situation, strengthen understanding and demonstrate solutions to energy efficiency problems.
THE DEVELOPMENT OF SMEs, OFFERING SERVICES IN LOW-COST HEAT SAVING IMPROVEMENTS IN BUILDINGS	1997 - 2000	Local governments and local institutions, private building firms - 6 participating municipalities.	<b>Sponsor:</b> USAID <b>Leader:</b> FEWE <b>Associate:</b> PNEC	City-wide plans for energy efficiency investments for the participating municipalities; SMEs, created and trained in the municipalities to perform services to conserve heat in residential buildings and schools; Lowering the unemployment rate by encouraging unemployed employees to run business activities.
TRAINING SEMINAR FOR POLISH-UKRAINIAN PARTICIPANTS ON ENERGY AND LOCAL POLICY	1998	Mayors, deputy mayors and city energy specialists from Poland and Western Ukraine.	<b>Sponsors:</b> USAID-AED in KIEV, ELECTROTEK CONCEPTS INC. <b>Leader:</b> PNEC <b>Associates:</b> MPEC – KRAKÓW, CITY OF BRZOZÓW	Advanced education and training in developing and financing energy efficiency projects (operation, renovation and maintenance of production plants and DH distribution systems).

PROJECT ON ENERGY ECONOMY AND POLICIES VS. POLISH COMMITMENTS FOLLOWING THE KYOTO PROTOCOL	1998	Polish municipalities, local decision makers, city officials.	<b>Sponsor:</b> USAID PROGRAMME "Territorial Governments: Effectiveness & Co-operation" <b>Leader:</b> PNEC	Advanced education materials on local energy policies.
TRAINING SEMINAR ON ENERGY SAVING AND ENVIRONMENTAL PROTECTION. RENEWABLE ENERGY SOURCES - ENERGY FOR FUTURE	1998	Presidents, mayors, decision makers, city energy specialists, municipality officials.	<b>Sponsor:</b> EIEE <b>Leader:</b> PNEC	Organisation and management within the fields of energy supplies, budgeting and payment of consumption, tariff policies, renovation of substations and distribution networks.
TRAINING SEMINAR ON ENERGY ECONOMY AND POLICIES VS. POLISH COMMITMENTS FOLLOWING THE KYOTO PROTOCOL	1999 - 2000	Representatives from LGPP municipalities.	<b>Sponsor:</b> Local Government Partnership Program LGPP <b>Leader:</b> PNEC	Creation of better local governments in Poland by improving their environmental performance by adopting local energy policies in accordance with principles of energy sustainability and environmental protection. Supporting of local authorities implementing Polish obligations after the Kyoto Protocol.
LOCAL ENERGY POLICIES IN THE CZECH REPUBLIC AND POLAND. THE ROLE OF LOCAL AUTHORITIES.	1999 - 2000	The national administrations and energy agencies, national associations of local authorities, national associations of municipal utilities.	<b>Sponsor:</b> DG XVII under THE SAVE II PROGRAM <b>Leaders:</b> PNEC, European network "Energie Cités" <b>Associates:</b> Four large municipalities in Poland - PNEC members	Elaboration of a study on the role of local authorities in the field of energy in the Czech Republic and Poland. Identification of a role (influence and responsibilities) of local authorities in energy sector in the applicant countries.
TRAINING SEMINAR ON HOW TO REDUCE ENERGY CONSUMPTION IN SCHOOL BUILDINGS	1999	School headmasters, town officials, managers of foundations and companies, representatives of SMEs.	<b>Sponsor:</b> Regional Environmental Centre REC <b>Leader:</b> PNEC <b>Associates:</b> FEWE, ESCo	The aim of the project was: <ul style="list-style-type: none"> <li>to minimise the energy consumption in school and municipal buildings and to raise awareness in the field of energy efficiency;</li> <li>creation of co-operation model between headmasters and municipal energy consultants.</li> </ul>
POST PELP - ENERGY SAVINGS IN LIGHTING IN POLISH MUNICIPALITIES	1999 - 2000	Residents of Polish cities, local decision makers.	<b>Sponsor:</b> International Finance Corporation <b>Leader:</b> PNEC	Reducing of CO2 emissions originating from Polish electricity production, in 97 % based on coal combustion, by a wider use of energy efficient compact fluorescent lamps (CFLs).

DANISH – POLISH TRAINING SEMINAR ON RENEWABLE ENERGY AND PROTECTION OF THE ENVIRONMENT	1999	Polish decision makers, mayors, managers of Polish district heating utilities.	<b>Sponsor:</b> EIEE, Danish Ministry of Environment and Energy <b>Leader:</b> PNEC	Visit to and demonstration of power stations based on utilisation of geothermal energy, waste incineration plants and large biogas plants and straw-fired heat plant. Exchange of experience on wood waste combustion and wind energy for heat production.
PROJECT IMPROVEMENT OF ENERGY EFFICIENCY OF SANATORIA IN TRUSKAVETS, UKRAINE	2000 - 2001	The inhabitants, visitors and patients in Truskavets sanatoria.	<b>Sponsor:</b> ECOLINKS Program , IIE <b>Leader:</b> JSC Truskavetskurort <b>Associates:</b> PNEC	Assistance to Truskavetskurort in development and implementation of energy efficiency measures for sanatorium buildings and boiler stations, as well for reduce greenhouse gas emissions from the boilers.
SUSTAINABLE ENERGY DEVELOPMENT COURSE FOR LOCAL ADMINISTRATORS	1999 - 2001	Local decision makers, local administrators, business leaders, representatives of SMEs.	<b>Sponsor:</b> TEMPUS PHARE JOINT EUROPEAN PROJECT <b>Leader:</b> Univeristy of Mining and Metallurgy, Krakow <b>Associates:</b> PNEC	Development of higher education materials for short-cycle courses covering the problems of energy sustainability. Introduction of the EU models of local energy policy making with consideration of environmental factors to Poland.
ENERGY EFFICIENCY AND ENVIRONMENTAL PRESERVATION IN SMALL CITIES - POLISH EXPERIENCE FOR UKRAINE	2001	Representatives of Ukrainian municipalities.	<b>Sponsor:</b> Poland-America-Ukraine Cooperation Initiative (PAUCI) <b>Leader:</b> PNEC	Transferring Polish Network "Energie Cités" experiences that focus on local energy policy and energy management.
TRAINING ON WATER AND SEWAGE MANAGEMENT	2001	Six persons from Croatia.	<b>Sponsor:</b> World Learning / OFFICE OF THIRD COUNTRY TRAINING under contract to the USAID <b>Leader:</b> PNEC <b>Partner:</b> Odense Water Ltd.	Two-week training on water and sewage management in Poland and Denmark.

