



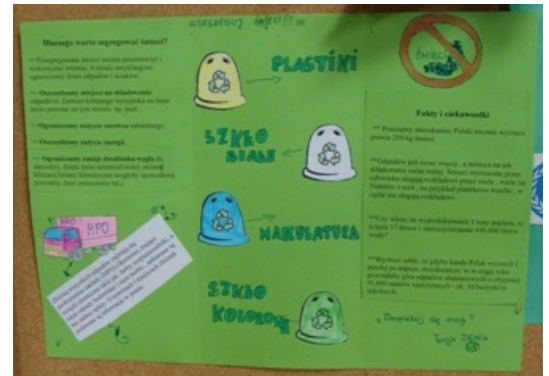
GENERAL INFORMATION



•W2E project is focused on the potential to improve the sustainable management of waste in Europe's regions, and to produce energy from waste.

.The project involves 8 partners from 7 different EU Countries: Sweden, United Kingdom, Italy, Hungary, Poland, Slovak Republic, Romania.

Its objective is to exchange knowledge and good practice about regional policies for sustainable waste management, by changing the perception of waste as a potential resource, and to increase energy recovery from waste through the development of regional action in each partner regions.



The principal results of the project will be:

- the development of a policy tool which can support regions in the development of more sustainable waste management strategies
- the development of 7 sustainable waste management **Action Plans**, one in each region which will focus on the reduction of waste going into landfill, and the potential to recovery energy from that waste.



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DESCRIPTION AND OBJECTIVES OF THE PROJECT

The joint activities of the project goes beyond the level of basic networking since the purpose is to perform joint activities in terms of waste treatment assessment and benchmarking to develop a European waste policy tool and forward looking Action Plans. Regarding the assessment the aim is to develop a joint basis of a European model for mapping waste characteristics to facilitate cost- and energy efficient treatment of waste.



The project shares knowledge and experience of strategies to recover energy from waste, through of Study Visits to look at good practice in action, and seminars to share experience.

It will use the knowledge gained from those Study Visits to develop a policy tool to improve energy recovery from waste; a tool which can be used by any EU region.

The project has been designed to influence regional level policies for sustainable waste management. It is clear that environmental legislation must be accompanied by political will and an understanding of good practice and the potential for reducing waste and reducing carbon emissions, whilst encouraging economic growth.



In order to achieve this vision, the project activities will:

- identify and share current good practice about energy recovery from waste
- develop a policy tool to assess a region's waste characteristics, and the institutional framework for dealing with waste, leading to an assessment of a region's capacity to improve on energy recovery from waste
- use the policy tool to support the development of a forward-looking Action Plan for each region
- disseminate the tool, and the potential for energy recovery from waste, widely to other EU regions and through EU networks.



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ACTIVITIES OF THE PROJECT

The project is divided in 3 Components:

CP 1 Management and Coordination

This component is led by Östergötland County Administrative Board (Lead Partner). It is concentrate on ensuring that the project is run smoothly, delivered on time, to budget, and that outputs are delivered to the necessary quality. The key activities concern a schedule of six-monthly partner meetings, production of a project manual/handbook for all partners, and the production of detailed six-monthly reports from all partners.

CP 2 Communication and Dissemination

This component is led by Abruzzo Region (Information Manager - IM).

It is focuses on effective communication within the partnership, and the project's results to economic policy actors in partner regions, other EU regions, European institutions and networks, through efficient dissemination of the activities and results of the project.

To reach the addressees, expertise in the field will be used to ensure that activities are carried out with a professional approach coordinated by the project IM.

Multiple tools will be used including a project web portal, good practice movie, a magazine-style report, regional seminars, international workshops/conference, the production of the transferable policy tool, press release, brochure, newsletter, establishment of 1 European network for waste to energy, recommendations to the European Commission.

CP 3 Exchange of experiences dedicated to the identification of good practices

Also this component is led by Östergötland County Administrative Board (Lead Partner).

The objectives of the component are: increase knowledge about sustainable waste management and waste to energy solutions; improve the regional/local policies through evidence-based policy making and increase the competitiveness.

