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Project Acronym: ASTECH

Project title: Advanced sustainable energy technologies for cooling and heating applications

Instrument: Specific Support Action

Thematic Priority: Priority 6.1 “Sustainable Energy Systems”

DELIVERABLE 2.2 “A list of technology resource centres in Europe”

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Project coordinator name:
Bernard Thonon

Project coordinator organisation name:
ASSOCIATION GRETh (GRETh)

Revision:



SIXTH FRAMEWORK PROGRAMME

SUMMARY (English)

This documents collects and presents a list of 200 resource centres in Europe (24 countries) the field of renewable heating and cooling technologies. The document is available as a PDF or EXCEL file.

name	english name	address1	address2	Country	telephone-fax	website	contact name (optional)	description (english) 50-1000 words	description (national language) 50-1000 words
QENDRA PER EFICENCEN E ENERGJISE SHQIPERIE	Albania-EU Energy Efficiency Centre	Blv "Zhan d'Ark" Nr. 2 - Tirana		Albania	Tel: 00355 4 233835 Fax: 00355 4 233834	www.eec.org.al	info@eec.org.al	The Albania-EU Energy Efficiency Centre (EEC) began as an action under the SYNERGY Programme in April 1993 and was officially established in November 1995 with the full support of European Commission and Albanian Government. By establishing EEC, the Albanian Government has fulfilled part of its commitment under "The Protocol of the Energy Charter Treaty for Energy Efficiency and the Environmental Aspects concerned with it", which Albania signed in 1995. EEC collaborates with other countries to promote and improve the energy efficiency of the Albanian economy and to protect the environment. EEC provides the technical and other expertise to make this possible. It also promotes the use of renewable energy sources. EEC is the only specialised institution in Albania that works in the above mentioned fields, and now it has become a self-financed organisation through providing services in the field of the rational use of energy, renewable energies, and its involvement in various programs and activities with the support of the Albanian Government and European Commission.	Qendra per eficencen e energjise Shqiperie - BE (EEC) lindi nen Programin SYNERGY ne Prill te vitit 1993 dhe u krijua zyrtarisht ne Nentor te 1995 me mbeshjetjen e plote te Komisionit Europian dhe Qeverise Shqiptare. Me krijimin e EEC, Qeveria Shqiptare permbushje pjese te detyrimit te marre me nenshkrimin e "Protokolit te Energjise e Karten e Traktatit per Eficencen Energjetike dhe Aspektet Ambientale" ne 1995. EEC bashkepunon me shtete te tjera ne promovimin dhe permesimin e efencences energjetike te ekonomise shqiptare dhe ne mbrojtjen e ambientit. EEC ofron eksperte teknike dhe te llojeve te tjera per te bere kete te mundur. Promovon gjithashtu perdorimin e burimeve te energjise se rinoveshme. EEC eshte i vetmi institucion i specializuar ne Shqiperi qe punon ne fushat e siperdendura, dhe tashme eshte kthyer ne nje organizim i vete financuar nepermeti prodhimit te sherbimeve ne fushen e perdorimit racional te energjise, energjise se rinoveshme, dhe perfisherjen e saj ne programe dhe aktivite te ndryshme me mbeshjetjen e Qeverise Shqiptare dhe Komisionit Europian.
Energieinstitut Vorarlberg	Energy Agency Vorarlberg	Stadstrasse 33 /CCD A-6850 Dornbirn	Stadstrasse 33 /CCD A-6850 Dornbirn	Austria	Ph: +43 5572 31202 Fax: +43 5572 31202 4	http://www.energieinstitut.at	E-Mail: info@energieinstitut.at	Type of Organisation: Regional Energy Agency - Objectives Using of energy will be maximised at all sectors. Projecting with ecological products. Energy supply will be provided with minimal negative effects on human and environment. Energy consumer will act sustainable and efficient. - Working It is mainly an institute for advising, accompanying, researching, developing and informing. It's spheres of action are innovative, sustainable and renewable energy technologies.	Organisation für: Regionale Energieagentur - Ziele Energieverwendung wird in allen Bereichen maximiert. Bauen mit ökologischen Produkten. Die Energieversorgung ist mit minimalen negativen Einflüssen auf Mensch und Umwelt bereitgestellt. Energieverbraucher verhalten sich nachhaltig. - Arbeitsbereiche Hauptsächlich zuständig als Institut für Beratung, Begleitung, Forschung, Entwicklung und Information. Die Geschäftsfelder sind innovative, nachhaltige und erneuerbare Energietechnologien.
Fachhochschule Campus Wien	University of applied Sciences Campus Vienna	Daumegasse 3, 1. Stock A-1100 Wien	Daumegasse 3, 1st floor A-1100 Vienna	Austria	Ph.: +43 1 6066877 100 Fax: +43 16066877 109	http://www.fh-campuswien.ac.at	E-Mail: office@fh-campuswien.ac.at	Type of Organisation: University of applied Sciences - Bachelor programs Applied Electronics, Information Technologies and Telecommunication, High Tech Manufacturing, Integrated Safety and Security Management, Civil Engineering and Construction Management, Bioengineering, Molecular Biotechnology, Biomedical Laboratory Science, Diagnostics, Occupational Therapy, Midwifery, Logopedics Phoniatrics Audiology, Orthoptics, Physiotherapy, Radiological Technology, Social works - Master programs Technical Management, IT-Security, Network Systems, High Tech Manufacturing, Sustainability in Civil Engineering, Construction and Completion of Largescale International Projects, Bioprocess Technology, Biotechnological Quality Management, Bioinformatics, Molecular Biotechnology, Chemistry of Active Substances, Spatial and Clinical Social Work, Social Economy and Social Work	Organisation für: Fachhochschule Campus Wien - Bachelor Studien Angewandte Elektronik, Informationstechnologien und Telekommunikation, High Tech Manufacturing, Integriertes Sicherheitsmanagement, Bauingenieurwesen Baumanagement, Bioengineering, Molekulare Biotechnologie, Gesundheits- und Krankenpflege, Biomedizinische Analytik, Diätologie, Ergotherapie, Hebammen, Logopedie Phoniatrische Audiologie, Orthoptik, Physiotherapie, Radiologietechnologie Soziale Arbeit - Master Studien Technisches Management, IT-Security, Vernetzte Systeme, High Tech Manufacturing, Corporate Security and Risk Management, Nachhaltigkeit in der Bautechnik, Bautechnische Abwicklung internationaler Großprojekte, Bioverfahrenstechnik, Biotechnologische Qualitätsmanagement, Bioinformatik, Molekulare Biotechnologie, Wirkstoffchemie, Sozialraumorientierte und klinische soziale Arbeit, Sozialwirtschaft und soziale Arbeit
Fachhochschule Technikum Wien	University of applied Sciences Technikum Wien	Höchstädplatz 5 A- 1200 Wien	Hochstaedplatz 5 A- 1200 Vienna	Austria	Ph.: +43 1 3334077-323 Fax: +43 1 3334077 -322	http://www.technikum-wien.at	Martin Kimmel, Director E-Mail: martin.kimmel@technikum-wien.at	Type of Organisation: University of applied sciences Study programs: - Bachelor programs: Biomedical Engineering - Business Informatics - Computer Science - Electronics/Business - Electronics - ICSS Information and Communication Systems Intelligent Transportsystems - International Business Engineer - Mechatronics/Robotics - Renewable Urban Systems - Sports Equipment Technology - Master programs: Biomedical Engineering Sciences - Business Informatics - Embedded Systems - Environmental Engineering and Management - Healthcare and Rehabilitation Technology - Industrial Electronics - Information Management and Computer Security - Innovation and Technology Management - Intelligent Transportsystems - International Business Engineer - Mechatronics and Robotics - Multimedia & Software Engineering - Sports Equipment Technology - Telecommunications and Internet Technologies	Organisation: Fachhochschule Technikum Wien Studiengänge: - Bachelor Studiengänge: Biomedical Engineering - Wirtschaftsinformatik - Computerwissenschaften - Elektronik/Wirtschaft - Elektronik - Informations und Kommunikationssysteme - Intelligent Transportsystems - Internationales Wirtschaftsingenieurwesen - Mechatronik/Robotik - Erneuerbare urbane Energietechnologien - Sports-Equipment Technology - Master Studiengänge: Embedded Systems - Industrielle Elektronik - Informationsmanagement und Computersicherheit - Innovations- und Technologiemanagement - Internationales Wirtschaftsingenieurwesen - Mechatronik und Robotik - Technisches Umweltmanagement - Telekommunikation und Internettechnologien - Wirtschaftsinformatik - Biomedical Engineering Sciences - Erneuerbare Urbane Energiesysteme - Game Engineering und Simulation - Gesundheits- und Rehabilitationstechniken
FH Burgenland	University of applied Sciences Burgenland	Campus 1 A-7000	Campus 1 A-7000	Austria	Ph.: +43 5 9010 609 0 Fax: +43 5 9010 609 15	http://www.fh-burgenland.at	E-Mail: office@fh-burgenland.at	Type of Organisation: University of applied Sciences - Bachelor programs Energy and Environmental Management, International Business Relations, International Wine Management, Information Management, Internet Technologies, Health Management and Health Promotion, Management in the Health Sector - Master programs International Business Relations, International Wine Marketing, European Studies Management of EU Projects, Human Resource Management and Industrial Law CEE, Applied Knowledge Management, Building Technology and Building Management, Energy and Environmental Management, Sustainable Energy Systems	Organisation für: Fachhochschule Burgenland - Bachelor Studien Internationale Wirtschaftsbeziehungen, Internationales Weinmanagement, Informationsberufe, Internettechnologien, Energie- und Umweltmanagement Gesundheitsmanagement und Gesundheitsförderung - Master Studien Internationale Wirtschaftsbeziehungen, Internationales Weinmanagement, Europäische Studien - Management von EU Projekten, Human Resource Management und Arbeitsrecht MOEL, Angewandtes Wissensmanagement, IT-Security, Information and Communication Solutions, Energie und Umweltmanagement, Gebäudetechnik und Gebäudemanagement, Nachhaltige Energiesysteme, Management im Gesundheitswesen