LOCAL NETWORK FOR ENERGY EFFICIENCY	2001-2002	Members of MUNEE Network	<b>Sponsor:</b> USAID <b>Leader:</b> Alliance to Save Energy <b>Partner:</b> PNEC	The goal of the project was: <ul style="list-style-type: none"> <li>- promotion and implementation of innovative energy efficiency practice &amp; defining the obstacles</li> </ul> strengthening the potential of local and municipal institutions in developing and financing energy efficiency projects
ENERGY CONSERVATION IN BUILDINGS AND COMMUNITY SYSTEMS, 50. EXECUTIVE COMMITTEE MEETING	2001	Executive Committee Members; representatives of Polish ministries, banks and foundations.	<b>Sponsor:</b> International Energy Agency <b>Leader:</b> Silesian Technical University, Gliwice <b>Associates:</b> PNEC	The main issues in the field of the energy conservation in buildings in Poland. Overview of existing projects and identification of new areas where collaborative effort may be beneficial. Ensurance that all projects fit into a pre-determined strategy.
INTERNATIONAL SEMINAR ON STATE-LEVEL FINANCING OF ENERGY EFFICIENCY AS A COMPONENT OF ENVIRONMENTAL PROTECTION	2001	High-level decision-makers (from 15 countries) responsible for municipal budgeting and environmental protection in the countries of Central and Eastern Europe.	<b>Sponsor:</b> Alliance to Save Energy <b>Leader:</b> PNEC	The purpose of the seminar was threefold: <ul style="list-style-type: none"> <li>- to explore and develop the importance of energy efficiency within the priorities of national environmental protection funds in different countries;</li> <li>- to examine municipal budgeting policies and ways that state-level ministries and agencies have enabled and encouraged cities to invest in cost-effective projects that improve the local environment and lead to other social and economic benefits;</li> <li>- to identify possible ways to address policy impediments that inhibit the ability of cities to invest in energy efficiency.</li> </ul>
WORKSHOP ON ECOLOGICAL EDUCATION – SUSTAINABLE ENERGY DEVELOPMENT	2002	22 participants who were mainly elementary and secondary school teachers, but also inspectors in the field of energy efficiency and specialists in the field of environmental protection. Four participants came from Lviv, Ukraine.	<b>Sponsors:</b> Polish National Fund for Environmental Protection and Water Management <b>Leader:</b> PNEC	Sixty hours of the seminar in Elk included: lectures held by experts in the environmental and energy efficiency issues, as well in teaching methodology; daily workshops, discussion sessions and CD-ROM & video presentations. The seminar programme included the following theme blocks: Through Education to Sustainable Development; Climate Change; Sustainable Energy Development (including Energy Efficiency); Renewable Energy; Sustainable Transport; Water & Sewage Management.

TRAINING ON WATER AND WASTE-WATER MANAGEMENT	2002	12 representatives from Croatian municipal utilities.	<b>Sponsor:</b> World Learning / OFFICE OF THIRD COUNTRY TRAINING under contract to the USAID <b>Leader:</b> PNEC <b>Partner:</b> Odense Water Ltd.	Two-week training on water and waste-water management with visits in demonstration sites in Poland and Denmark.
STUDY TOUR TO DENMARK	2002	9 experts (engineers, energy powerlines designers).	<b>Sponsor:</b> “Energoprojekt” Company (T&D Consulting and Engineering Company) – Polish company <b>Leader:</b> PNEC	The group: <ul style="list-style-type: none"> <li>visited a few energy plants that own wind turbines in the big off-shore wind turbine farm in Copenhagen;</li> <li>took a short boat trip around the wind farm in Copenhagen and visited a wind turbine;</li> <li>took a boat trip around the wind farm in the Esbjerg Gulf.</li> </ul>
STUDY TOUR OF ARMENIAN GROUP IN POLAND	2002	11 representatives of local authorities and condominiums.	<b>Sponsor &amp; Leader:</b> Alliance to Save Energy <b>Partner:</b> PNEC	The aim of the study tour in Poland (Kraków, Zakopane, Bańska Nizna, Warszawa) was to make the Armenian group acquainted with the following issues: <ul style="list-style-type: none"> <li>energy efficiency;</li> <li>condominiums and municipalities;</li> <li>network of cities/municipalities.</li> </ul> The four-day study tour in Poland was a first part of the study tour of Armenian group. After the visit in Poland the group went for 3 days to Lithuania (Vilnius and Kaunas).
WORKSHOP ON ECOLOGICAL EDUCATION IN THE FIELD OF SUSTAINABLE ENERGY DEVELOPMENT	2002	20 participants who were mainly teachers from kindergartens, elementary and secondary schools, but also specialists in the field of investments and environmental protection.	<b>Sponsors:</b> Regional National Fund for Environmental Protection and Water Management, Wrocław <b>Leader:</b> City and Municipal Office of Świerzawa <b>Partner:</b> PNEC	Thirty hours of the seminar included: lectures held by experts in the environmental and energy efficiency issues, as well in teaching methodology; 2 workshops, discussion sessions; video presentations; as well presentations of private companies dealing with renewable energy. The seminar programme included the following theme blocks: Through Education to Sustainable Development; Climate Change; Renewable Energy; Financial Sources in the Field of Renewables; Energy Saving.

