



Project factsheet - Assessment grid

| PROJECT OVERVIEW | |
|---------------------------|--|
| Project Ref. No. | DRP0200232 |
| Project title | Danube Region Programme |
| Acronym | ESINERGY |
| Priority axis | 2. - A greener, low-carbon Danube Region |
| SO | 2.1 - RenewableEnergy |
| Lead partner | Local energy agency Pomurje |
| Lead partner country | Slovenija (SI) |
| Lead partner legal status | Public |
| Project duration | 30 |
| Total Interreg Funds | 2006475.99 |
| Total Eligible Budget | 2508094.99 |

Project Summary

ESINERGY helps to solve one of the key issues in modern energy technology, this is to manage the imbalance between the generated power and the load into the electrical network, which is not adequate for the forthcoming needs such as rising consumption, energy demand etc. This challenge affects in particular energy providers, grid operators, all energy prosumers e.g. municipalities, companies, farms, households and indirectly regional and national public authorities that should deal with it on the structural and systematic way within the planning potentials. In fact, they are affected to such an extent that the connection of further (larger) PV-systems (energy production systems) is not possible in some areas because the grid already operates at its limit. Partners coming from 12 Danube programme countries will benefit from the investment and project activities. To diminish the barrier they will jointly cooperate in a compromise between local autonomy and centralized decision making. The organizations seek a balance between the pressures to integrate globally and response from a local audience. This is why working together with national/regional /local public authorities, large enterprises, energy agencies, public utility and research organisations who due to the same challenges facilitate creativity, improve productivity and brings better results on the transnational level. Project will introduce first the pilot approaches to reduce the peak loads directly in electrical networks, so that the producers could use the energy for own purposes (heat pumps, energy storages, charging stations, energy communities which can balance quite well differences of generation and demand) and support self-supply. Afterwards, the policy planning referring to peak loads will be improved through transnational strategy so that the measures could be replicated in other areas. All outputs will contribute to the solutions focusing on when the energy is used and to the cost reduction.

LIST OF PROJECT PARTNERS

| No. | Institution name | Country | Total Interreg funds | Total eligible budget |
|-------------|---|----------------|----------------------|-----------------------|
| LEA Pomurje | Local energy agency Pomurje | Slovenija (SI) | 197599.99 | 246999.99 |
| Smart | Smart house, institution for research and | | | |

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|-------------|---|-----------------------------|------------|------------|
| house | sustainable development Martjanci | Slovenija (SI) | 127880.00 | 159850.00 |
| MENEA | Medjimurje Energy Agency Ltd. | Hrvatska (HR) | 130000.00 | 162500.00 |
| MED | Medjimurje County | Hrvatska (HR) | 133600.00 | 167000.00 |
| WEIZ | Energy and Innovation Centre of Weiz | Österreich (AT) | 141200.00 | 176500.00 |
| BAUM | B.A.U.M. Consult GmbH | Deutschland (DE) | 121200.00 | 151500.00 |
| EWH | Electricity Company Hindelang | Deutschland (DE) | 152000.00 | 190000.00 |
| IMRO | IMRO-DDKK Nonprofit Ltd. | Magyarország (HU) | 109600.00 | 137000.00 |
| ZALA | Zala County Self-Government | Magyarország (HU) | 118000.00 | 147500.00 |
| STU | Slovak University of Technology in Bratislava | Slovensko (SK) | 104088.00 | 130110.00 |
| UBBSLA | Union of Bulgarian Black Sea Local Authorities | Bulgaria (BG) | 129600.00 | 162000.00 |
| ARoTT | Romanian Association for Technology Transfer and Innovation | România (RO) | 102000.00 | 127500.00 |
| RARIS | Regional Development Agency Eastern Serbia | Serbia (RS) | 110320.00 | 137900.00 |
| SERDA | Sarajevo economic regional development agency | Bosnia and Herzegovina (BA) | 125388.00 | 156735.00 |
| Eco-fund | Environmental Protection Fund of Montenegro | Crna Gora (ME) | 102000.00 | 127500.00 |
| EECU | Association "Energy Efficient Cities of Ukraine" | Ukraine (UA) | 102000.00 | 127500.00 |
| TOTAL (EUR) | | | 2006475.99 | 2508094.99 |

LIST OF ASSOCIATED PARTNERS

| No. | Institution name | Country |
|-------------|---|-----------------------------|
| LEA Pomurje | Ministry of Infrastructure, Energy Directorate | Slovenija (SI) |
| LEA Pomurje | University of Maribor, Faculty of Energy Technology | Slovenija (SI) |
| MENEA | HEP - Distribution System Operator d.o.o. - Elektra #akovec | Hrvatska (HR) |
| WEIZ | // | Österreich (AT) |
| UBBSLA | Beloslav municipality | Bulgaria (BG) |
| RARIS | Serbian Association of Regional Development Agencies | Serbia (RS) |
| RARIS | National Alliance for Local Economic Development | Serbia (RS) |
| SERDA | Public company Elektroprivreda BiH d.d. - Sarajevo | Bosnia and Herzegovina (BA) |
| Eco-fund | Ministry of Capital Investment of Montenegro | Crna Gora (ME) |

| | | |
|-------|--|-------------------|
| EECU | State Agency for Energy Efficiency and Energy Savings of Ukraine | Ukraine (UA) |
| EECU | "Specialized Energy Technologies" LLC | Ukraine (UA) |
| IMRO | University of Pécs | Magyarország (HU) |
| ARoTT | Regional Development Agency, South West Oltenia | România (RO) |
| ARoTT | Power Plant Craiova | România (RO) |