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CEEI BURGOS

**Best practices on Cleantech, Energy and
Sustainable Development**

Brussels, 27th of January 2010



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46 COMPANIES

4.981 M² OF INCUBATION FACILITIES



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CEEI-BURGOS is formed by the following partners:



- ❖ **AGENCIA DE DESARROLLO ECONOMICO DE CASTILLA Y LEON**
- ❖ **AYUNTAMIENTO DE BURGOS**
- ❖ **DIPUTACIÓN PROVINCIAL DE BURGOS**
- ❖ **CAJA DE BURGOS**
- ❖ **CAJA DE AHORROS DEL CIRCULO CATOLICO**
- ❖ **INSTITUTO TECNOLÓGICO DE CASTILLA Y LEÓN**
- ❖ **ASOCIACIÓN DE JÓVENES EMPRESARIOS**
- ❖ **FEDERACIÓN DE ASOCIACIONES EMPRESARIALES DE BURGOS**

MEMBERSHIP

European Business and Innovation Centre Network (EBN)

National Association of Spanish BICs (ANCES)

**Spanish official network for creation of new companies
under the SLNE regulation (PAIT)**

Spanish R+D+I network (PIDI)

AL-Invest

European Economical Co-operation Association (AECE)

ACTIVITIES I

- **Incubation**
- **Entrepreneur services**
- **SMEs services**
- **Project management**
- **Information**

ACTIVITIES II

- **Training and e-learning**
- **National and International co-operation**
- **Regional, rural and local development: PRODER**
- **Technology based companies and biotechnology**
- **Renewable Energies promotion**

INTERNATIONAL PROJECTS

- ✓ RE – ALTENER and IEE programmes: CORE-BUSINESS, RESINBUIL, BIOBUSINESS, PROBIO
- ✓ AL-INVEST
- ✓ ASIA-INVEST
- ✓ Others: INTERACT, PRO-INVEST, BUSINESS CONECT, EQUALBUR

NATIONAL PROJECTS

RE - LIFE

HYDROSOLAR 21

OTHERS

**BIOANCES, EIBTs, e-Commerce, Telecentros,
PRODER, e-Learning, INTRAEMPRENDER,
SPIN-OFF, FUTURINNOVA**

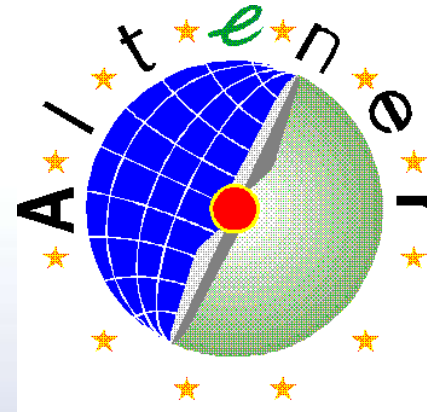
MAIN PROJECTS

CORE-BUSINESS

ALTENER Call for proposals 2002

“CORE-Business”

**Countering Opposition to Renewable Energy and Facilitating
Regional RE Business Development**



Contract Number

4.1030/Z/02-107/2002

PERIOD:

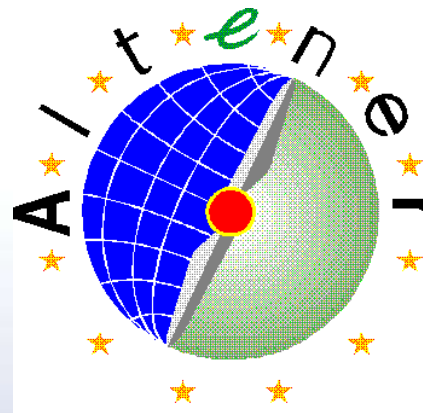
1st Feb 2003 – 31st January 2005

MAIN PROJECTS

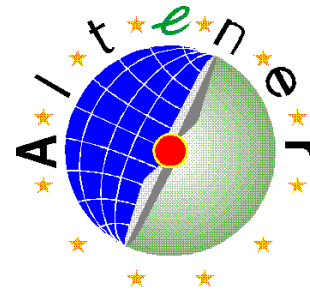
CORE-BUSINESS

PARTNERS:

- Moher Technologies (IRL)
- Fraunhofer ISE (D)
- European Business and Innovation Centre Network (BE)
- National Windpower (IRL)
- Samsøe Energy Company (DK)
- Region of Crete- Regional Energy Agency (GR)
- Green Globe Energy (DK)
- Hydram Technology (IRL)
- Multiss-PEPS (I)
- Shannon Development (IRL)
- Centro Europeo de Empresas e Innovación de Burgos (E)
- INNOSTART Nemzeti Üzleti és Innovációs Központ (HU)
- RIZ- Lower Austria Holding (A)



MAIN PROJECTS



CORE-BUSINESS

OBJECTIVES

Project outcome: A replicable methodology for using economic argument to overcome the social and socio-economic barriers to deployment of RES, as well as a blueprint for RES-related industrial development in remote European areas.

In summary, the overall achievements of CORE-Business were:

- *Studied RE resource in Shannon, SZSZB*
- *Assessed RE industrial potential in Shannon, Samsoe, Crete, Sardinia*
- *Studied international trends in RE enterprise creation and incubator best practice*
- *Studied reasons for RE opposition in Shannon*
- *Prepared RE business action plans for Shannon, Samsoe, Crete, Sardinia, SZSZB, Castilla y Leon, Lower Austria*
- *Undertook socio-economic analysis and economic argument development in Shannon, Crete*
- *Developed a brand for Shannon, SZSZB and Burgos.*
- *Contributed to European Commission Communication “Environmental Technologies Action Plan”*
- *Accelerated formation of 3 Energy Agencies with an enterprise focus, and a RE Academy / Business Centre*
- *Held 6 major workshops and numerous smaller events*
- *Caused at least 6 enterprise incubators to sharpen their focus on RE*
- *Promoted various models for funding and community ownership of RE infrastructure*
- *Supported the initiation of 3 community heating schemes, a biogas plant, solar installations and an offshore wind and wave test site.*
- *Provided enduring contacts between project participants*

MAIN PROJECTS

RESINBUIL



“Resinbuil”

Introduction of Renewable Energies Sources IN BUILDing sectort

Contract Number
EIE 05 - 210

PERIOD: From January 2006 to February 2008

PROJECT SUMMARY

MAIN OBJECTIVE OF THE PROJECT:

Promotion of the use and installation of small scale **renewable energy sources** appliances in buildings, especially solar and biomass energy.

MAIN OUTPUT OF THE PROJECT:

Significant **boost in rate of installment** of small scale res applications in buildings in close **cooperation with companies** and **local authorities**

CONSORTIA:

EIGHT partners from **FOUR** different countries.



RESULTS

- Increase of the **renewable energies** production at local level, specially those powered by the **solar and biomass renewable energy**.
- **Cooperation** between **enterprises** and **administration** in the installation of renewable energies in building sector
- **Diversification** of the **energy consumption**
- Creation of the ground conditions for the easier application of the **eu buildings directive**
- **Reduction** of the **contamination rate**
- **Market oportunities**
- **Job creation**



PARTNERS

- Universidad de Burgos
- Asociación para la gestión del CEEI-Burgos
- Integral de Sistemas del Norte, S.L
- Razvojna Agencija Sinergija
- RE-ING, Brdnik Jože s.p
- Agenzia Provinciale per l'Energia e L'ambiente di Trapani Srl
- Harghita Energy Management Public Service





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MAIN PROJECTS

PROBIO



“Probio”

Integrated promotion of the biodiesel chain

Intelligent Energy



Europe



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THE PROJECT

MAIN FEATURE

PROBIO focuses on promoting the **integration between production and consumption in the biodiesel supply chain** in EU countries. This will be achieved by means of a **three-pronged strategy** based on:

- The development of a NEW MARKET
- PROMOTION ACTIVITIES
- Supporting TRAINING ACTIONS

EXPECTED OVERALL RESULT

The partners aim to increase the consumption of biodiesel to a 4-5% in 2010 in the participant European provinces/regions.