<p>8. ANNUAL ENERGIE-CITÉS CONFERENCE ON “SUSTAINABLE ENERGY MANAGEMENT IN MUNICIPAL BUILDINGS AND EQUIPMENT”</p>	<p>3-4 April 2003</p>	<p>250 participants from 24 countries; the conference addressed to networks and associations of municipalities, municipal elected members, private sector, national and European institutions.</p>	<p><b>Sponsors:</b> European Commission, ADEME, City of Kraków, Marshal Office of Malopolskie Voivodeship <b>Organisers:</b> European network Energie-Cités, PNEC</p>	<p>The conference aimed at promotion of the European Directive on buildings management, especially on communal buildings. To priority actions belong: reduction of expenses, energy functioning improvement, assurance of higher comfort, as well decreasing emission of pollution. The conference was an opportunity to enter public-private partnerships and to develop sustainable co-operation between European municipalities.</p>
<p>“EFFICIENT PRODUCTION OF HOT TAP WATER FOR THE RESIDENTIAL SECTOR – PRESENTATION OF DANISH EXPERIENCE AND RESULT OF A DEMONSTRATION PROJECT IN GDANSK”</p>	<p>16 October 2003</p>	<p>40 representatives of local authorities, local district heating companies, local water supply utilities and the housing co-operatives from Southern Poland.</p>	<p><b>Sponsors:</b> The Danish Energy Agency, the Polish Ministry of Infrastructure <b>Leader:</b> company RAMBOLL <b>Partners:</b> BAPE, EIEE Poland, PNEC, Danish Technological Institute and ASTRA</p>	<p>The seminar in Cracow summing up the Danish-Polish project which overall objective was to promote improvements of the production and distribution of HTW in Poland, with respect to energy efficiency, environmental impact, cost effectiveness and the quality of HTW. Mainly Danish experience was used to propose and test a number of technical, economical and managerial solutions.</p>
<p>TRAINING SEMINAR “THE ACCESSION OF POLAND TO THE EUROPEAN UNION”</p>	<p>15-18 September 2003</p>	<p>12 participants from Ukraina representing local governments and NGOs.</p>	<p><b>Sponsor:</b> PAUCI Programme - USAID <b>Leader:</b> Charity Ukrainian organization “South-East Center of Municipal and Regional Development” <b>Partners:</b> PNEC</p>	<p>The seminar in Cracow as a part of the Project “Vectors of East Ukraine Integration Process”. Lectures, discussions and study tours to transfer Polish experiences on preparing for the integration into the European Union.</p>
<p>RENEWABLE ENERGIES AS A CHALLENGE FOR LOCAL AUTHORITIES. THE EXAMPLES OF GOOD PRACTICE IN POLAND AND THE EUROPEAN UNION.</p>	<p>May 2003 - March 2004</p>	<p>All Polish municipalities and non-governmental organisations dealing with renewable energies.</p>	<p><b>Sponsors:</b> NFOiŚ, WFOiŚ in Krakow, WFOiŚ in Katowice <b>Leader:</b> PNEC</p>	<p>Preparing and publishing 5000 sets of two CDroms – one is a translation of an English version entitled “Renewable energies in urban areas” and contains 105 examples of the best practice in cities and communities in 19 European countries, the second one “Renewable energies in Poland. 70 good practice” contains the description of 72 examples of Polish practice of the use of renewable energies. The CDroms were promoted during the seminar in Cieszyn, 3-5 March 2004, and the presented experiences were disseminated to the other regions of Poland. A set of CDroms was given gratuitously to every Polish municipality and eleven organisations dealing with renewable energy.</p>

<p>SCHOOL BUILDINGS INTEGRATED ENERGY DEVELOPMENT OPERATION (SchooBIE-DO)</p>	<p>October 2003 – May 2006</p>	<p>Elected representatives of local authorities and schools, central administration and local authority associations in Central and Eastern European Countries (Poland, Ireland, Romania).</p>	<p><b>Sponsors:</b> Programme ALTENER UE, ADEME <b>Leader:</b> Energie-Cités <b>Partners:</b> PNEC, Cork County Energy Agency, Orase Energia Romania</p>	<p>The dissemination and replication of best practice in energy management in schools and houses of culture in the Eastern and Central Europe.</p> <ul style="list-style-type: none"> <li>- Key local authorities in ECE countries will establish <u>energy monitoring programmes</u> for their stock of schools, <u>energy audits</u> will be carried out on schools and <u>specifications</u> will be prepared on the audited schools.</li> <li>- Cork Energy Office will run a similar programme of monitoring and auditing in <u>Community Halls and social centres</u>. This will provide a comparison with the work in Eastern and Central Europe.</li> <li>- <u>Working groups</u> on strategies for financing and common indicators of energy consumption would involve the partner associations.</li> <li>- <u>Awareness raising</u> seminars will be held to bring the demonstration projects to the attention of head teachers, local authority personnel and elected members in each CEE country. Information on good practice case studies will be included in the newsletters of the networks, case study literature will be prepared in the local languages, as well as teaching packs and open days will be held in schools where action has been carried out.</li> </ul>
<p>REDIRECTING URBAN DEVELOPMENT TOWARDS SUSTAINABLE ENERGY (RUSE)</p>	<p>March 2004 – December 2007</p>	<p>Local authorities, associations, foundations, agencies.</p>	<p><b>Sponsor:</b> INTERREG IIIC <b>Leader:</b> Energie- Cités <b>Partners:</b> - 4 main partners in Poland, Slovakia, Lithuania and the Czech Republic with different law structures; - 10 municipalities and local energy agencies; - 2 national energy agencies (FR, NL); - 3 associated city networks (Bulgaria, Romania, Serbia).  All partners have a great deal of experience in urban development related to energy issues.</p>	<p>The purpose of the project is redirecting urban areas development towards sustainable energy. The primary objective is improvement of the use of SF - and other financial resources - in the regional energy policy projects of at least 4 NMS (Poland, Slovakia, Lithuania and the Czech Republic) thus progressing towards a better integration of sustainable energy issues in their projects. Project activities:</p> <ul style="list-style-type: none"> <li>- transfer of knowledge “know-how” and experience through study tours, seminars, workshops, hosting staff, newsletter in electronic version published half a year and network of experts;</li> <li>- preparation and dissemination of good practice case studies (100 GPCS in 5 language versions in database, project web-site);</li> <li>- SF help desk for municipalities.</li> </ul>