FH Oberösterreich	Upper Austria University of Applied Sciences	Stelzhamerstraße 23 A-4600 Wels	Stelzhamerstrasse 23 A-4600 Wels	Austria	Ph.: +43 7242 44808 0 Fax: +43 7242 44808 77	http://www.fh-ooe.at	Management E-Mail: info@fh-ooe.at	Type of Organisation: University of applied sciences - Bachelor programs Automation Engineering, Bio and Environmental Technology, Innovation and Product Management, Mechanical Engineering, Materials and Processing Engineering, Eco Energy Engineering, Process Engineering and Production, Product Design and Technical Communication, Process Engineering and Production - Master programs Automation Engineering, Plant Engineering, Innovation and Product Management, Mechanical Engineering, Materials and Processing Technology - Diploma programs Mechatronics and Business Management	Organisation für: Fachhochschule Oberösterreich Kampus Wels - Bachelor Studien Automatisierungstechnik, Bio- und Umwelttechnik, Innovations- und Produktmanagement, Entwicklungsgenieur Maschinenbau, Material- und Verarbeitungstechnik, Öko-Energie-technik, Verfahrenstechnische Produktion, Produktdesign und technische Kommunikation - Master Studien Anlagenbau, Bio- und Umweltmanagement, Automatisierungstechnik, Entwicklungsgenieur Maschinenbau, Innovations- und Produktmanagement, Material- und Verarbeitungstechnik, Öko- Energie-technik - Diplom Studien Mechatronik/Wirtschaft
Joanneum Research Forschungsgesellschaft mbH	Joanneum Research Forschungsgesellschaft mbH	Sleyergasse 17-19, 25a A-8010 Graz	Sleyergasse 17-19, 25a A-8010 Graz	Austria	Ph.: +43 316876 0 Fax: +43 316876 1181	http://www.joanneum.at	E-Mail: pr@joanneum.at	Type of Organisation: Research Center - Objectives Providing companies with a competitive edge while ensuring a secure future and a better quality of life for society as a whole. - Mission Developing and improving products and processes in the fields of geological sciences and the environment, biotechnology and environmental technology, electronics and information processing, materials and processing as well as economy and technological development.	Organisation für: Forschungszentrum - Ziele Wettbewerbsvorteile für die Wirtschaft und der Gesellschaft eine gesicherte Zukunft und höhere Lebensqualität. - Aufgaben Entwicklung und Verbesserung von Produkten und Verfahren in den Bereichen Geowissenschaften und Umwelt, Biotechnologie und Umwelttechnik, Elektronik und Informationsverarbeitung, Werkstoffe und Verarbeitung sowie Wirtschaft und Technologie.
Management Center Innsbruck	Management Center Innsbruck	Universitätsstraße 15 A-6020 Innsbruck	Universitaetsstrasse 15 A-6020 Innsbruck	Austria	Ph.: +43 512 2070 0 Fax: +43 512 2070 1099	http://www.mci.edu	E-Mail: office@mci.edu	Type of Organisation: University of applied Sciences - Bachelor programs Engineering, Environmental and Biotechnology, Environmental and Process Engineering, Management Communication and IT, Management and Law, Mechanical Engineering and Mechatronics, Nonprofit, Social and Health Care Management, Social Work Tourism and Business Studies - Magister programs Business and Management - Master programs Engineering, Environmental and Biotechnology, Entrepreneurship and Tourism, Industrial Engineering and Management International Business and Law, International Health Care Management, Management Communication and IT, Mechanical Engineering and Mechatronics, Social Works, Social policy and Management.	Organisation für: Fachhochschule Innsbruck - Bachelor Studien Management, Kommunikation und IT, Management und Recht, Maschinenbau und Mechatronik, Nonprofit-, Social- und Gesundheitsmanagement, Soziale Arbeit, Tourismus- und Freizeitwirtschaft, Umwelt-, Verfahrens- und Biotechnologie, Umwelt-, Verfahrens- und Regeltechnik - Diplomstudien Wirtschaft und Management - Master Studien Entrepreneurship and Tourism, International Business and Law, International Health Care Management, Management Communication and IT, Maschinenbau und Mechatronik, Soziale Arbeit, Sozialpolitik und Management, Umwelt-, Verfahrens- u Biotechnologie, Wirtschaftsingenieurwesen
Oberösterreichische Energiesparverband	O.Oe. Energiesparverband	Landstraße 45 A-4020 Linz	Landstraße 45 A-4020 Linz	Austria	Ph.: +43 7327720 1438 0 Fax: +43 7327720 1438 3	http://www.esv.or.at	E-Mail: office@esv.or.at	Type of Organisation: Regional Energy Agency - Objectives Promotion of energy efficiency, renewable energy sources and innovative energy technologies. Helping of energy consumers for using energy more efficiently. - Services Energy information and public awareness, Energy advice and auditing for private households, business and institutions, European projects, Sustainable buildings programmes for low energy construction and retrofitting, Training and Education, Third Party financing Programme for public buildings, Regional R&D energy technology programme, Local/Regional energy plans, Establishment and co-operation with the energy centre Ceské Budejovíc	Organisation für: Regionale Energieagentur - Ziele Förderung des effizienten und umweltschonenden Energieeinsatzes, Nutzung neuer Technologien, Nutzung heimischer, erneuerbarer Energieträger, Aus- und Weiterbildung, Europäische und internationale Projekte - Arbeitsschwerpunkte und Serviceangebote Energieberatung, Energiespartelefon, Internet, Verbreiterung von Energieinformationen/Public Awareness, Abwicklung der erhöhten Wohnbau-Förderung für energiesparendes Bauen und Sanieren, Energieausweise, Aktivitäten in und mit Gemeinden/Bezirken, Energiekonzepte, Aus- und Weiterbildung, Energietechnologien, Energie-Technologie-Programm, Energie-Contracting, Ökoenergie-Cluster, Fachliche Unterstützung für Politik und die öffentliche Verwaltung, Ganzheitliche Beratung, Europäische und Internationale Projekte
Osterreichische Energieagentur	Austrian Energy Agency	Otto-Bauer-Gasse 6 A-1060 Wien	Otto-Bauer-Gasse 6 A-1060 Vienna	Austria	Ph.: +43 1586 1524 27 Ph.: +43 1586 1524 32 Fax: +43 1586 1524 40	http://www.energyagency.at	Kristin Harrich or Sylvia Tanzer	Type of Organisation: National Energy Agency - Objectives Promotion of rational use of energy and a simulation of renewable energy sources and of innovative technologies - Topics Contracting; Energy Efficient Technologies; Electricity and District Heating; Energy in the public sector, cities and municipalities; Energy efficient appliances and consumer behaviour; Energy statistics, energy prices and tariffs; Energy economic energy policies, research and development policy; Renewable energy; Financing models, third party financing, subsidies; Fossil fuels; Buildings and space heating Trade and industry; International energy partnerships and co-operations; Climate protection and environmental protection; Mobility	Oranisation für: Energieagentur - Ziele Energiesparen, rationeller Energieeinsatz, Vermeidung unnötigen Energieverbrauchs - Themen Contracting; Effiziente Energietechnologien; Elektrizität- und Fernwärme; Energie im öffentlichen Sektor, Städte, Bundesländer; Energieeffiziente Produkte und Nutzerverhalten; Energiestatistik; Energiepreise und Tarife; Energiewirtschaft, Energiepolitik, Forschungspolitik; Erneuerbare Energie; Finanzierungsmodelle, Contracting, Förderungen; Fossile Energieträger; Gebäude und Raumwärme; Industrie und Gewerbe; Internationale Energiepartnerschaften und Kooperationen; Klimaschutz und Umweltschutz; Mobilität

Osterreichisches Forschungs- und Prüfzentrum Arsenal Ges.m.b.H.	Austrian research and Testing Center Arsenal Ges.m.b.H.	Giefinggasse 2 A- 1210 Wien	Giefinggasse 2 A- 1210 Vienna	Austria	Ph.: +43 50550 - 6310 Fax: +43 50550 - 6590	http://www.arsenal.ac.at	Katharina Placho, Secretary/Assistant to the Managing director E-Mail: gf@arsenal.ac.at	Type of Organisation: Austrian research and testing center Business fields: - Transport technologies Development of traffic telematic solution to make traffic on roads and tracks safer, more comfortable and more efficient Innovative telematic systems to monitor, predict and control traffic flows - Transport routes engineering Risk analysis and preservation planning of traffic infrastructure Registration of road conditions on the highest technical level combined with more traffic relevant data to achieve telematic solutions - Human centered mobility technologies To simplify and improve human mobility technologies are being development for the analysis and optimisation of pedestrian flow - Monitoring, energy and drive technologies Focused on development of innovative monitoring and diagnosis systems for more efficient, safe and reliable electrical machines - Sustainable energy systems Development of innovative concepts for the integration of sustainable technologies into the energy supply of buildings, municipalities and regions. Especially the development and creation of heating, climatisation and climate technologies are the - Renewable energy systems Using solar radiation for the generation of heat and power. The main aspect is the into the electric-networks to guarantee high quality and safety of electricity supply	Geschäftsfelder: - Verkehrstechnologien: Moderne Verkehrstelematiklösungen, um den Verkehr auf Straße und Schiene sicherer, komfortabler und effizienter zu gestalten Innovative Telematiksysteme zur Erfassung, Prognose und Steuerung von Verkehrsströmen. - Verkehrswege Risikoanalyse und Erhaltungsplanung von Verkehrsstruktur. Straßenzustandserfassung auf höchstem technischen Niveau und deren Verknüpfungen mit weiteren verkehrsrelevanten Daten zu intelligenten Telematiklösungen - Human Centered Mobility Technologien Zur Vereinfachung und Verbesserung der menschlichen Mobilität werden daher Technologien zur Analyse und Optimierung von Fußgängerströmen entwickelt. - Monitoring, Energie- und Antriebstechnik Entwicklung von Monitoring- und Diagnosesysteme für mehr Effizienz, Sicherheit und Zuverlässigkeit im Einsatz elektrischer Maschinen und Anlagen. - Nachhaltige Energiesysteme Entwicklung innovativer Konzepte für die Integration nachhaltiger Technologien in der Energieversorgung von Gebäuden, Gemeinden und Regionen. Insbesondere werden in der Heizungs-, Lüftungs- und Klimatechnik zukunftsichere Konzepte entworfen. - Erneuerbare Energietechnologien Die Forschungs und Entwicklungs- Aktivitäten in diesem Bereich konzentrieren sich
Technische Universität Graz Institution für Wärmetechnik	Technical University Graz Institute for heat technologies	Inffeldgasse 25/B A-8010 Graz	Inffeldgasse 25/B A-8010 Graz	Austria	Ph.: +43 316 873 7301	http://www.tugraz.at	E-Mail: office.iwt@tugraz.at Secretariat: gerhard@TUGraz.at	Type of Organisation: Institute of an University - Requirements Heat Technology, Heating, Ventilation and Air-conditioning technics, Energy and Environmental Measure and Experimental Engineering, Numerical Processes in Energy Technologies - Choose programs Biomass Technology for Sustainable Energy Supply, Energy Economy, Energy and Environment, Energy System Analysis, Far and Close Heating Systems, Gasapplication and Fuel cell technology, Basics of Building Technology, Ecology - Energy, Rational Energy Usage, Solar Construction, Solar Energy Usage, Heat Pump Technology	Organisation für: Institut an der Universität Graz - Pflichtfächer Wärmetechnik, Heizungs-, Lüftungs- und Klimatechnik, Energie- und umwelttechnisches Mess- und Versuchswesen, numerische Verfahren in der Energietechnik - Wahlfächer Biomassetechnologien für eine nachhaltige Energieversorgung, Energiewirtschaft, Energy and Environment, Energy Systems Analysis, Fern- und Nahwärmesysteme, Gasanwendungs- und Brennstoffzellentechnik, Grundlagen der Gebäudetechnik, Ökologie - Energie, Rationelle Energienutzung, Solares Bauen, Sonneneenergienutzung, Wärmepumpentechnik
Centre Scientifique et Technique de la Construction - CSTC Wetenschappelijk en Technisch Centrum voor het Bouwbedrijf - WTCB	Belgian Building Research Institute - BBRI	Rue du Lombard 42 B-1000 BRUXELLES		Belgium	Tel : +32 (0)2 5026690	http://www.bbri.be/	e-mail: info@bbri.be	The Belgian Building Research Institute is a private research institute founded in 1960 under impulse of the National Federation of Belgian Building Contractors in application of the so-called "De Grootte" decreelaw of 1947. Specifically, this decree- law named after the former Minister of Economic Affairs aimed at promoting applied research in industry order to improve its competitiveness. In application of this law the statutory contributing members of BBRI are the more than 65 000 Belgian construction companies (general contractors, carpenters, glaziers, plumbers, roofers, floorers, plasterers, painters, etc.) most of which are SMEs. According to its statutes BBRI has the following three main missions: - to perform scientific and technical research for the benefit of its members - to supply technical information, assistance and consultancy to its members - to contribute in general to innovation and development in the construction sector in particular by performing contract research upon request of the industry and the authorities. To fulfil its mission BBRI pools on the expertise of some 200 highly skilled and moti	
Université de Liège	University of Liège Mechanical Engineering Department – Applied Thermodynamics	Campus du Sart Tilman- Bât: B49 - P33 B-4000 Liege Belgium		Belgium		http://www.labohtap.ulg.ac.be/cmsms/	Pr Jean Lebrun Email: thermoap@ulg.ac.be	SITE EXPERIMENTS Contribution to the IEA ECBCS projects on commissioning (Annex 40) and on validation of simulation models (Annex 43). Benchmarking of the AUDIT of HVAC systems (AUDITAC project). Continuation of the re-commissioning of the CA-MET building (Namur). Energy evaluation of new residential buildings projects. Evaluation of the thermal loads applied to a new railway station. THEORETICAL AND EXPERIMENTAL STUDIES ON REFRIGERATION EQUIPMENT Testing and modelling of refrigeration systems for vehicles. Testing and modelling of air dryers. THEORETICAL AND EXPERIMENTAL STUDIES ON OTHER THERMAL MACHINERY AND THERMAL SYSTEMS Testing and modelling of compressors and air dryers. Analysis of cooling techniques applicable to internal combustion and fuel cells engines. Preliminary study of a (positive displacement) expander to be used in a low-power Rankine Cycle. Analysis of various possibilities of energy recovery with Rankine cycles. COMBUSTION	