Key word

INTEGRATION



AIMS ACHIEVED AND LESSONS LEARNT

Although the Project started in January 2007, the kick-off meeting took place in March 2007, so it's too early to draw concrete lessons. Nevertheless, during the development of the first tasks of the Project we have noticed different facts:

Study of the current rate of biodiesel use → Big differences between the participant provinces/regions. Low rates.

High interest of local actors (farmers, producers, distributors, potential consumers, local authorities) in the promotion of the biodiesel chain → Successful Expert Panel Meetings

Disappointment in agriculture sector with European subventions for energy crops → We need to work hard with this sector if we want to promote local raw material

Despite the fact that biofuels are becoming “fashionable” in Media, we notice an absence of clear information for citizens



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MAIN PROJECTS

BIOBUSINESS



“BioBusiness”

Business opportunities in Biomass sector for SMEs

Intelligent Energy



Europe

WHAT AND WHERE? I

PROJECT TITLE: BIOBUSINESS

Business opportunities in Biomass sector for SMEs

BUDGET: 572.073 €

MAIN OBJECTIVE

Biobusiness will focus on the creation and growth of biomass related enterprises as the basis for economic regeneration of the regions concerned, including its most depressed rural areas.

WHAT AND WHERE? II

GEOGRAPHICAL COVERAGE

Burgos-Castilla y León (Spain), Brandenburg and Northern Thuringia (Germany), Pomurje (Slovenia), Central Hungary (Hungary) and Tampere (Finland).

CONSORTIUM

CEEI-Burgos (Lead partner) and Agenbur (Spain), Hermia (Finland), BIC Nordthüringen and BIC Frankfurt-Oder (Germany), INNOSTART (Hungary) and SINERGIJA (Slovenia).



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WHY, TO WHOM?

Biobusiness refers to the complete value chain of biomass sector.

Target groups: Entrepreneurs, SMEs and promoters; Private investors, Citizens; Community representatives, Industrial and Service-related SMEs; Municipalities and Governments, Energy Management Agencies; Industrial Development Agencies.

Main barriers/problems: Rural development, CO₂ emissions, legislative frameworks, technological innovation, increase in competitiveness of SMEs, propagation of the RES culture among citizens.

Main beneficiaries: Entrepreneurs, SMEs, Promoters, Farmers, Private investors, Citizens.



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HOW?

Work programme: Six Work Packages

Activities foreseen:

- Information gathering
- Detection of business opportunities for entrepreneurs and SMEs
- Development of regional biomass business development action plans
- Communication and Dissemination

WHAT IS IT IMPORTANT TO COMUNICATE?

- Potential biomass sources
- Technology transfer opportunities
- Business opportunities
- Best practices in biomass related sector for entrepreneurs and SMEs
- Models of regulations
- Co-operation among SMEs
- Impact on
 - Business creation /extension
 - Jobs creation
 - ↓ Direct
 - ↘ Indirect



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DISSEMINATION EVENTS I

- **Workshop in Frankfurt** (Oder) (Germany) on 14th November 2007 organized by BIC-Frankfurt (Oder).
- **Workshop in Sondershausen** (Germany) on 22nd February 2007 organized by BIC-Nordthuringen.
- **Workshop in Budapest** (Hungary) on 21st January 2008 organized by INOSTART.
- **Workshop in Burgos** (Spain) on 21st May 2009 organized by CEEI-Burgos.
- **Workshop in Martjanci** (Slovenia) on 26th March 2008 organized by Sinergija.
- **Workshop in Tampere** (Finland) on 29th May 2008 organized by Hermia.



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DISSEMINATION EVENTS II



- **Symposium Renewable Energy Sources** – in Ljubijana (Slovenia) on 20th March 2007. Presentation delivered by Sinergija.
- **Expobioenergia 2007** – in Valladolid (Spain) on 25th/26th October 2007. Presentation delivered by CEEI-Burgos and AGENBUR.
- **Expobioenergia 2008** – in Valladolid (Spain) on 17th/18th October 2008. Presentation delivered by CEEI-Burgos.
- **European Business Network Annual Congress 2008**, held in Budapest (Hungary) on 25th to 27th of May 2008. CEEI-Burgos hired a booth and disseminated the project.
- **Renexpo Fair 2009** – in Budapest (Hungary) on 17th of April 2009. In the framework of this trade fair Innostart disseminated the project.
- **Slobiom 2009 Conference** – in Ljubijana (Slovenia) on the 12th of March 2009. Presentation delivered by Sinergija.