RENEWABLE ENERGY – KNOWLEDGE AND TECHNOLOGY TRANSFER FOR THE REGIONAL INNOVATION STRATEGIES	March 2005 – December 2006	Local authorities, SMEs, graduated students and researchers from Malopolska Region.	<b>Sponsor:</b> IROP 2.6, ESF EU <b>Leader:</b> PNEC <b>Partners:</b> University of Mining and Metallurgy (AGH) in Krakow; Polish Association of Renewable Energy Sector and Environmental Protection Employers	Preparing database connected with renewable energy, a manual (1 000 copies) for the private sector interested in renewables, organising 22 training sessions (1 day each) in the whole Malopolska Region, 10 probations in private companies (6 months each) for graduates and teachers from academies in Malopolska Region.
PUBLIC-SOCIAL PARTNERSHIP FOR ENERGY AND ENVIRONMENT MANAGEMENT	July – December 2005	Potential SF beneficiaries, particularly all Polish local authorities (about 2500 municipalities), SMEs, NGOs	<b>Sponsor:</b> Ministry of Economy and Labour, FIO <b>Leader:</b> PNEC	Preparing, publishing and disseminating in whole Poland 10 000 CD-ROMs containing the materials about Public-Social Partnership and 60 good practices of co-operation between local authorities, private companies and NGOs in the area of energy management and environmental protection in European Union and Canada.
ENERGY LABELS FOR SCHOOL BUILDINGS	August 2005 – May 2006	School headmasters, education curators, building administrators, 11 municipalities – PNEC members: Bieruń, Bielsko-Biała, Cieszyn, Dzierżoniów, Janów, Lubań, Miechów, Ogrodzieniec, Świerzawa, Raciechowice, Tychy.	<b>Sponsor:</b> National Fund for Environmental Protection and Water Management (NFOŚ) <b>Leader:</b> PNEC	Project results: 1) promotion of the climate protection through the information campaign preparing for the implementation EU Directive 2002/91/EC on Energy Performance of Buildings and promotion of RE in school buildings 2) preparing, publishing and disseminating 10 000 leaflets and 5000 guides containing the information about the EU Directive for Buildings, preparing the web site, publishing the articles in the magazine “Dyrektor Szkoły”, preparing the energy audits and the pilot energy certifications for selected school buildings.
THE MODEL LOCAL PARTNERSHIP FOR THE SUSTAINABLE ENERGY DEVELOPMENT	December 2005 – August 2006	Local authorities and inhabitants of Raciechowice municipality, local authorities of neighboring municipalities and all PNEC members	<b>Sponsor:</b> PHARE Programme <b>Leader:</b> PNEC <b>Partners:</b> Raciechowice municipality, Agricultural Cooperative Society	Developing and promotion of public-private partnership, co-operation between local authorities, private companies and NGOs, preparing frameworks of the sustainable energy action plan, adapting Climate Menu for Polish municipalities, elaboration of the climate policy for Raciechowice Municipality, transferring the model municipality experiences to others.



<p>THE SUPPORT OF MODEL PARTNERSHIP FOR THE SUSTAINABLE DEVELOPMENT</p>	<p>September – November 2006</p>	<p>10 representatives of local authorities and NGOs from Moldova interested in sustainable development, in long perspective 1000 persons.</p>	<p><b>Sponsor:</b> Ministry of Foreign Affairs of the RP <b>Leader:</b> PNEC <b>Partner:</b> Forum XXI Foundation from Moldova</p>	<ol style="list-style-type: none"> <li>1) Diagnostic and consultative visit of Association experts in Moldova.</li> <li>2) Study tour (5 days) for representatives of Moldovian local authorities consisting of seminar and visit in 6 Polish municipalities, meetings with local authorities, presentation of completed environment investments and good practices.</li> <li>3) Dissemination of project results through Association and Forum websites and publications in Polish and Moldavian magazines.</li> </ol>
<p>THE MODEL LOCAL PARTNERSHIP FOR THE SUSTAINABLE ENERGY DEVELOPMENT</p>	<p>September – November 2006</p>	<p>Representatives of local authorities from Kyrgystan</p>	<p><b>Sponsor:</b> Ministry of Foreign Affairs of the RP <b>Leader:</b> Raciechowice municipality <b>Partners:</b> PNEC, The Association of Cities of Kyrgyz Republic Cities</p>	<ol style="list-style-type: none"> <li>1) Presentation of local development strategy according to the model tested in Raciechowice and the Climate Menu method (seminar in Kyrgystan).</li> <li>2) Creation of local partnership for the sustainable energy development in the selected municipalities in Kyrgystan (Climate policy guidelines, in Russian).</li> <li>3) Demonstration of the best Polish financial and organization solutions which support public-private partnership in the area of energy services (study tour).</li> <li>4) Promotion and support of the exchange of experience between Raciechowice municipality and Kyrgyz local authorities (advisory mission in Kyrgystan).</li> <li>5) Broadening the Virtual Back Office activities as a support of changes and Polish technology good practice promotion in Kyrgystan .</li> </ol>
<p>STRUCTURAL FUNDS FOR DEVELOPMENT – BEST PRACTICES</p>	<p>May – December 2006</p>	<p>Representatives of Polish local authorities, private enterprises, institutions interested in using SF</p>	<p><b>Sponsor:</b> Ministry of Foreign Affairs (ERDF, OP Technical Assistance) <b>Leader:</b> PNEC <b>Partners:</b> "GlobEnergy" magazine, Federation of Polish Municipalities and Counties Unions</p>	<p>The best innovative projects being were identified, described and disseminated as models for imitation. Project results:</p> <ul style="list-style-type: none"> <li>- preparation and publication of 10 000 information leaflets,</li> <li>- preparation and publication of 10 000 CD-ROMs with best practice case studies descriptions,</li> <li>- preparation of best projects database,</li> <li>- press publications promoting best projects,</li> <li>- organization of final conference,</li> <li>- construction of website <a href="http://www.dobrepraktyki.org.pl">www.dobrepraktyki.org.pl</a></li> </ul>