Ecole Polytechnique de Louvain – U de Louvain - Département de mécanique – Unité de Thermodynamique	University of Louvain	UCL – EPL – MECA - TERM - Place du Levant, 2 B-1348 Louvain-la-Neuve (Belgique)		Belgium	Tél: + 32 (0)10 47 22 00 Fax : + 32 (0)10 45 26 92 Tél: + 32 (0)10 47 22 00 Fax : + 32 (0)10 45 26 92	http://www.term.ucl.ac.be/	Pr Dr Ir Grégoire Winkelmans or Catherine Maréchal Professeur Dr. Ir. Grégoire Winkelmans -		Analyse du comportement des combustibles lors de la gazéification Production intégrée d'électricité à partir de biomasse au BURKINA FASO Analyse du cycle de vie (Life Cycle Analysis) des filières bois-énergie - WOODSUSTAIN Appui à la formation et à la recherche en énergies renouvelables à l'école polytechnique de Yaoundé - YAOUNDE Modélisation de la gazéification de biomasse en lit fluidisé circulant - BIOGAMES Conception et réalisation d'un gazogène de grande puissance - MEGAZO Valorisation des bois pollués par gazéification - WWCOGEN Cogénération : Potentiel de cogénération et trigénération de faible puissance - Impacts Energie - Environnement - Economie Potentiel microcogénération domestique (<10kWe) - MICRO Veille technologique trigénération en europe - CHAPNET Biomasse et cogénération : Production d'électricité décentralisée à partir de cultures énergétiques - TTCR Développement d'une unité de production combinée d'électricité et de chaleur de 300 kWe REGAL Politique énergétique : Analyse des politiques de promotion des énergies renouvelables - SOLAR ROADMAP Contribution des certificats verts au développement des énergies renouvelables en Guide technique biomasse énergie - réalisation d'une nouvelle édition - IEPF Réseau experts européens gazéification bois - GASNET
Българска академия на науките Централната лаборатория по слънчева енергия и нови енергийни източници	Bulgarian Academy of Sciences Central Laboratory of Solar Energy and New Energy Sources (CLSENES)	Sofia 1784 72, Tzarigradsko Shosse Blvd.		Bulgaria	tel./fax: +359 2 8754016	www.senes.bas.bg	vitanov@phys.bas.bg solar@phys.bas.bg	The Central Laboratory of Solar Energy and New Energy Sources (CL SENES) to the Bulgarian Academy of Sciences (BAS) was founded as a separate scientific institution with a decree of the Council of Ministers of Bulgaria dated 1.07.1977. Founder and first director of CL SENES was Prof. Stefan Kanev, D.Sc., Corresponding Member of BAS (Director from 1978 until 1993). During this period research on photovoltaic and photothermal conversion of solar energy was started group working on the application of passive elements in architecture was created. CL SENES was one of the founders in 1978 of a UNESCO European Centre of Solar Energy and its director was chairman of the Executive Committee during the period 1982 - 1985. The scientists in CL SENES are leaders in solar energy research in Bulgaria. Their efforts are focused in several directions such as: • New materials preparation and study; • Development of new technological processes for highly effective solar energy converters; • Photovoltaic and solar thermal system design. The staff is involved in demonstration and research projects in cooperation with nu	Централната лаборатория по слънчева енергия и нови енергийни източници (ЦЛ СЕНЕИ) към Българската академия на науките като самостоятелно научно звено е основана с постановление на Министерски съвет от 1.07.1977г. Основател и първи директор на ЦЛ СЕНЕИ е чл.-кор. проф. д-н Стефан Канев (директор от 1978 до 1993 г.). Под негово ръководство се поставя началото на научно-изследователската дейност по фотоелектрично и фототермично преобразуване на слънчевата енергия. Създадено е направление по приложение на пасивни елементи в слънчевата архитектура. ЦЛ СЕНЕИ е един от учредителите през 1978 г. на Европейски център по слънчева енергия към ЮНЕСКО, а неговият директор е бил председател на Изпълнителния комитет в периода 1981-1985г. Учените от ЦЛ СЕНЕИ са водещи в областта на преобразуването на слънчевата енергия в България. Техните усилия са насочени в няколко направления: • получаване и изследване на нови материали; • разработка на нови технологични процеси за реализация на високоефективни фотопреобразуватели; • проектиране на прибори и съоръжения за преобразуване на слънчевата енергия в електрическа и в топлинна. Учените от лабораторията участват в демонстрационни и изследователски пр
Българска академия на науките Централна лаборатория по приложна физика	Bulgarian Academy of Sciences Central Laboratory of Applied Physics (CLAP)	Plovdiv 4000 59, Sankt Petersburg Blvd. P.O. Box: 823		Bulgaria	tel.: +359 32 635019 fax: +359 32 632810	www.bas.bg/plovdiv	lpfban@mbox.digsys.bg	The Central Laboratory of Applied Physics (CLAP) – Plovdiv was founded in April 1979 as Laboratory of Applied Physics at the Bulgarian Academy of Sciences (BAS). Activities related to RES and RUE: • Research and development on materials for solar cells; • Production of photoconductive cells and modules; • Development, design and production of thermoelectric cooling and heating systems, isothermal containers, refrigerators and refrigeration of solid and liquid objects, etc.	Централната лаборатория по приложна физика – Пловдив е основана през април 1979г. като Лаборатория по приложна физика към Българската академия на науките. Дейности на лабораторията в областта на възобновяемите енергийни източници и рационалното използване на енергията: • научно-изследователска дейност в областта на материалите за фотоволтаични клетки; • производство на фотоволтаични клетки и модули; • Development, design and production of thermoelectric cooling and heating systems, isothermal containers, refrigerators and refrigeration of solid and liquid objects, etc.
Българска академия на науките Национален институт по метеорология и хидрология (НИМХ)	Bulgarian Academy of Sciences National Institute of Meteorology and Hydrology (NIMH)	Sofia		Bulgaria	tel.: +359 2 9753996	www.meteo.bg	Petio.Simeonov@meteo.bg	The National Institute of Meteorology and Hydrology at Bulgarian Academy of Sciences (BAS) is the main provider of the scientific research and operational activities in the field of meteorology, agrometeorology and hydrology in the country. RESEARCH INSTITUTE OF BULGARIAN ACADEMY OF SCIENCES RTD, demo and dissemination activities in the field of: Wind: evaluation of the potential, Solar: measuring of solar radiation, simulations, RES policy, greenhousegases.	Националният институт по метеорология и хидрология (НИМХ) към Българската академия на науките е главен изпълнител на научните изследвания и научнооперативни дейности у нас по метеорология, агрометеорология и хидрология. Дейност: научно-изследователска, демонстрационна и популяризиране в областта на: • вятърната енергия: оценка на потенциала; • слънчевата енергия: измерване на слънчевата радиация, симулации, ВЕИ политика, парникови газове.
Българска академия на науките Централна лаборатория по обща екология	Bulgarian Academy of Sciences Central Laboratory of General Ecology (CLGE)	Sofia 1113 2, Yurii Gagarin Str.		Bulgaria	tel.: +359 2 8736137 +359 2 8717195 (ext. 207) fax: +359 2 8705498	www.ecolab.bas.bg	chipev@ecolab.bas.bg ecolab@ecolab.bas.bg	Bulgarian Academy of Sciences (BAS): The Central Laboratory of General Ecology (CLGE) was established in 1996, as a successor to the Institute of Ecology (1989-1995) at the Bulgarian Academy of Sciences (BAS). Currently, CLGE functions as a scientific entity within BAS and has distinct administrative boundaries. Now CLGE is the only academic unit in the country dealing by definition with theoretical aspects of ecology and biodiversity. Demonstration and dissemination activities in the fields of biomass and biofuel.	Българска академия на науките: Централната лаборатория по обща екология (ЦЛОЕ) е създадена през 1996, като наследник на института по екология (1989 - 1995) при Българската академия на науките (БАН). В момента, ЦЛОЕ функционира като самостоятелно научно звено в рамките на БАН. Сега ЦЛОЕ е единствената академична единица в страната, занимаваща се с теоретични и приложни аспекти на екологията и биологичното разнообразие. Дейности, свързани с използване на възобновяеми енергийни източници: изпълнение и популяризиране на демонстрационни проекти за използване на биомаса за енергия и биогорива.