•Partners will identify and learn from good practice, create a transferable policy tool, and use it to develop regional Action Plans. These last will be focused in particular on the potential for each region to increase the production of sustainable energy from waste. This process will be achieved by:

- bringing partners together in an opening seminar/workshop to understand waste production potential and techniques in each region
- planning 4 Study Visits in 4 of the partner regions which demonstrate particularly good examples of waste to energy identifying and documenting them
- translating the good practices into a generic policy tool which can help any region understand the potential for energy generation from waste, commencing with a further practitioners' workshop
- using the policy tool in each region to develop Action Plans, initiated by a third workshop.

The Action Plans will set the framework for further development.



CAB ÖSTERGÖTLAND COUNTY ADMINISTRATIVE BOARD

This Board is a governmental agency that represents the Riksdag and the Government in the county and serves the best interests of the residents. It is the job of the County Administrative Board to see that the decisions taken by the Government and the Riksdag have the best possible effects in that county. In severe crises, such as environmental disasters and serious accidents, the County Administrative Boards can coordinate rescue measures.

CAB has important responsibilities with regard to many of the services provided by the local authorities, checking up on and monitoring compliance with laws and guidelines.

the Board's responsibilities include nature conservation and environmental protection, social care, communications, control of foodstuffs, agriculture, fishing, gender equality, cultural sites, regional development, peace time crisis management and rescue services.

In order to achieve this vision, the project activities will:

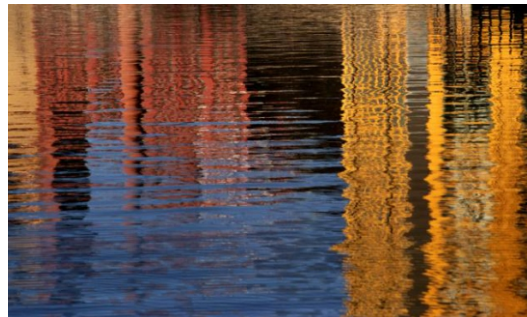
- identify and share current good practice about energy recovery from waste
- develop a policy tool to assess a region's waste characteristics, and the institutional framework for dealing with waste, leading to an assessment of a region's capacity to improve on energy recovery from waste
- use the policy tool to support the development of a forward-looking Action Plan for each region
- disseminate the tool, and the potential for energy recovery from waste, widely to other EU regions and through EU networks.



M/S Diana on the Göta Canal



Östergötland commuter train



Water reflections, Norrköping



Östergötland rapefields

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Cumbria County Council

CUMBRIA COUNTY COUNCIL

Cumbria is a special place with breathtaking scenery and strong, sustainable communities – it's a great place to live and work.

Cumbria is the second largest county in England but fewer than 500,000 people live here and over 50% live in rural communities, bringing with it diverse and unique challenges.

Cumbria enjoys a world class environment and landscape, presenting unrivalled opportunities for tourism. Visitors come not just to view the beautiful landscape but to enjoy an active and interesting experience.

The county also boasts unique skills in nuclear technologies, is a dynamic renewable energy area with diverse energy resources and home to Britain's Energy Coast.

The county has six districts: Allerdale, Barrow, Carlisle, Copeland, Eden and South Lakeland. Its largest urban areas are Barrow, in the South West of the county, and Carlisle in the North.

Household waste management is governed via a two tier system - 6 District Councils are Waste Collections Authorities and Cumbria County Council is the Waste Disposal Authority.

Integration of collection and disposal functions is via the Cumbria Strategic Waste Partnership, publicly known as Resource Cumbria.

Cumbria County Council has recently signed a 25 year contract with Shanks Waste Solutions to build two 75kt Mechanical Biological Treatment plants to convert non-recyclable waste into Solid Recovered Fuel.

The Council would expect to transfer policy lessons from this project and has significant EU programme experience.