EURE – EUROPE USE OF RENEWABLE ENERGY	January – December 2007	Representatives of Polish local authorities, private enterprises, institutions interested in using RES	<p><b>Sponsor:</b> INTERREG III C</p> <p><b>Leader:</b> Environmental Centre of Kozani (Greece)</p> <p><b>Partners:</b> PNEC, Technological Research Centre of the technological Institute of West Macedonia (Greece), Institute for Solid Fuels Technology (Greece), Association of Gudar-Javalambre i Maestrazgo Development (Spain) and Technology Center of Riesa-Grobenhain Region (Germany).</p>	<p>The aim of the project: the better use of SF for the RES projects.</p> <p>Project activities in Poland:</p> <ol style="list-style-type: none"> <li>1) preparation and publication of leaflets and the map of the RES use in Malopolska Region,</li> <li>2) international seminar for representatives of local authorities, banks, SMEs,</li> <li>3) preparation and publication of 5 000 CD-ROMs with descriptions of RES use best practice from Poland and the whole world, and the information useful for the preparation of application,</li> <li>4) organization of open days in schools,</li> <li>5) forming the free information point (advice on RES use, EE and financing sources).</li> </ol>
MODEL OF SUSTAINABLE ENERGY DEVELOPMENT STRATEGY FOR MUNICIPALITY OF MOLDOVA AS AN ELEMENT OF REGIONAL DEVELOPMENT STRATEGY. POLISH EXPERIENCES FOR MOLDOVA	July – December 2007	Representatives of local authorities from Moldova	<p><b>Sponsor:</b> Polish Aid 2007 Programme ( Ministry of Foreign Affairs of the RP)</p> <p><b>Leader:</b> PNEC</p> <p><b>Partners:</b> 1) Association of Young Social Innovators 2) Alliance for Energy Efficiency and Renewables</p>	<p>The project intends to help in strengthening local authorities through sharing experience and knowledge about creating local development strategy (esp. regarding to energy development and RES use).</p> <p>Project results:</p> <ul style="list-style-type: none"> <li>- diagnostic visit of Polish experts from PNEC in Moldova</li> <li>- visit of 2 Polish experts in Moldova (21 days)</li> <li>- study tour for representatives of local authorities from Moldova (2-days seminar + 3-days visits in Polish municipalities)</li> <li>- elaboration and publication of the guidebook for Moldovan local authorities</li> <li>- preparation for establishment of Moldovan local authorities association</li> </ul>
MODEL – MANAGEMENT OF DOMAINS RELATED TO ENERGY IN LOCAL AUTHORITIES	September 2007 – February 2010	Municipalities in partner countries, in Poland: Bielawa, Dzierżoniów, Ełk, Gorlice, Nowa Dęba, Ogrodzieniec, Poddębice, Świerzawa	<p><b>Sponsor:</b> Intelligent Energy Europe</p> <p><b>Leader:</b> Energie Cites</p> <p><b>Partners:</b> - Existing “energy-cities” networks (PNEC-Poland, OER-Romania, EcoEnergy-Bulgaria, EHÖSZ-Hungary) - “Embryos” of networks through existing bodies acting on behalf of the future national “energy-cities” network (Estonia, Lithuania, Czech Republic,</p>	<p>The project aims at helping local authorities to become models for citizens and developing actions to encourage citizens, local decision makers and stakeholders in taking their own initiatives, thus preparing the ground for sustainable energy communities through the following practical activities:</p> <ul style="list-style-type: none"> <li>- Promoting the appointment of municipal energy managers</li> <li>- Implementing multi-annual local action plans and energy information systems to improve energy performance of municipal properties</li> <li>- Getting financial means for concrete investments</li> <li>- Taking communication initiatives – incl. the</li> </ul>

			Slovakia, Slovenia) - EU 15 partners: AITF (FR), Energy managers (IT), Germany, etc. upon request during the implementation	Display® Campaign, Municipal Intelligent Energy Days, etc. – towards civil society - Disseminating at a large scale all information, results, methodologies and tools through the BISE process
AUTOMATIC INTELLIGENT METERING FOR SMALL AND MEDIUM-SIZED BUSINESSES – AIM 4 SME'S	December 2007 – November 2009	75-100 small/medium sized enterprises	<b>Sponsor:</b> Intelligent Energy Europe <b>Leader:</b> Leicester City Council <b>Partners:</b> - Sonnenplatz Großschönau GmbH, Sonnenplatz (AT) - PNEC (PL) - Energieagentur Waldviertel (AT) - Energy Agency of Vysočina (CZ) - Instituto de Engenharia Mecânica – polo IST, IDMEC (PT) - Montfort University, Leicester, (UK) - Energy Control Group Limited (UK) - LABELEC estudos, desenvolvimento e actividades laboratoriais, S.A. (PT)	The project's objectives are to automatically monitor energy (electricity, gas, heat, etc.) and water data in 75-100 small/medium businesses (SMEs) from a range of sectors (manufacturing, commercial, etc.) in 5 different Member States. It is intended to identify energy saving opportunities from the intelligent metering data, and to investigate the savings potential from using intelligent metering in small/medium sized enterprises. In the project it is intended to train and raise awareness of the employees of the businesses with the help of the detailed monitoring information and high quality visual materials. Anticipated results include energy savings of about 25% in 75-100 small/medium sized enterprises, a reduction in energy costs to participating SMEs of 20%, and a decrease in energy-related carbon dioxide emissions of an average of 25% in participating SMEs.
“TWO COUNTRIES – ONE ENERGY SAVING PROGRAMME: A POLISH – UKRAINIAN COOPERATION TO SUPPORT THE EUROPEAN COMMISSION'S CROSS-NATIONAL INITIATIVE ENTITLED <i>COVENANT OF MAYORS</i> ”	April 2010 – December 2010	Ukrainian municipalities and local communities	<b>Sponsor:</b> Polish aid programme 2010 of the Ministry of Foreign Affairs of the Republic of Poland <b>Leader:</b> PNEC <b>Partner:</b> The Association „Energy Efficient Municipalities of Ukraine” (EEMU)	The project supports the “Covenant of Mayors” initiative of the European Commission, which engages signatory municipalities (and their local communities) in activities for energy saving and climate protection. Covenant signatories commit themselves to go beyond the EU climate and energy goals set for 2020 by reducing carbon dioxide (CO <sub>2</sub> ) emissions in their territories by at least 20%.
“TOWARDS FRONT-RUNNER MUNICIPALITIES - RES CHAMPIONS LEAGUE”	September 2008 – August 2011	Representatives of local authorities, renewable energy producers, energy agencies, NGOs, local communities	<b>Sponsor:</b> Intelligent Energy Europe <b>Leader:</b> Le Comité de Liaison Energies Renouvelables CLER <b>Partners:</b> - PNEC (PL), - Deutsche Umwelthilfe (GE) - Energy Agency of Plovdiv (BG) - League of Ecological Alternatives (CZ) - Climate Alliance (DE) - Energiaklub (HU)	Project is aimed at promotion of municipalities using RES ((Renewable energy sources), and encouraging other municipalities to follow them.. Based on the experience of existing 3 national RES leagues (Germany, Czech Republic, France), three new national leagues will be implemented in Poland, Hungary and Bulgaria and all of them networked into the RES Champions league (more than 6000 municipalities) focusing mainly on the solar and efficient wood sectors.