Технически университет - София	Technical University – Sofia Department of Thermal and Nuclear Power Engineering, Department of Hydro-aerodynamics and Hydraulic Machines, Department of Electric Machines (Laboratory of RES).	Sofia 1797 1, Climent Ohridski Blvd.	Bulgaria	tel.: +359 2 9652459 tel.: (+3592) 965-2572; (+3592) 685-183	http://www.tu-sofia.bg/	vl_lazarov@tu-sofia.bg	Research Unit at Technical University - Sofia RTD, demo and dissemination activities in the field of: • Solar: Monitoring of PV systems and concentrators; • Wind: electric systems of generation; • Biomass: Bio-diesel fuels.	Научно-изследователски център към Технически университет - София Дейност: научно-изследователска, демонстрационна и популяризиране в областта на: • слънчевата енергия: наблюдение на фотоволтаични системи и концентратори; • вятърната енергия: електрически системи за генерация на вятърна енергия; • биомасата: производство на био-горива.
Технически университет - София	Technical University – Sofia Department of Heating & Refrigerating, Research and Development Sector	Sofia 1797 1, Climent Ohridski Blvd.	Bulgaria	tel.: +359 2 9652572; +359 2 685183	www.tu-sofia.bg/r&d/home.htm		The Technical University - Sofia (STU) is a large educational, research and production complex with highly qualified lecturers, scholars, engineering and technical staff, supplied with modern laboratory equipment utilising considerable experimental and production potential. The first contracts for financing research and development were signed in 1962-1963 and the Research and Development Sector (R&DS) was established in 1967. Gradually its activities expanded setting up various research and development laboratories (R&DL). In the conditions of market economy R&DS, Small Batch Production Units (SBPU) and Training and Experimental Pilot Plants (TEPP) have enormous impact on the development of science and applied research of the lecturers, engineering and technical staff with STU. As per the internal regulation norms, the R&DS is an autonomous unit through which all contracted research and its complementary activities are implemented. They are carried out by the scholars and lecturers, aided by the technical personnel of STU as well as external scientific consultants and free-lance collaborators. In 2000 R&DS also realized a significant amount of international research activities, primarily	ТУ – София е учебно-научен комплекс с високо квалифицирани преподаватели, научни работници и инженерно-технически кадри, със съвременна лабораторна база и значителни експериментални мощности. Първостепенно значение за развитието на научноизследователската и приложна дейност на преподавателите и инженерно-техническите кадри от ТУ – София, в условията на пазарна икономика, имат Научно-изследователски сектор, Мали предприятия и Учебно-експериментално предприятие. В съответствие с вътрешната нормативна уредба, НИС, е самостоятелно звено, чрез което се осъществява договорена научна дейност и съпътстващи я дейности. Те се реализират от научно-преподавателския и помощно-техническия персонал на ТУ-София, от собствения персонал и от привлечени външни консултанти и извън штатни сътрудници. НИС при ТУ-София осъществява значителна международна научна дейност по Европейските програми в т.ч. Леонардо, Тета и Шеста Рамкови програми. В ТУ – София са създадени структури и условия за развитие на научноизследователска, приложна и внедрителска дейност на договорна основа с индустрията.
Минно-геоложки университет	University of Mining and Geology	Sofia 1100 Darvenica	Bulgaria	tel.: +359 2 687 224 fax: +359 2 624 940		vkv@mgu.bg		
Технически университет - Габрово	Technical University - Gabrovo	Gabrovo	Bulgaria	tel./fax: +359 66 800252	http://www.tugab.bg/index.html	markova@TUGAB.bg	Research Unit at University of Gabrovo Demo and dissemination activities in the field of: • PV system monitoring; • Wind machines; • Biomass.	Научно-изследователски център към Технически университет - Габрово Дейност: демонстрационна и популяризиране в областта на: • наблюдение на фотоволтаични системи; • вятърни генератори; • биомаса.
Технически университет - Варна, Европейски център "Енергия-Природа-Балкан"	Technical University - Varna (TU-Varna), UEC "Energy-Nature-Balkan", RES Education Centre	Varna	Bulgaria	mobile: +359 887441009 tel.: +359 52 303090 or +359 52 383422 fax: +359 52 302771	www.tu-varna.bg/tu-varna	LORA@trade.bg	Technical University - Varna (TU - Varna) is established in 1962. Now it provides education in six departments and two colleges. Research units at TU - Varna: • UEC "Energy-Nature-Balkan", • RES Education Centre Activities: demonstration and dissemination. Fields: PV and wind generation, monitoring, biomass	Създаден през 1962г. под името Машино-електротехнически институт с едновременно три факултета, днес Технически университет във Варна подготвя инженерни кадри в своите шест факултета и два колежа. За периода 1990-2001г. със средства от проекти са оборудвани научните звена към университета: • Европейски център "Енергия-Природа-Балкан"; • Център за възобновяеми енергийни източници - обучение; • Предмет на дейност: демонстрационни проекти и популяризирането им - фотоволтаици, вятърни генератори, биомаса.
Югозападен университет - Благоевград	South-Western University of Blagoevgrad	Blagoevgrad	Bulgaria		www.fmns.swu.bg	mstoev@mail.bg	RESEARCH UNITS AT UNIVERSITIES Demo and dissemination activities in the field of: • Application and monitoring of PV systems; • Biomass.	Научно-изследователски център към Югозападен университет - Благоевград Демонстрационна дейност и популяризиране в областта на: • използване и мониторинг на фотоволтаични системи; • биомаса.
Селскостопански университет - Пловдив	Agricultural University - Plovdiv	Plovdiv	Bulgaria	tel./fax: +359 32 654303	www.au-plovdiv.bg	anna@au-plovdiv.bg	RESEARCH UNITS AT UNIVERSITIES Demo and dissemination activities in the field of: • Biomass: evaluation of potential	Научно-изследователски център към Селскостопански университет - Пловдив Демонстрационна дейност и популяризиране в областта на биомасата: оценка на потенциала.
Енергопроект	Energoprojekt JSC	Sofia	Bulgaria		www.enpro.bg		RTD Research, development and design activities in the energy sector	Научно-изследователска дейност - проучване и проектиране в енергийния сектор.
ИЦМ-РЗ АД	ICM-RZ Ltd.	Plovdiv 4009 B, Asenovgradsko шосе Str.	Bulgaria	tel.: +359 32 633598 fax: +359 32 623825	www.inetg.bg/home/icmpeng	icmpeng@hotmail.com	RTD Fabrication and investigation of crystal silicon for solar cells	Научно-изследователска дейност - производство и изследване на кристален силиций за фотоволтаични клетки.
Лесотехнически Университет	University of Forestry in Sofia	Sofia 1756 10, Kliment Okhridsky Blvd.	Bulgaria	tel.: +359 2 91907 / 414 tel.: +359 2 8688632	www.ltu.bg	http://webmail.ltu.bg	A major contribution to scientific research in forestry has been made by the Scientific Research Division (SRD) set up in 1965. Since its establishment SRD has been the structural unit at the University of Forestry which manages scientific research on the basis of agreement with organisations, institutions, enterprises and legal entities for scientific research on a given topic or issue.	За начало на научноизследователската работа в областта на лесотехническата наука се счита 1923 г., когато към Аграрния факултет на Софийския университет се създава катедра "Частно лесовъдство" първата научна структура в областта на лесотехническата наука. През 1965 научният потенциал във ВПТИ рязко се увеличава с основаването на НТС (научно-технически сектор). Материалната база за научно-изследователската работа непрекъснато се разширява и специализира.