Sellafield



Ashness Bridge



Wind Farm

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ARAEN - ABRUZZO REGIONAL ENERGY AGENCY

ARAEN - Abruzzo Region has a long experience in the management of renewable energy field. ARAEN is a permanent and functional body of Abruzzo Region, set by Regional Law no. 6 of 8th February 2005 art.64; and is an example of the attention that Region Abruzzo gives to the energy system. Its assigned activities are primarily related to improve the management of energy demand by promoting energy efficiency, promote the better utilization and a better management of local and renewable resources, and optimize the production's costs and support research aimed at exploitation of the supply optimal conditions, the management of regional functions in the energy sector. Region Abruzzo has employed many instruments to promote the renewable energy system, such as a Regional plan relating to the use of renewable energies and a Regional plan for the protection and care of air quality. Actions to reduce CO2 emissions are provided for within polluting sources: industry, agriculture, commerce, transport.

At national level the instruments that region Abruzzo implements are primarily the agreement programme with the Ministry of Environment relating to the energetic valorisation of biomass (April 2004), which will be implemented for 3 years. Abruzzo Region supports a modern environmental policy, recognizing as fundamental objective the preservation and protection of the environment. In order to reach this objective, Abruzzo Region will develop actions which interest the whole chain of integrated waste management, that include: reducing of waste production, foreseeing energy recovery from residual waste not otherwise recoverable; promoting activities like: communication, education and training to citizen and specialists of the sector.



The capital city of Abruzzo Region, L'Aquila, before the earthquake of 2009



Seaside of Giulianova, Teramo province



Town of Rocca Calascio, L'Aquila province

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Araen

SOUTH GREAT PLAIN REGIONAL DEVELOPMENT AGENCY

South Great Plain Regional Development Agency was established in 1997, since then it has played an active role in managing of Hungarian as well as European projects in different fields and also has participated in international co-operations (PHARE, Structural Funds, FP5, FP6 and FP7, INTERREG, SEE, CE Programmes). The aim of SGPRDA is development of the human and economic resources as well as the environmental state of the South Great Plain.

Waste management and energy production are key topics in the 2007-13 Operational Programmes in Hungary.

Both national and regional policies deal with its development. There are the special Environment and Energy Operational Programme on state level and the South Great Plain Operational Programme on regional level which deals with settlement landfill recultivation.

Also in Regional Operational Programmes environmental sustainability is a horizontal aspect.

SGPRDA, as the main regional policy driver and support coordinator has close relationship with companies, clusters, research organizations active in the mentioned field and has the opportunity to support them strengthening – among others- the renewable energy sector.

The main benefit from the cooperation - the best practices of sustainable waste management with focus on energy recovery could be built into the regional planning documents and procedures.



The Medieval castle of Gyula



Biogas plant in Kecskemét at Pilze-Nagy Ltd.



Windmill on the South Great Plain



Sunflower field



KUJAWSKO-POMORSKIE VOIVODESHIP

Kujawsko-Pomorskie Region is situated in the northern part of central Poland. Owing to such location, we bind the north-western and north-eastern parts of the country and the regions of northern and central Poland.

The two capital cities, Bydgoszcz and Toruń, are the essence of the best characteristics of our Region. It is a rapidly developing new social and economic infrastructure, history accompanied by unique culture and art and optimism, with which we perceive the future we are heading for. Toruń with its Gothic monuments, present on UNESCO's list of World Heritage Sites, is one of the best preserved Medieval towns in the world.

The important asset of the region is its human and intellectual potential. We have 31 schools of higher education, including 3 universities: Nature and Technology University and Kazimierz Wielki University in Bydgoszcz, and the largest university centre in northern Poland – Nicolas Copernicus University in Toruń.

The competences of the Marshal's Office of Kujawsko-Pomorskie Voivodeship cover all the aspects of regional development: education, infrastructure, environment, investment, etc. Kujawsko – Pomorskie is a dynamically developing region with the major role of the food, pulp and paper, chemical, electro machine and plastic industries. Springs of mineral waters and deposits of halite and limestone create recreational and medical resorts in Inowrocław and Ciechocinek.