			- Solarthemen (DE)	
“ENERGY PERFORMANCE CERTIFICATES FOR PUBLIC BUILDINGS”	December 2008 – November 2010	10 Municipalities (members of PNEC): Bielawa, Dobczyce, Dzierżonów, Ełk, Laszki, Lubań, Niepołomice, Nowa Dęba, Pałecznicza oraz Wiśniowa	<b>Sponsor:</b> Polish National Fund for Environmental Protection and Water Management <b>Leader:</b> PNEC	The aim of the project is to promote activities for climate protection through information and promotional campaign preparing for the implementation of the <i>Directive 2002/91/EC of the European Parliament and of the Council of 16 December 2002 on the energy performance of buildings</i> in Poland and encouraging to energy saving at schools
MUNICIPAL INTELLIGENT ENERGY DAYS (MIED) AS A TOOL FOR CLIMATE PROTECTION”	September 2008 – February 2009	7 Polish Municipalities: Bielawa, Dzierżonów, Ełk, Gorlice, Nowa Dęba, Raciechowice, Poddębice.	<b>Sponsor:</b> British Embassy <b>Leader:</b> PNEC	By organizing Municipal Intelligent Energy Days local authorities will have an outstanding opportunity to show their commitment to contribute to achievement of the EU energy and climate goals at the local level and show their citizens that they take a lead.
“50/50 EUROPEAN NETWORK OF EDUCATION CENTRES” (EURONET 50/50)	May 2009 – May 2012	50 schools from 9 countries engaged in project	<b>Sponsor:</b> Intelligent Energy Europe <b>Leader:</b> Diputació de Barcelona (ES) <b>Partners:</b> - PNEC (PL) - UFU e.V. (DE) - ALESA srl. (IT) - Uniwersytet w Vaasa (FI) - LBDCA (HU) - Zgromadzenie Miasta Almada (PT) - Miasto Heraklion (GR); - KSSENA (SI)	The project aims at applying the 50/50 methodology to 50 educational centers in order to contribute to the fight against climate change. Within the frameworks of the project an European network of schools will be created and energy efficiency measures will be implemented in chosen school buildings. The 50/50 concept assumes that thanks to taken up actions 2,5% energy savings will be achieved and money saved will be divided between schools (50%) and municipalities (50%).The result is that everybody wins: schools improve their energy efficiency and sanitary conditions, local authorities pay less for energy and the society gets the cleaner environment. Schools have been chosen to take part in the project as they are a perfect place to promote energy sustainability, ensuring that future generations consume energy responsibly and influence their families to do the same. 9 partners from 9 countries participate in the project.
“A NETWORK OF SUSTAINABLE ENERGY SUPPORTING STRUCTURES FOR THE COVENANT OF MAYORS” (ENERGY FOR MAYORS)	May 2010 – May 2013	Local authorities	<b>Sponsor:</b> Intelligent Energy Europe <b>Leader:</b> Prowincja Genua (IT) <b>Partners:</b> 14 partners from 8 European countries	The aim of the project is to support European initiative entitled “Covenant of Mayors” through strengthening the network of its Supporting Structures, helping selected municipalities in the development and implementation of Sustainable Energy Action Plans (SEAPs) and promotion of the Covenant among local

				self-governments.
CLEAN ENERGY FOR RURAL REGIONS (VISNOVA)	June 2011 – November 2014	Local authorities and local communities, small and medium enterprises	<p><b>Leader:</b> PNEC</p> <p><b>Sponsor:</b> Central Europe Programme, INTERREG IV B</p> <p><b>Partners:</b></p> <ul style="list-style-type: none"> <li>- Aufbauwerk Region Leipzig GmbH (GE)</li> <li>- District of Northern Saxony (GE)</li> <li>- Economic development corporation of the Schwabisch Hall district (GE)</li> <li>- District of Schwabisch-Hall (GE)</li> <li>- Center of Excellence for Renewable Energy, Energy Efficiency and Environment (CERE) (AT)</li> <li>- Micro Region Development Association Tullnerfeld West (AT)</li> <li>- South Transdanubian Area and Economic Development Nonprofit Ltd. (HU)</li> <li>- City of Szekszard (HU)</li> <li>- Administrative District of Gorlice (PL)</li> <li>- AGH University of Science and Technology (PL)</li> <li>- Economic Development Corporation of the Northern Saxony District (GE)</li> </ul>	VIS NOVA is a joint project of five partner regions coming from four different EU member states (regions of the “Dübener Heide” and Schwäbisch-Hall/DE, Tullnerfeld-West/ AT, Małopolska/Poland and the South-Transdanubian Region/HU). They aim for the objective to cover in the medium and long term up to 100% of the territory’s energy demand by energy being produced off regional resources.
NETWORKING THE COVENANT OF MAYORS AT THE NATIONAL LEVEL (NET-COM)	June 2011 – November 2013	National and european networks of municipalities, Covenant of Mayors signatories, local authorities	<p><b>Leader:</b> Energy Cities</p> <p><b>Sponsor:</b> Intelligent Energy Europe</p> <p><b>Partners:</b></p> <ul style="list-style-type: none"> <li>- Klimatkommunerna (SE)</li> <li>- Union of the Baltic Cities</li> <li>- Climate Alliance</li> <li>- Climate Alliance Austria (AT)</li> <li>- Climate Alliance Italy (IT)</li> <li>- Klimaatverbond (NL)</li> </ul>	The NET-COM project aims at empowering local authorities (at both political and administrative levels) to implement successfully their current (or future) Covenant engagements. Thus NET-COM directly supports the EU’s Energy and Climate Package targets.