Русенски университет Аграрно-индустриален факултет Научно-изследователски сектор	University of Rouseff Faculty of Agricultural Mechanization Research and Scientific Sector	Ruse 7017 8, Studentska Str.	Bulgaria	tel.: +359 82 441921 fax: +349 82 459382	www.ru.acad.bg www.ru.acad.bg/nis-new	secretary@ru.acad.bg	The Research & Development Sector (R&DS) of "Angel Kanchev" University of Rouseff was founded in 1965. According to the regulations concerning the work of the University the main task of the R&DS is to organize "the research and production work, as well as students' internship". The organizational structure and activities of R&DS are regulated by rules, approved by the Academic Council of the University. The whole work of the R&DS is based on self-financing and self-support under full financial and personnel independence. At present R&DS is the main unit for business contacts of the University with state and private organizations and firms. Within the framework of R&DS, groups of high qualified lecturers, doctoral students, students and technicians perform, on a contractual basis, fundamental scientific research, as well as development, implementation and consulting activities. The concrete results from the work of these scientific teams have found application in almost all of Bulgaria, and also in a number of other countries like Germany, Hungary, the Czech republic, Russia, Byelorussia. Along with the creation of new scientific knowledge and products, the main task of Alternative and renewable energy in agriculture is one of the main research area to	Научно-изследователският сектор (НИС) към Русенския университет "Ангел Кънчев" е създаден през 1965 г. Съгласно Правилника за дейността на университета основната задача на НИС е да организира научноизследователската, научно-производствената и учебно-производствената дейност. Устройството и дейността на НИС са регламентирани с Правилник, приет от Академичния съвет на университета. Цялата дейност на НИС се извършва на принципа на самофинансирането и самоиздръжката при пълна финансова и щатна самостоятелност. Понастоящем НИС е основно звено за делови контакти на Университета с държавни и частни организации и фирми. В рамките на НИС колективи от висококвалифицирани преподаватели, докторанти, студенти и техници извършват на договорна основа както фундаментални научни изследвания, така и развойна, внедрителска и консултантска дейност. Конкретните резултати от работата на тези научни колективи са намерили приложение в почти цяла България, а също и в редица други страни като Германия, Унгария, Чехия, Русия, Беларус, Латвия и др. Наред със създаването на нови научни знания и продукти, основна задача на
Геологичен институт към БАН	Geological Institute to the Bulgarian Academy of Science	Sofia 1113 24, G. Bonchev Str.	Bulgaria	tel.: +352 82 888467 fax: +359 82 845708	www.geology.bas.bg	vlad@geology.bas.bg cndab@geology.bas.bg	Earth sciences institute Geothermal exploration, reservoir assessment	Геологичен институт Геотермални изследвания, оценка на резервоарите.
Университет по архитектура, строителство и геодезия	University of Architecture, Civil Engineering and Geodesy (UACEG)	Sofia 1046 1, Hristo Smimenski Blvd.	Bulgaria	tel.: +359 2 9635245 fax: +359 2 8656863	www.uacg.bg	aceint@uacg.bg	The University of Architecture, Civil Engineering and Geodesy (UACEG) in Sofia is the oldest and among the most prestigious higher technical schools in Bulgaria. More than 60 years after the University foundation it is a preferred higher school with a modern equipment for training and research, highly-qualified lecturers, researchers and specialists. Today, the contemporary mission of the University is to provide a training compatible with the European educational and qualification standards, accessible for candidates all over the world. International Programmes and Projects: - ERASMUS - AQUASTRESS - ИННОКОНС - VLFL - Leonardo/EC - NATO ARW - Urban Water Management	Университетът по архитектура, строителство и геодезия (УАЦЕГ) е най-старото и сред най-престижните висши технически училища в България. През своето над 60-годишно съществуване УАЦЕГ натрупа богат опит и днес е авторитетно търсено висше училище с модерно обзаведена база за учебна и научна работ с висококвалифицирани преподаватели, научни работници и инженерно-технически кадри. Съвременната мисия на УАЦЕГ е насочена към осигуряване на обучение, съвместимо с европейските стандарти за образование и квалификация, достъпно за кандидати от всички страни. Международни програми и проекти: - ЕРА3ЪМ - АКУАСТРЕСС - ИННОКОНС - ВЛФЛ - Leonardo/EC - НАТО АРУВ - Urban Water Management
Институт по мелiorация и механизация (ИММ - София)	Melioration and Mechanisation Institute		Bulgaria		www.velgraf.biz/ilram bg.html		Activities: scientific research, applied and service activity in the field of soil melioration and agriculture mechanisation.	Предмет на дейност: научна, приложна и обслужваща дейност в областта на мелiorациите на почвата и механизацията на селското стопанство.
Асоциация на производителите на екологична енергия (АПЕЕ)	Association of Producers of Ecological Energy (APEE)	Varna 9000 28, Georgi Rakovski Str.	Bulgaria	tel./fax.: +359 52 620770	www.apeebg.org	info@apeebg.org	Association of Producers of Ecological Energy (APEE) was established in 2004, from 16 companies willing to invest and to develop the renewable energy in Bulgaria. The major aim of APEE is to help and protect the private initiative of the Bulgarian contractors in the area of the production and distribution of ecological energy from renewable energy sources, representing their economic and branch interests to the state authorities and other organizations.	Асоциацията на производителите на екологична енергия (АПЕЕ) е учредена през 2004 година от 16 фирми, желаещи да инвестират и да развият възобновяемата енергия в България. Основната цел в дейността на Сдружението е да подпомага и защитава частната инициатива на българските предприемачи в областта на производството и разпространението на екологична енергия от възобновяеми енергийни източници като представлява техните икономически и браншови интереси пред държавните органи и други организации.
Сдружение енергия 21	Association Energy 21	Sofia 1729 Mladost 1A, block 512, entr.3	Bulgaria	tel.: +359 2 97 95 000/750, 8860613 fax: +359 2 8754016	http://energy21- bg.net/index.html	toneva@energy21-bg.net	Association Energy 21 is an independent voluntary association of physical and juridical persons registered according to the Law of juridical persons for non-profit purposes. Objectives: Sustainable energy development by using modern technologies in the area of energy efficiency and renewable energy sources and environmental protection. Subject of activity: Dissemination of ideas for raising energy efficiency and renewable energy usage; training of experts; development of teaching programs and other forms of educational consulting, research and development activities in the field of energy saving and environmental protection; participation with expert reports in discussions on legislative initiatives and decisions of the executive authorities on questions concerning energy efficiency, renewable energy and environmental protection; establishing and supporting contacts with related organizations, private companies and state institutions in the country and abroad with the aim to initiate and execute regional, national and international projects pointed at energy production decentralization and environmental protection; publishing and advertisement activities	СДРУЖЕНИЕ ЕНЕРГИЯ 21 е независимо доброволно сдружение на физически и юридически лица, регистрирано в съответствие със закона за юридическите лица с нестопанска цел. Цели: Устойчиво развитие на енергетиката чрез използване на съвременни технологии в областта на енергийната ефективност и възобновяемите енергийни източници и опазване на околната среда. Предмет на дейност: Популяризиране на идеи за повишаване на енергийната ефективност и използване на възобновяеми енергийни източници; обучение на специалисти, разработване на учебни програми и други форми на учебна дейност; консултантска, изследователска и развойна дейност в областта на енергетиката и опазването на околната среда; участие с експертно мнение при обсъждане на законодателни инициативи и решения на изпълнителната власт по въпроси свързани с енергийната ефективност и възобновяеми енергийни източници и опазване на околната среда; установяване и поддържане на контакти със сродни организации, частни фирми и държавни институции в страната и чужбина за инициране и изпълнение на регионални, национални и международни проекти, насочени към децентрализиране на енергетиката и от
Черноморски регионален енергиен център (ЧРЕЦ)	Black Sea Regional Energy Centre (BSREC)	Sofia 1000 8, Triaditza Str.	Bulgaria	tel.: +359 2 9806854 fax: +359 2 9806855	www.bsrec.bg	radulov@bsrec.bg	The Black Sea Regional Energy Centre was established in Sofia (Bulgaria) in 1995 and has 13 member countries from the region. The Centre aims to develop co-operation in the energy sector of the countries in the Black Sea region. The main activities are in the field of sustainable energy policy, restructuring of energy sector liberalization of the energy market, security of energy supply, energy efficiency, and promotion of renewable energy. The Centre collaborates with a pool of high-level experts from the Black Sea region.	Черноморски регионален енергиен център е създаден в София (България) през 1995г. и обединява 13 страни от Черноморския регион. Цели се развитие на сътрудничеството на страните от Черноморския регион в енергийния сектор. Основните дейности са в областта на политиката за устойчива енергия, реструктуриране на енергийния сектор, либерализация на енергийния пазар, сигурност на енергоснабдяването, енергийна ефективност и подпомагане на възобновяемата енергия. Центърът сътрудничи с висококвалифицирани специалисти от Черноморския регион.

Агенция за енергийна ефективност (EEA)	Energy Efficiency Agency (EEA)	Sofia 1000 37, Ekzarh Josif Str., fl. 4	Bulgaria	tel./fax (02) 9815802	www.seea.government.bg		<p>The Energy efficiency agency is a juridical perso, supported by the budget with headquarters in Sofia and has a statute of an executive agency to the Minister of economy and energy.</p> <p>Objectives:</p> <ul style="list-style-type: none"> Decreasing the energy intensity of the Gross Domestic Product Decreasing the energy dependence of the country Decreasing the harmful gas emissions in the atmosphere Improving the living comfort of Bulgarians Achieving a sustainable development <p>Priorities:</p> <ul style="list-style-type: none"> Improving the energy efficiency Renewable energy sources, promotion of their utilization in accordance with the programs of the EU for sustainable development Public gas supply with natural gas Legislative regulation of the energy efficiency fund Harmonization of the Bulgarian legislation with the European one, including in the field of the energy efficiency and renewable energy sources Special accent on the energy efficiency development Ensuring financial support for development of the energy efficiency in Bulgaria 	<p>Агенцията по енергийна ефективност е юридическо лице на бюджетна издръжка със седалище в София и има статут на изпълнителна агенция към Министъра на икономиката и енергетиката.</p> <p>Цели:</p> <ul style="list-style-type: none"> Намаляване енергоемкостта на Брутният Вътрешен Продукт Намаляване на енергийната зависимост на страната Намаляване на вредните газове емисии в атмосферата Подобряване комфорта на живот на българина Постигане на устойчиво развитие <p>Приоритети:</p> <ul style="list-style-type: none"> Повишаване на енергийната ефективност Възобновяеми енергийни източници, увеличаване използването им в съответствие с програмите на ЕС за устойчиво развитие Битово газооснабдяване с природен газ Законово уреждане на фонд "Енергийна ефективност" Хармонизация на българското законодателство с европейското, в т.ч. в областта на енергийната ефективност и БЕИ Особен акцент върху развитието на енергийната ефективност Осигуряване на финансова подкрепа за развитието на енергийната ефективност на Република България
Софийска Енергийна Агенция - СОФЕНА	Sofia Energy Agency - SOFENA	Sofia 1505 44, Oborishte str.	Bulgaria	tel.: +359 2 9434909 fax: +359 2 9434401	www.sofena.com	issofena@techno-link.com	<p>Sofia Energy Agency was established in July 2001 under the SAVE II Program of the European Union.</p> <p>Objectives:</p> <ul style="list-style-type: none"> To assist Sofia Municipality in developing a sustainable energy policy; To develop models for Sofia Municipality energy planning and to support their implementation; To involve the intellectual potential of the capital city in solving problems, concerning energy efficiency and implementation of new energy saving and ecological technologies; To reveal possibilities and to participate in projects, financed by foreign institutions in the area of sustainable energy policy, energy savings and ecology; To establish and develop international contacts with related organizations in European Community and other countries for transferring know-how and up-to-date technologies; To contribute for the dissemination of positive experience of finalized projects in the area of energy efficiency, new energy sources and clean technologies; To initiate, assist, and support scientific and implementation work, research programs and projects in the field of energy efficiency and new technologies; To cooperate with other non-profit organizations with similar activities; To carry out research and to propose solutions for implementation of new schemes; To complete preliminary studies for investment projects; 	<p>Софийска Енергийна Агенция - СОФЕНА е учредена през юли 2001 г. съгласно условията на програма SAVE II и с подкрепата на Европейската комисия и Столична община.</p> <p>Основните цели на СОФЕНА са:</p> <ul style="list-style-type: none"> Подпомагане на Столична община в разработването на устойчива енергийна политика; Разработване на модели за енергийното планиране на Столична община и подкрепа на изпълнението му; Привличане на интелектуалния потенциал на Столицата в разрешаването на проблеми, отнасящи се до енергийната ефективност и използването на нови енергоефективни и екологично чисти технологии; Откриване на възможности и участие в проекти, финансирани от чужди институции в областта на устойчивата енергийна политика, икономите на енергия и екологията; Установяване и развиване на международни контакти със сродни организации от Европейския съюз и други държави за трансфер на нау-хау и на съвременни технологии в предмета на дейността на Агенцията; Подкрепа на разпространението на положителния опит от реализирани проекти в областта на енергийната ефективност, новите енергийни източници и чистите технологии; Инициране, подпомагане и поддръжка на научно-приложни работи, изследвания и проекти; Коопериране с организации с подобни цели;
"И Ес Ди - България" ООД	Energy for Sustainable Development - Bulgaria Ltd	Sofia 1000 38, "Dondukov" Blv., Floor two	Bulgaria	tel.: +35929817041 +35929816859 fax: +359298008306	www.esdb.bg	esdb@esdb.bg	<p>Energy for Sustainable Development - Bulgaria Ltd. (ESD Bulgaria Ltd.) is a 100% private company, registered in March 1998 under the Trade Law of the Republic of Bulgaria. The company's capital is 80% British and 20% Bulgarian. ESD Bulgaria Ltd. operates mainly in energy efficiency (EE), GHG (green house gas) emission trading, CHP and Renewable Energy Sources (RES) as a consulting company and engages in the development and implementation of sustainable energy projects.</p> <p>ESD Bulgaria Ltd. is the leading Bulgarian Sustainable Energy Company, which provides technical and consultancy assistance for identification and investment in development and implementation of Bulgarian energy efficiency and renewable energy projects for a number of municipalities and other local authorities in the country. The experts of ESD Bulgaria Ltd. have successfully carried out activities and acquired extensive experience under a number of international and nationally funded projects in the field of energy efficiency improvement, climate change mechanisms, renewable energy sources utilization, institution at building and capacity building.</p> <p>Since 1998, ESD Bulgaria has been the main contractor or has participated in more than 100 projects in the field of energy efficiency improvement, climate change mechanisms, renewable energy sources utilization, institution at building and capacity building.</p> <p>ESD Bulgaria works with a range of organizations (local authorities, industries, financial institutions, etc.) in the field of energy efficiency improvement, climate change mechanisms, renewable energy sources utilization, institution at building and capacity building.</p>	<p>Energy for Sustainable Development - Bulgaria Ltd. (ESD Bulgaria Ltd.) is a 100% British and 20% Bulgarian capital. Дружеството е регистрирано по българското законодателство през март 1998 година. Основният предмет на дейността на фирмата е насочен в областта на енергийната ефективност (ЕЕ), комбинираното топло и електропроизводство (КТЕП), възобновяеми енергийни източници (ВЕИ). Участва в разработването и изпълнението на устойчиви енергийни проекти, по програми PHARE, SAVE II, ALTENER, TERMIE B, финансирани от Европейската комисия, Холандското правителство, Министерството на международното развитие на Великобритания и др.</p> <p>"И Ес Ди България" ООД предоставя експертна техническа и консултантска помощ на своите клиенти при избора, разработката и изпълнението на проекти свързани с оползотворяването на възобновяеми енергийни източници, повишаване на енергийната ефективност, търговия с емисии на парникови газове, (JI проекти), местно енергийно планиране, енергийно обследване на сгради, търговски сертификационни схеми и др. Разработва инвестиционни проекти по ЕЕ и ВЕИ.</p> <p>Екипът на "И Ес Ди България" работи в тясно сътрудничество с експерти от българските и чуждите държави в областта на енергийната ефективност, климатичните механизми, възобновяеми енергийни източници, институционално развитие и капацитетно развитие.</p>