Landscape



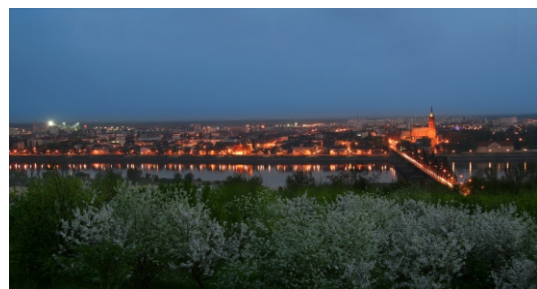
Landscape



Marshal's office



Landscape



Toruń

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SIEA Slovak Innovation and Energy Agency

SIEA - SLOVAK INNOVATION AND ENERGY AGENCY

Slovak Innovation and Energy Agency (SIEA) was established in 1999 as a professional agency directed by the Ministry of Economy of SR.

It is the competence centre for energy efficiency, energy innovations and renewable energy sources. SIEA also acts as an implementation agency for Structural Funds. SIEA act as the national energy agency and has very good knowledge of the Slovak energy market and its participants, the decision makers, companies, professionals, associations and all those who are involved in the area of energy as well as energy efficiency.

Special emphasis is laid on the area of trainings and information seminars for professionals dealing with energy efficiency as well as for general public.

The agency establishes procedures in accordance with its institutional structure in order to reach all regional and local energy-related stakeholders (ministries, NGOs and any other relevant institutional bodies considered relevant by the partners) and initiates a local participatory planning process.

Ministries of Economy and Environment of SR, and their specialised organisations SIEA & SEA - Slovak Environmental Agency coordinate their activities in the field of climate change, sustainable development and resource use (raw materials & waste).

SIEA cooperates mainly in the preparation of legislative regulations, analysis, advice and public information in the field of energy produced from waste and waste heat.



The Bratislava Castle



Sandberg Natural Reserve of Devínska Kobyla



The Main Square of Bratislava



The New Bridge named UFO



The Small Carpathians Vine-growing region



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REA - REGIONAL ENERGY AGENCY

Regional Energy Agency (REA) deals with everything related to rational use of energy, energy savings and renewable energy sources. We put great emphasis on the dissemination of energy issues among the public. Our counselling centre is open to the public every working day. Through an international schools project, which includes the organization of environmental education and development of energy audits, we are focusing on school. REA activity is focused on the advice of the population, government, business and education. REA is also guidance aimed at ensuring – Energy audits of buildings, Energy certification of buildings. REA has been involved in several European projects. From year 2003 to year 2006 was a member of international organization for climate protection Climate Alliance – Klimabündnis. One of the basic tasks of agency is to inform and promote the rational use of energy, opportunities to reduce household energy consumption and uses renewable energy sources. The mission of the REA is not making Money, but to carry out awareness among citizens and provide them with free basic energy advice!



Landscape of Šaľa



River flowing Šaľa



Renaissance mansion



Church of St. Margaret Antioch in Šaľa



Enterprise of Šaľa

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Dâmbovița County Council

DÂMBOVIȚA COUNTY COUNCIL

With a population of 534,000 inhabitants, Dâmbovița County Council is the regional authority that develops waste policies at county (regional) level. For this purpose, Dâmbovița County Council works with the County's municipalities (Targoviste and Moreni), five towns (Titu, Gaesti, Pucioasa, Fieni, Racari) and a number of 82 communes.

All these entities are brought together by their own will in an Intercommunity Development Association, that has the ability to develop the strategy of the integrated waste management, and also the ability to manage, through a specialized department, the system activities.

This year, Dâmbovița County Council is completing a Waste Management Project that aims to develop the infrastructure of the domestic waste management, to preserve, protect and improve particularly the quality of the environment in the Dâmbovița County and also the Bucharest water supply. The Waste Management Project supports the efforts to implement the European standards in terms of organic waste collection, sorting, transportation, handling and disposal. The target population will be the people in the Dâmbovița County.

The Project introduces the selective collection of the domestic and street waste and its transportation for selection, composting and final disposal in green cells.

The current Interreg Project will support the efforts towards the development of sustainable waste management techniques in the Dâmbovița County, and will introduce new ideas and new ways of working based on the European good practice.



Dudele



Curtea Dumneasca



The Sphinx



Aninoasa

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WASTE to ENERGY