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INTERNATIONAL BUSINESS FORUMS I

- Valladolid (Spain) on 16th and 17th of October 2008 organized by CEEI-Burgos in the framework of Expobioenergia 2008.
- Ji Nan (China) on 24th to 26th of September 2008 organized by Hermia in the framework of the Fourth Cooperation and Exchange Convention of Overseas Chinese Enterprises in Science and Technology Innovation.
- Tallin (Estonia) on 16th to 20th of March 2009 organized by BIC-Nordthuringen in the framework of the “Baltic Journey” with the German-Baltic Chamber of Commerce.
- Bergen (Norway) on 26th to 29th of April 2009 organized by BIC-Nordthuringen in the framework of the “Norway Journey” with the Thuringia County Development Agency.



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INTERNATIONAL BUSINESS FORUMS II

- Gorzów (Poland) on 30th and 31st of May 2008 organized by BIC Frankfurt (Oder) in the framework of the first Ecological Fair.
- Budapest (Hungary) on 13th and 14th of October 2008 organized by INNOSTART in the framework of Ökotech Fair.
- Budapest (Hungary) on 16th and 17th of April 2009 organized by INNOSTART in the framework of Renexpo Fair.
- Gornja Radgona (Slovenia) on the 30th of August 2007 organized by Sinergija in the framework of the International Fair of Agriculture and Food 2007.



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MAIN IMPACTS

- **Website** **19085 hits (13/09/2009)**
- **New direct and indirect employments triggered off** **169**
- **Creation of extension of new business triggered off** **37**
- **Indications of commitment from Public Administrations** **13**



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WEBSITE

www.euro-biomass.com

MAIN PROJECTS

HYDROSOLAR 21



“HydroSolar 21”

**Production and storage of energy by using hydrogen technology,
and the production of solar cooling**

PERIOD: From December 2005 to May 2009

MAIN PROJECTS

HYDROSOLAR 21



HydroSolar 21 is an energy innovation project developed in Burgos, under the coordination of the Asociación Plan Estratégico of Burgos and with the active support of the research team of the University of Burgos and the collaboration of Instituto de la Construcción, Instituto Tecnológico de Castilla y León, City Council of Burgos, Agencia Provincial de la Energía and Business and Innovation Centre of Burgos (CEEI Burgos).

Main goals of this project are the production and storage of energy by using hydrogen technology, and the production of solar cooling. In accordance with this two action lines are developed:

- Photovoltaic and Wind energy application to produce hydrogen through the electrolysis of water and its storage as fuel.
- Application of adsorption processes feeded by solar energy in order to produce cold and the subsequent refrigeration of the building.

PARTNERS

HYDROSOLAR 21



- Ayuntamiento de Burgos
- Asociación Plan Estratégico Ciudad de Burgos
- Instituto Tecnológico de Castilla y León
- Centro Europeo de Empresas e Innovación de Burgos
- Instituto de la Construcción de Castilla y León
- Agencia Provincial de la Energía de Burgos



OTHERS PROPOSALS

BIOMANAGER

“BioManager”

Transformation of farmers into Biomanagers

New and renewable energy sources (ALTENER) – Renewable energy heating/cooling (RES-H/C)

OTHERS PROPOSALS

BIOMANAGER

Project summary

Transformation of farmers into "biomanagers", in order to promote and foster business and managing opportunities for farmers using local available biomass resources.

Rejected in call 2009

OTHERS PROPOSALS

GEOMARKET

“GeoMarket”

Fostering the Geothermal market in the regions

OTHERS PROPOSALS

GEOMARKET

Project summary

Analyzing the business and market opportunities within geothermal sector, all along the value chain, specially aiming at entrepreneurs and SMEs. Communicating geothermal applications, both low and high enthalpy, among the participant regions, to the target groups.

Stage: Preparation phase. To be put forward in 2010 call.



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Thank you

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