Национална асоциация за промотиране на когенерацията (КОГЕН - България)	The National Association for the Promotion of Cogeneration (COGEN – Bulgaria)	Sofia 1510 ж.к. "Хаджи Димитър", бл. 138, вх. Б, ет. 6, ап. 37	Bulgaria	tel.: +359 2 8401462 tel./fax: +359 2 9457423	www.cogen-bulgaria.org	cogen.bulgaria@abv.bg	COGEN - Bulgaria is established in 2004 as a National Association for Promoting Cogeneration. Сред членовете на организацията са експерти и специалисти, представители на енергийния бизнес, учени, както и Агенцията по енергийна ефективност към Министерството на икономиката и енергетиката на България. The use of biomass for combined production of heat and power has the biggest potential among all renewable energy resources in Bulgaria in long-term prospect. Main objectives: • Gaining objective and trustworthy information about the potential of the various kinds of biomass in Bulgaria; • Planning activities for steady management of biomass for the needs of the energy production from cogeneration modules; • Acceleration of investment process and giving guarantees to investors; • Monitoring and preparation of analyses and prognoses about the state of biomass	КОГЕН-БЪЛГАРИЯ е учредена през 2004г. като национална организация за насърчване и подкрепа на когенерацията. Сред членовете на организацията са експерти и специалисти, представители на енергийния бизнес, учени, както и Агенцията по енергийна ефективност към Министерството на икономиката и енергетиката на България. КОГЕН-БЪЛГАРИЯ, отчитайки големата нужда от внедряване на когенерацията в индустрията, битя и социалния сектор на България, си поставя следните основни цели: • да работи за все по-широкото използване на когенерацията в България и Европа за устойчиво енергийно бъдеще; • популяризиране внедряването на комбинирани енергийни системи и алтернативни източници за производство на енергия. • подпомагане на държавните органи в създаването на нормативни актове, указания и решения; • приложение на международния опит в областта на когенерацията и енергийната ефективност; • да разработва научно-изследователски и развиващи проекти в областта на когенерацията.
Асоциация за устойчива енергия	Association of Sustainable Energy	Sofia 1113 23A, Lulyakova Gradina Str.	Bulgaria			rsavov@usa.net	Sustainable energy NGO	Неправителствена организация за устойчива енергия
Фонд за енергийна ефективност (ФЕЕ)	Bulgaria Energy Efficiency Fund (BEEF)		Bulgaria		www.abcdesign-projects.info/beef/displaybg.aspx	radulov@bsrec.bg	Bulgaria Energy Efficiency Fund (BEEF) was established through the Energy Efficiency Act adopted by the Bulgarian Parliament in February 2004. BEEF is initially capitalized entirely through grant financing - the main donors being the IBRD (World Bank), the Government of Austria, the Bulgarian Government and private Bulgarian enterprises. The Fund performs its activity in accordance with the Energy Efficiency Act, the current legislation and the agreements with the major donors. The main objective of establishing BEEF is to facilitate energy efficiency investment and promote the development of an energy efficiency market in Bulgaria. To this end BEEF will support the identification, development, and financing of viable energy efficiency projects implemented by Bulgarian private enterprises, municipalities and households. These projects shall result in substantial reduction of greenhouse gas which is the main environmental objective of BEEF as a donor project. The underlying principle of BEEF's operations is a public-private partnership. The Fund pursues an agenda fully supported by the Government of Bulgaria but is structured	ФЕЕ е създаден чрез Закона за Енергийна Ефективност, приет от Парламент през месец февруари 2004г. ФЕЕ е първоначално капитализиран изцяло с грантови средства – основни донори са Международната банка за възстановяване и развитие (Световна Банка), правителството на Австрия, правителството на България и частни български предприятия. Основната цел при създаването на ФЕЕ е да подпомага енергийно ефективни инвестиции и да поощрява развитието на пазар на проекти за енергийна ефективност в България. През целия си период на съществуване ФЕЕ ще осъществява идентификация, разработване и кредитиране на инвестиционни проекти за енергийна ефективност, като преимущество ще се дава на проекти, осъществявани от български частни предприятия и общини. Основен принцип в управлението на ФЕЕ е публично-частно-партньорство. Фондът следва ред и правила, изцяло одобрени от българското правителство но представлява независимо юридическо лице, отделно от държавните институции. Фондът е ориентиран към печалба и функционира като корпоративна структура.
Научно-технически съюз на енергетиците	Scientific and Technical Union of Energetics	Sofia 1000 G. Rakovski 108	Bulgaria	tel.: +359 2 9884158 fax: +359 2 9879360			Energy association	Енергийна асоциация
Българска жилищна асоциация	Bulgarian Housing Association	Sofia 1164 4, Architect Yordan Milanov Str.	Bulgaria	tel: +359 2 9631306 mobile: +359 888 452688	www.bha-bg.org	bha@mail.orbitel.bg	Housing renovation	Обновяване на жилищни сгради
Енергийна агенция Пловдив	Energy Agency of Plovdiv	Plovdiv 4000 25, Ivan Vazov Str.	Bulgaria	tel.: +359 32 267465 +359 32 620781	www.eap-save.org www.eap-save.dir.bg	Lyana.Adjarova@eap-save.dir.bg cgpf-eap@evrocom.net	Energy Agency of Plovdiv (EAP), Bulgaria is the first energy management agency established in Bulgaria under the SAVE II program of the European Commission. It is now one of the few such agencies established in Central and Eastern Europe following the decision of the EC in 1999 to expand the program to our region of Europe. The EC and others have considered EAP a huge success in the country and in the region since its inception in 2000. EAP is continuing its activities promoting energy efficiency and clean energies as well as identifying and developing new energy projects. Energy Efficiency is a new concept in Bulgaria; supply side issues used to be the main topic for discussion on the national agenda. A success was shifting the focus to the demand side of energy, bringing attention to energy consumption issues within the community and providing practical ways for individuals, communities and businesses to improve their energy management. EAP cooperates closely with partnership agencies in all European countries. Objectives: • To promote energy efficiency at the local and regional level; • To provide energy efficiency and RES comprehensive information, education, adv; • To raise public awareness of the connection between energy efficiency and climate; • To promote programs, institutions and investments favouring sustainable energy; • To identify and realize bankable demonstration energy efficiency and RES projects; • To encourage international cooperation, with a focus on financing and market per	на 22 април 2000г. се създадена Енергийна Агенция – Пловдив (ЕАП) с главен цел осъществяване на енергийна ефективност на местно и национално ниво. ЕАП работи за намаляването на енергийното потребление и емисиите въглероден диоксид. Агенцията популяризира технологии за възобновяем енергии и алтернативни източници на енергия. Като една от 400 подобни агенции в Европа, създадени под егидата на Европейската Комисия, ЕАП разработва стратегии, механизми и практики за енергийна ефективност. ЕАП в близко сътрудничество с агенции в цяла Европа. ЕАП популяризира енергийната ефективност и възобновяемите енергийни източници; предоставя експертизи, консултации, информации; популяризира стандарти, програми и инвестиции, които поощряват устойчивото енергийно развитие. Европейската комисия определя ЕАП като една от най-успешните агенции в Централна и Източна Европа. Цели: • Разработване на технологии за енергийна ефективност на местно и общинско и регионално ниво; • Предоставяне на информация, обучения и лобиране за използването на ВЕИ; • Повишаване на общественото съзнание относно връзката между енергийнат
Общинска мрежа за енергийна ефективност ЕкоЕнергия	Municipal Energy Efficiency Network EcoEnergy	Plovdiv 4000 15, Gladstone Str.	Bulgaria	tel. +359 32 625 755 fax: +359 32 620 780	www.ecoenergy-bg.net		EcoEnergy aims to support the efforts of the central and local authorities for attainment of sustainable development of the country. The Network has three strategic objectives: to raise energy efficiency awareness in member municipalities to create conditions for diminishing the burden of energy costs on municipal budgets; to reduce the energy costs incurred by individual end-users in municipalities. EcoEnergy collaborates with governmental and other institutions and private sector for achieving its goals and creating better regulatory conditions for Bulgarian municipalities.	Общинската мрежа за енергийна ефективност ЕкоЕнергия е сдружение с нестопанска цел на български общини за взаимна помощ и съвместни действия при формирането на местните политики за ефективно използване на традиционни и алтернативни енергийни ресурси и за осигуряване на енергийна сигурност и възможности за устойчиво развитие на общините.