			<ul style="list-style-type: none"> <li>- Energy Cities in Romania (RO)</li> <li>- Association of Flemish Cities and Municipalities VVSG (BE)</li> <li>- The Association of Municipalities Polish Network “Energie Cités”(PL)</li> <li>- Citenergo (SK)</li> <li>- EcoEnergy(BG)</li> </ul>	
APPETITE FOR CLIMATE - ECOLOGICAL MENU OF POLISH MUNICIPALITIES	September 2011 – April 2013	Covenant of Mayors signatories, local authorities and local communities	<p><b>Sponsor:</b> Polish National Fund for Environmental Protection and Water Management</p> <p><b>Leader:</b> PNEC</p>	Polish Municipalities (local authorities and communities) - implementing energy saving programmes, using renewable energy sources and engaging in activities for climate protection – sustainably manage natural resources and use the best pro-energy experience in every day practice. The specific objective of the project is to promote and implement among Polish municipalities (local authorities and communities) transnational initiative supported by the European Commission entitled "Covenant of Mayors" as a tool to build sustainable development, environmental awareness, environmental attitudes of society and climate protection.
CAPACITY BUILDING AND LESSONS TO BE LEARNED FOR THE INSTITUTIONALISATION OF SUSTAINABLE ENERGY POLICIES IN THE MUNICIPALITIES (GREEN TWINNING)	April 2012 – March 2014	Local authorities and local communities	<p><b>Sponsor:</b> Intelligent Energy Europe</p> <p><b>Leader:</b> PEDAs – Regional Union of Municipalities of Attica (Greece)</p> <p><b>Partners:</b> Project is carried out by a consortium of 10 partners from Greece, Bulgaria, Poland, Romania, Slovenia and Spain</p>	<p>The project aims at:</p> <ul style="list-style-type: none"> <li>• strengthening the technical and financial capacity of EU-12 municipalities in sustainable energy policy and implementation,</li> <li>• supporting EU-12 municipalities towards joining the Covenant of Mayors initiative and to fulfill the obligations resulting from this commitment and</li> <li>• promoting permanent long-term partnerships and networking between experienced and learning municipalities in order to achieve commonly agreed results in joint project implementation process.</li> </ul>
MEASURE AND SHARE DATA WITH UTILITIES FOR THE COVENANT OF MAYORS (MESHARTILITY)	April 2012 – April 2015	Municipalities, energy utilities and associations of utilities from 12 countries involved in the project.	<p><b>Sponsor:</b> Intelligent Energy Europe</p> <p><b>Leader:</b> Save Energy Agency of Región de Murcia (ES)</p> <p>PNEC is responsible for the implementation of the project in Poland.</p>	The MESHARTILITY project aims at the development of solutions and tools facilitating exchange of energy data between energy utilities and local authorities elaborating sustainable energy strategies and plans. These solutions and tools will help cities, who are signatories of the Covenant of Mayors, to develop their Sustainable Energy Action

			<p><b>Partners:</b> The project consortium comprises of 17 partners, including energy agencies, associations of municipalities, utilities and technical experts from 12 European countries</p>	Plans (SEAPs).
<p>“A GARDEN OVER YOUR HEAD – SWISS GREEN ROOFS AND LIVING WALLS AS A MODEL AND INSPIRATION FOR INNOVATIVE ACTIVITIES OF POLISH SELF-GOVERNMENTS IN THE FIELD OF ENERGY CONSERVATION AND CLIMATE PROTECTION”</p>	May 2012 – May 2014	Polish municipalities and local communities, Covenant of Mayors signatories	<p><b>Sponsor:</b> Switzerland under the Swiss-Polish Cooperation Programme.</p> <p><b>Leader:</b> PNEC</p> <p><b>Partners:</b></p> <ul style="list-style-type: none"> <li>- Zürcher Hochschule für Angewandte Wissenschaften (ZHAW)</li> <li>- University of Applied Sciences in Zurich</li> <li>- Polish Association “Green Roofs” from Wrocław</li> </ul>	The aim of project activities is to transfer to Polish municipalities Swiss know-how for improving energy efficiency of buildings through setting up gardens on roofs and walls in the framework of local sustainable energy strategy. The project refers to the trends of modernist architecture of XX <sup>th</sup> century initiated by world-famous Swiss architect Le Corbusier, that is to the concept of gardens grown on rooftops in order to compensate for the loss of green space taken by the building. “Green roofs” and “living walls” will not only contribute to the reduction of CO <sub>2</sub> emissions and to increasing energy efficiency of buildings, but also serve the purpose of improving the retention of rainwater which results in reducing energy consumption of sewage systems and reducing floods. Moreover, implementation of such investments will allow to mitigate the effect of “heat islands” and result in reconstruction of ecosystems (birds, plants, insects).
<p>REGIONAL STRATEGIES FOR RENERGY CONSCIOUS COMMUNITIES (REENERGY)</p>	January 2012 – December 2014	Local authorities, producers and distributors of energy, local communities	<p><b>Sponsor:</b> Program INTERREG IVC</p> <p><b>Leader:</b> Province of Potenza (IT)</p> <p><b>Partners:</b></p> <ul style="list-style-type: none"> <li>- National Research Council of Italy - Institute of Methodologies for Environmental Analysis (IT),</li> <li>- City of Tulln (AT),</li> <li>- INTELI – Intelligence in Innovation,</li> <li>- Innovation Centre (PT),</li> <li>- City of Worms (DE),</li> <li>- Durham County Council (UK),</li> <li>- The Association of Municipalities Polish Network “Energie Cités” (PL),</li> <li>- Kaunas University of Technology (LT),</li> <li>- Municipality of Avrig (RO),</li> </ul>	<p>The overall aim of the project is to improve, by means of interregional cooperation, the effectiveness of regional development policies in the area of energy as well as to contribute to economic modernisation and increased competitiveness of Europe by turning urban spaces from energy consumers into energy producers. This project will bring the community added value by developing a new and innovative approach and solutions in the field of energy at local and regional level.</p> <p>The specific objective is to develop an integrated framework for improving energy efficiency and the optimal utilisation of RES by offering an innovative model for creating sustainable energy efficient urban environments.</p>