Център за енергийна ефективност ЕнЕфект	Centre for Energy Efficiency EnEffect	Sofia 1164 1, Hristo Smirnensky Blvd., fl. 3	Bulgaria	tel.: + 359 2 9631714 + 359 2 9630269 fax: + 359 2 9632574	www.eneffect.bg	eneffect@mail.orbitel.bg zgenchev@eneffect.bg	The Center for Energy Efficiency EnEffect was founded in 1992 in Sofia in response to the acute need of energy conservation in all spheres of public life. The EnEffect's principal objectives are: - to contribute to the development of energy efficiency policy at all management levels in Bulgaria to achieve economic and environmental benefits for the country; - to assist the process of institutional development and capacity building in Bulgaria as a prerequisite for the initiation, development and implementation of energy efficiency projects and programs; - to assist technology transfer and exchange of experience and information.	Центърът за енергийна ефективност ЕнЕфект е неправителствена нестопанска организация с мисия да подкрепя усилията на централната и местните власти да постигнат устойчиво развитие на страната чрез по-ефективно използване на енергията. Основни цели: - Да съдейства за формирането на политика за ефективно използване на енергийните ресурси на всички равнища на управление. - Да подпомага изграждането на местни институционални и кадров потенциал необходим за инициране, разработване и изпълнение на програми за енергийна ефективност. - Да насърчава развитието на местния пазар на технологии, изделия, материали и услуги за икономия на енергия. - Да осъществява обмен на опит и информация за повишаване на енергийната ефективност.
Асоциация на българските енергийни агенции АБЕА	Association of Bulgarian Energy Agencies		Bulgaria		www.abea-bg.org		The Association of Bulgarian Energy Agencies (ABEA) is a non-government organization, registered by the law as a legal entity with non-profit purpose. Objectives: • The Association supports its members' activity and unifies their efforts either for preparation of suggestions for improvement of the national and local (municipal) normative base so that a sustainable energy policy to be ensured and towards their participation in joint projects at national, European, and international/worldwide level. • Keeping contacts with the Directorate for Energy and Transport aimed at application of the EC directives, as well as participation in its local and regional initiatives. • Collaboration with the Ministry of Energy, Agency for Energy Efficiency (AEE) and Ministry of Environment and Waters and other state institutions by the development of suggestions for improving the state normative base regarding a sustainable energy development, a policy of energy efficiency, and implementation of renewable energy sources (RES). Cooperation with AEE in realization of the state policy for energy saving, introduction of new technologies and RES. • Exchange of information and dissemination of best practices and results at world. • Assisting the local authorities (including municipalities not belonging to the Association). The Mission of ABEA	Асоциацията на Българските Енергийни Агенции (АБЕА) е неправителствена организация, регистрирана като юридическо лице с нестопанска цел. Цели: • Да подпомага дейностите на членовете си и обединява усилията им по отношение на подготовка на предложения за подобряване на националната и местна (общинска) нормативна база с цел подсираване на устойчива енергийна политика, както и дейностите им по участие в национални, европейски и международни проекти. • Да поддържа контакти с Директоратът за Енергия и Транспорт към Европейската комисия, целящи приложение на директивите на ЕК, както и участие в местни и регионални инициативи. • Да сътрудничи с Министерството на икономиката и енергетиката, Агенцията за енергийна ефективност (АЕЕ), Министерството на околната среда и водите и с други държавни институции при разработването на предложения за подобряване на държавната нормативна база в областта на устойчивото енергийно развитие, политиката за енергийна ефективност и употребата на възобновяеми енергийни източници (ВЕИ). Сътрудничество с АЕЕ при осъществяването на държавната политика за енергийна ефективност, внедряване на енергийни практики и резултати. • Да обмена на информация и разпространява най-добри практики и резултати. • Да подпомага местните власти (включително и общини, които не членуват в
Общинска енергийна агенция Русе	Municipal Energy Agency of Rousse	Rousse 7000 3A, Ferdinand Blvd.	Bulgaria	tel. +359 82 821244 fax: +359 82 821244	www.mea.bg	office@mea.bg	The Municipal Energy Agency – Rousse, or "MEA" for short is based in North Central Region of Bulgaria, Rousse Region, City of Rousse. Municipal Energy Agency – Rousse have been established in the Year 2001 as NGO under SAVE II Program.	Седалището на Общинска Енергийна Агенция-Русе или "ОЕА" за кратко, е в град Русе, Област Русе. Общинска енергийна агенция-Русе е създадена с финансовата помощ на програмата SAVE II през 2001 година като нестопанска организация, а от април 2006 година е пререгистрирана като НПО, изпълняваща нестопанска дейност обществена полза.
Регионален енергиен център Хасково	Regional Energy Centre of Haskovo	Haskovo 6300 2, Patriarh Evtimii Str., fl. 2, room 62	Bulgaria	tel. +359 38 662 470 fax: +359 38 662 471	www.rechaskovo.org	office@rechaskovo.org	Regional Energy Centre - Haskovo was created April 1st, 1996 within PHARE project. REC is moderator, initiator and coordinator of energy efficiency projects. Orientated to up-to-date EU technologies, REC offers the following services: • Consulting; • Energy monitoring; • Energy efficiency projects development; • Implementation of Energy efficiency projects; • Dissemination of technologies and equipment for utilisation of RES;	Регионален Енергиен Център - Хасково е създаден на 1 Април 1996 с проект "Фар". РЕЦ се извършва като посредник, инициатор и координатор на проекти по енергийна ефективност. Изцяло ориентиран към водещите европейски технологии, РЕЦ предлага на своите партньори редица услуги: • Консултантски • Енергийни обследвания • Разработване на проекти за енергийна ефективност • Изпълнение на проекти за енергийна ефективност • Популяризиране на технологии, съоръжения и оборудване за енергийна ефективност и използване на възобновяеми енергийни източници
Регионален енергиен център Пазарджик	Regional Energy Agency of Pazardjik	Pazardjik 4400 2, Rayko Daskalov Str.	Bulgaria	tel.: +359 34 442414 fax: +359 34 442124	www.reap-save.org	vladimir.valkov@mbox.com act.bg	Regional Energy Agency of Pazardjik, Bulgaria has been established under the Intelligent Energy for Europe programme of the European Commission (EC) in June 2005, with main purpose to intelligent Energy develop and implement projects in the area of energy efficiency and use of renewable energy sources (RES). Main objectives of the Agency: • To perform common and detailed energy audits of small and medium-sized enterprises (SME), and development of company standards. • Energy certifications of public and household buildings. • Promotion of energy efficiency and renewable energy strategies, policies and practices at local level. • Dissemination of best European practices in the area of rational energy use and implementation of RES. • To encourage international programs that focus on the financing and marketing of projects which emphasize energy efficiency. • Development, implementation and financing of energy efficiency projects under third party financing schemes. • Ensuring information and training in the area of energy efficiency and RES.	Регионалната енергийна агенция в Пазарджик е създадена през юни 2005 г. по програмата Интелигентна енергия за Еврoпа на Европейската комисия с цел разработка и внедряване на проекти в областта на енергийната ефективност и употребата на възобновяеми енергийни източници (ВЕИ). Основни цели на агенцията: • Извършване на опростени и детайлизирани обследвания за енергийна ефективност на промишлени системи и създаване на фирмени стандарти. • Енергийно сертифициране на обществени и жилищни сгради. • Насърчаване на енергийната ефективност чрез създаване на стратегии и практики на местно ниво. • Разпространение на най-добрите европейски практики за рационално използване на енергията и възобновяемите енергийни източници. • Участие в международни програми за развитието и финансирането на проекти за енергийна ефективност и ВЕИ. • Разработка, внедряване и финансиране на енергийно ефективни проекти по схемата финансиране с гарантиран резултат. • Осигуряване на информация и обучение в областта на енергийната ефективност и ВЕИ.

Фондация регионален енергиен център Ловеч	Foundation Regional Energy Center of Lovetch	Lovech 5500 PO Box 239 42, Turgovska Str.		Bulgaria	tel.: +359 888 503971 fax: +359 2 9360968	www.managenergy.net/actors/A1921.htm	rec@bsbg.net	Foundation Regional Energy Center acquires and transfers information, technology and know-how to the region and Bulgaria. Activities: • Popularizing of efficient and rational methods for optimum use of energy; • Promotion of Renewable Energy Sources (solar, water, wind, geothermal energy, biomass); • Local, regional, national and international co-operation in projects, energy programmes and networks; • Regional energy policy on decentralisation of energy sector; • Energy audits in companies, municipal and administrative buildings; • Co-ordination of projects implementation; • Designing and execution of energy efficiency projects; • Energy management in companies and municipalities; • Performing measures and diagnostics of energy systems; • Participation in international projects; • Financing of energy efficient projects; • Publishing and dissemination of bulletins and brochures on energy themes; • Carrying out seminars, meetings and conferences; • Maintaining of database for Bulgarian and foreign partners; • Solar energy; • Energy efficiency in buildings. Target audience: Private and state-owned companies, Regional and Municipal authorities.	Фондация регионален енергиен център Ловеч събира и разпространява информация, технологии и ноу-хау в областта на град Ловеч и България. Дейности: • популяризиране на ефикасни и рационални методи за оптимално използване на енергията; • популяризиране на ВЕИ (слънце, вода, вятър, геотермална енергия, биомаса); • участие в енергийни програми, проекти и мрежи на местно, регионално, национално и международно равнище; • провеждане на регионална енергийна политика по децентрализацията на енергийния сектор. Експертна дейност: • енергийни одити във фирми, общински и административни сгради; • координиране и изпълнение на проекти; • енергиен мениджмънт във фирми и общини; • Прилагане на мерки и диагностика на енергийни системи; • Финансиране на енергийноекфективни проекти;; • публикуване и разпространение на бюлетини и брошури на енергийни теми; • организиране и провеждане на семинари, срещи и конференции; • поддръжка на бази данни за български и чуждестранни партньори; • слънчева енергия; • енергийна ефективност в сгради. Насоченост към частни и държавни фирми, областни и общински власти, нег
Агенция за регионално икономическо развитие Стара Загора	Stara Zagora Regional Economic Development Agency	Stara Zagora 6000 127, General Stoletov Str.		Bulgaria	tel.: +359 42 605007 fax: +359 42 638075	www.szeda.bg		The Agency is established in 1995 with the support of the USAID. Serving as a liaison that strengthens communication between city governments and the business community, it soon attracted as members other local agents – municipalities, training centres and organizations supporting the economic development of the region. Members of the Agency are: the municipalities of Stara Zagora, Nikolaev, Bratya Daskalovi, Gurkovo, Opan and Radnevo, the Thracian University, the Bulgarian-German Training Centre, the Chamber of Commerce and Industry. Stara Zagora REDA has worked on a number of programmes and projects, funded by the European Union, USAID, British, Canadian, Italian and other bilateral programmes.	Агенцията е създадена през 1995 г. с подкрепата на Американската агенция за международно развитие USAID. Постепенно се утвърждава като свързващо звено между местните власти и бизнес общността, привличайки за свои членове други местни структури – общини, образователни институции и организации, работещи за икономическото развитие на региона. Членове на Агенцията са: Общините Стара Загора, Николаево, Братя Даскалови, Гурково, Опан и Раднево, Тракийски университет; Българо-германски център за квалификация; Търговско-промишлена палата. Агенцията за регионално икономическо развитие – Стара Загора работи по различни програми и проекти на Европейския съюз, USAID, Британски, канадски, италиански и други двустранни програми.
Български енергиен форум	Bulgarian energy forum			Bulgaria		www.bulenergo.com		Bulgarian energy forum is established in 2002.	Български енергиен форум е регистриран като юридическо лице с нестопанска цел през октомври 2002 г.
Асоциация за енергийно оползотворяване на биомасата (АЕОБ)	Energy Utilisation Biomass Association (EUBA)			Bulgaria		http://biomasata.com/index.php		Objectives: • To act as an independent body on exchange of opinions and experience in the field of biomass utilisation for energy; • To ensure an international know-how on biomass utilisation for energy for political and qualified specialists through organizing of courses and seminars for analysis and development in this area. • To assist governmental authorities in creating of regulations, instructions and decisions. • Development of technologies for biomass energy production.	Цели: • Да действа като независим форум за размяна на мнения и опит в областта на използването на биомасата за енергийни цели • Да осигурява международна информация за знания в областта на използването на биомасата за енергийни цели за политически и квалифицирани специалисти чрез организиране на курсове и семинари за анализи и развитие на тази област. • Да подпомага държавните органи в създаването на нормативни актове, указания и решения. • Развитие на на технологии за производство на енергия от биомаса.
	Energy Institute Hrvoje Požar	Savska 163 HR-10000 Zagreb		Croatia	Tel: +385-(0)1-6326-109 Fax: +385-(0)1-6040-599		ldomac@eihp.hr		
	Croatian Energy Association (HED)	Savska cesta 163 HR-10000 Zagreb		Croatia	Tel: +385-(0)1-6040-609 Fax: +385-(0)1-6040-610	http://www.hed.hr	hed@eihp.hr		
	EKONERG – Energy and Environmental Protection Institute	Koranska 5 HR-10000 Zagreb		Croatia	Tel: +385-(0)1-6000-111 Fax: +385-(0)1-6171-560	www.ekoner.hr	ekonerg@ekonerg.hr		
	Centar za Primjenu Novih Tehnologija	Ilica 130 HR-10000 Zagreb		Croatia	Tel: +385-(0)1-3734-129 Fax: +385-(0)1-3733-982		nafis.defterdarovic@zg-t-com.hr		
	ELTEH d.o.o.	Heinzlova 64-66 HR-10000 Zagreb		Croatia	Tel: +385-(0)1-6060-300 Fax: +385-(0)1-6060-301	www.elteh.hr			
	Institut za Elektroprirodu i Energetiku d.d	Ulica grada Vukovara 37 HR-10000 Zagreb		Croatia	Tel: +385-(0)1-6170-462, +385-(0)1-6322-640 Fax: +385-(0)1-6171-153, +385-(0)1-6171-154		direktor@ie-zagreb.hr ie-zagreb@zg.htnet.hr		