			<ul style="list-style-type: none"> <li>- Building for Future (UK),</li> <li>- Municipality of Slagelse (DK),</li> <li>- Municipality of Szentes (HU)</li> </ul>	
EURONET 50/50 MAX – ROLL-OUT OF 50/50 INITIATIVE TO UNLOCK ENERGY SAVING IN SCHOOLS AND OTHER PUBLIC BUILDINGS	April 2013 – March 2016	Local authorities, 500 schools and nearly 50 other public buildings from 13 countries engaged in project, local communities	<p><b>Sponsor:</b> Intelligent Energy Europe</p> <p><b>Leader:</b> Diputació de Barcelona (ES)</p> <p><b>Partners:</b></p> <ul style="list-style-type: none"> <li>- Association of Municipalities Polish Network “Energie Cités” (PL)</li> <li>- Local Agency for Energy and Environment (IT)</li> <li>- University of Vaasa (FI)</li> <li>- Region of Crete (EL)</li> <li>- Independent Institute for Environmental Issues (DE)</li> <li>- Energy Agency of Savinjska, Šaleška and Koroška Region (SI)</li> <li>- Kaunas Regional Energy Agency (LT)</li> <li>- City of Zagreb (HR)</li> <li>- Riga Managers School (LV)</li> <li>- TOP-ENVI Tech Brno (CZG)</li> <li>- Florence Energy Agency (IT)</li> <li>- Climate Alliance Austria (AT)</li> <li>- Huelva Provincial Council (ES)</li> <li>- Cyprus Energy Agency (CY)</li> <li>- Energy Agency of Vysocina (CZ)</li> </ul>	Project aims at mobilizing energy savings in public buildings through the implementation of the 50/50 methodology in 500 schools and nearly 50 other public buildings from 13 EU countries. The 9-step methodology increases energy awareness of the building users and actively involves them in energy-saving actions. Achieved financial savings are shared equally between the building users and the local authority which covers the energy bills. It is a continuation of the very successful EURONET 50/50 project which tested the implementation of the 50/50 methodology in over 50 European schools and won the European Sustainable Energy Award 2013!
SUPPORTING LOCAL AUTHORITIES IN THE DEVELOPMENT AND INTEGRATION OF SEAPS WITH ENERGY MANAGEMENT SYSTEMS ACCORDING TO ISO 50001 (50000 and 1SEAPs)	March 2014 – February 2017	Local Authorities, Covenant Coordinators and Covenant Supporters, local and Regional Energy Agencies and other technical structures that work with LAs in the framework of the Covenant of Mayors	<p><b>Leader:</b> SOGESCA s.r.l (IT)</p> <p><b>Sponsor:</b> Intelligent Energy Europe</p> <p><b>Partners:</b></p> <ul style="list-style-type: none"> <li>- PNEC (PL)</li> <li>- CRES (GR)</li> <li>- EKODOMA (LV)</li> <li>- ARM (BG)</li> <li>- ECQ (BG)</li> <li>- AMET (RO)</li> <li>- DENKSTATT (RO)</li> <li>- DEPUTACION OURENSE (ES)</li> <li>- ALBEA (ES)</li> </ul>	Project provides a coherent approach to integrating Energy Management Systems (EnMS) with Sustainable Energy Action Plans (SEAPs) according to energy management standard such as ISO 50001 and European Energy Award, as quality management certification system for municipalities committed to sustainable energy planning. It aims to help municipalities overcome the barriers blocking institutionalisation of their action plans and reinforce internal structures and procedures for high-quality, long-term, energy policy and planning. This ensures that sustainable approaches to local energy policy and



			<ul style="list-style-type: none"> <li>- AMORCE (FR)</li> <li>- MT PARTENAIRES INGÉNIERIE (FR)</li> <li>- ICLEI Europe (DE)</li> </ul>	planning are spread and strengthened further across Europe.
EMPOWERING SUPPORTING STRUCTURES OF THE COVENANT OF MAYORS TO ASSIST LOCAL AUTHORITIES IN IMPLEMENTING AND MONITORING THEIR SUSTAINABLE ENERGY ACTION PLANS (MAYORS IN ACTION)	March 2014 – February 2017	Coordinators and Supporters of the CoM, municipalities	<p><b>Leader:</b> PROVINCE OF GENOVA (IT)</p> <p><b>Sponsor:</b> Intelligent Energy Europe</p> <p><b>Partners:</b></p> <ul style="list-style-type: none"> <li>- PNEC (PL)</li> <li>- PROVINCE OF BARCELONA (ES)</li> <li>- CRES (GR)</li> <li>- CITY OF ZAGREB (HR)</li> <li>- VENETO REGION (IT)</li> <li>- SOGESCA (IT)</li> <li>- INTERLEUVEN (BE)</li> <li>- ICLEI Europe (DE)</li> </ul>	Project focuses on Coordinators and Supporters of the CoM, to foster and empower them in selecting, adapting and channelling good practices for the implementation and monitoring of existing SEAPs through training, tutoring and coaching schemes, addressing C&S and municipalities.