	Faculty of Forestry University of Zagreb	Svetošimunska 25 P.B. 422, HR-10002 Zagreb		Croatia	Tel: +385-(0)1-2352-555 Fax: +385-(0)1-2318-616	www.sumfak.hr	dekanat@sumfak.hr	
Sape d.o.o.		Budanjšćak 7 HR-10060 Zagreb		Croatia	Tel: +385-1-4574-404, +385-1-4576-516 Fax: +385-1-4576-515	www.sape.hr	sape@sape.hr	
Teh-Projekt Energetika d.o.o.		Fiorello la guardia 13/VI 51000 Rijeka		Croatia	Tel: +385-1-336-519		teh-projekt-energetika@ri.t-com.hr	
ΙΔΡΥΜΑ ΕΝΕΡΓΕΙΑΣ ΚΥΠΡΟΥ	CYPRUS INSTITUTE OF ENERGY (CIE)	A. Αποούζου 13-15, 1421 Λεσκόσια	13-15 Araouzou Str, 1421 Lefkosia	Cyprus	Tel: +357 22 409389 Fax: +357 22304759	www.cie.org.cy	E-mail: cie@cytanet.com.cy	Mission <ul style="list-style-type: none"> ◊ The development and the promotion of renewable energy sources (wind, solar, biomass, hydro or any other form of renewable energy known, or proves to be of interest in the future). ◊ The promotion of the conservation and rational utilization of energy ◊ The contribution in order to expand the usage of financially viable energy technologies. <p>In order to implement its aims, the CIE is involved in relevant international programmes, co-operates with similar international institutions, uses consultants or specialized scientists (local or international experts) when the need arises, undertakes applied research, provides technical aid and information and generally presents a lot of activity in the field of information and promotion of new innovative energy technologies and especially in the utilization of Renewable Energy Sources (RES).</p>
Česká agentura pro obnovitelné zdroje energie	Czech Renewable Energy Agency	Televizní 2618 CZ-75661 Roznov pod Radhoštěm	Televizní 2618 CZ-75661 Roznov pod Radhoštěm	Czech Republic	Ph.: +420 575750 090 Fax: +420 575750 098	http://www.ceacr.cz	E-Mail: info@czrea.org	
Sídlo VŠB-TU Ostrava	Technical University of Osatva	17. Listopadu 15 CZ-70833 Ostrava - Poruba	17.listopadu 15 CZ-70833 Ostrava-poruba	Czech Republic	Ph.: +420 59732 1111 Fax: +420 59732 3233	http://www.vsb.cz		Type of Organisation: University <ul style="list-style-type: none"> - Faculty of Civil Engineering - Faculty of Safety Engineering - Faculty of Mechanical Engineering - Faculty of Electrical Engineering and Computer Science - Faculty of Mining and Geology - Faculty of Metallurgy and Material Engineering - Faculty of Economics
Státní fond Zivotního prostředí České Republiky	State Environmental fund of the Czech Republic	Kaplanova 1931/1 CZ-14800 Praha 11	Kaplanove 1931/1 CZ-14800 Prague 11	Czech Republic	Ph.: +420 267 994300 Fax: +420 272 936597	http://www.sfzp.cz	E-Mail: dotaxy@sfzp.cz	
Technologické centrum AV CR	Technology Center AS CR	Rozvojová 135 CZ-16502 Praha 6	Rozvojova 135 CZ-16502 Prague 6	Czech Republic	Ph.: +420 234 006 126 Fax: +420 220 921 217 Fax: +420 220 922 698	http://www.tc.cz	Bartosová Kamila Secretariat E-Mail: bartosova@tc.cz	Type of Organisation: Czech Research Center Main activities: <ul style="list-style-type: none"> - National Information Center of European Research <p>A complex support to Czech entities in their involvement in the European Research area</p> <ul style="list-style-type: none"> - Technology transfer to commercial exploitation of research results to implementation of innovations in practice - Strategic Studies <p>It prepares conceptual documents for the state administration and its advisory bodies.</p> <p>It coordinates national and regional projects on identifying research priorities, strategic research directions preparation of research and innovation policies and innovation strategies.</p> <ul style="list-style-type: none"> - Czech Liaison Office for Research and Development in Brussels <p>Helps the Czech research to incorporate successfully into the European research cooperation</p>
Univerzita Karlova v Praze	Charles University Environmental Center	U Krize 8 CZ-15800 Praha 5	U Krize 8 CZ-15800 Prague 5	Czech Republic	Ph.: +420 251 080 202 Fax: +420 251 620 441	http://cozp.cuni.cz	E-Mail: czp@cuni.cz	Type of Organisation: University (Faculty of science) <ul style="list-style-type: none"> - Bachelor programs Biology, Special Chemical and Biological Programmers, Chemistry, Biochemistry, Clinical and Textological Analysis, Geology, Geography, Demography, Ecology and Environmental Protection - Master programs Biology, Special Chemical and Biological Programmers, Chemistry, Biochemistry, Clinical and Textological Analysis, Geology, Geography, Demography, Ecology and Environmental Protection

	Technical University of Denmark	Technical University of Denmark Anker Engelundsvej 1 Building 101A 2800 Kgs. Lyngby		Denmark	+45 45 25 25 25	www.dtu.dk	dtu@adm.dtu.dk	<p>Energy and environmental technology</p> <p>DTU conducts research into methods that can save energy wherever energy and fuels are converted and into methods for the production of sustainable energy. The DTU also conduct research into how to avoid and limit pollution from traditional energy sources, and research into developing engines that can run on biofuel.</p> <p>Biofuel is also another field in which DTU's researchers are very active. They conduct research into fuel cells, wind turbines, solar panels, biogas and how to reduce household energy consumption.</p> <p>Energy research is closely linked to environmental research which at DTU considers in depth the problems faced not only in Denmark but worldwide. Waste water research, for example, deals with how to avoid polluting areas near waste water treatment plants. They also research the impact of toxins on surroundings, how to reduce CO2 emissions by using insulation and how to purify the smoke from heat and power plants.</p>	
Technologisk Institut	Technological Institute			Denmark	+45 72 20 24 09	www.dti.dk	poul.jeremiassen@teknologisk.dk	<p>Danish Technological Institute occupies a crucial position at the point where research, business, and the community converge. The Institute's mission is to promote growth by improving interaction and encourage synergy between these areas.</p> <p>The Institute employs experts in hundreds of different fields at 34 centres organised under the auspices of the 5 organisational units that define the main parameters for their work:</p> <ul style="list-style-type: none"> - Building Technology - Industry and Energy - Business Development - Materials - Productivity and Logistics <p>The business area Energy comprises also renewable energies.</p>	
	Estonian Energy Research Institute	Akadeemia tee 23A, 12618 Tallinn, EESTI		Estonia	Tel 372 6703602 Faks 372 6703601	http://www.eeri.ee/index.html.en	Director Ulo Rudi Ylo.rudi@eeri.ee (+372) 6622101	<p>Main research trends</p> <ul style="list-style-type: none"> • Permanent analysis of the Estonian fuel and energy sector; • Participation in working out development plans for the fuel and energy sector; • Definition of optimal methods and capacities for the use of renewables; • Participation in joint international R&D programs. 	<p>Główne obszary działań:</p> <ul style="list-style-type: none"> • analiza sektora paliw i energii w Estonii oraz udział w wypracowywaniu planów; • określenie możliwości użytkowania OZE; • udział w międzynarodowych projektach naukowo-badawczych.
	EBA - Estonian Biomass Association	Kreutzwaldi 5 EE-44314 Rakvere Estonia		Estonia	Tel:+372 551 1545 Fax: +372 324 6461	www.eby.ee	eby@eby.ee	<p>Estonian Biomass Association (EBA) is a nonprofit organisation which was founded in Tallinn on May 8, 1998. EBA is a voluntary union of its members.</p> <p>EBA is engaged in renewable fuels research, resources estimation, sustainable development of renewable types of energy and promotion of the use of environmentally-friendly fuels at both the state and individual level.</p>	<p>Estońskie Stowarzyszenie Biomasy jest organizacją typu nonprofit, która została założona w Tallinie 8 maja 1998 roku. EBA zajmuje się badaniami nad OZE, szacowaniem zasobów naturalnych, promocją zrównowzonego rozwoju oraz przyjaznych środowisku paliw.</p>
	Estonian Energy Research Institute at Tallinn Technical University	1 Paldiski Road. 10137 Tallinn ESTONIA		Estonia	Tel:+3726622028 Fax: +3726613655	http://www.eeri.ee/	Ulo Rudi, PhD, Director eeri@eeri.ee	<p>Main research fields:</p> <ul style="list-style-type: none"> • Consistent analysis of the Estonian fuel and energy sector with proposals for the development of national energy strategy, energy taxation policy and pricing policy; • Energy efficiency and conservation; • Definition of optimal methods and capacities for the use of renewables; • Treatment of energy related environmental problems and definition of the optimal technical solutions. 	<p>Główne obszary działań:</p> <ul style="list-style-type: none"> • analiza sektora energii i paliw oraz propozycje rozwiązań dla narodowej strategii energetycznej, polityki podatkowej i cenowej; • efektywność i oszczędność energetyczna; • odnawialne źródła energii; • optymalizacja rozwiązań technologicznych.
	Rõuge Energiapark	Rouge Energy Centre Õobikuoru 1, EE-66201 Rouge, Vorumaa		Estonia	Tel: +372 78 59369 Fax +372 78 59312	http://www.rauge.ee/energiapark/	Antti ROOSE, Project Manager energiapark@rauge.ee	<p>Rõuge Energy Park (Rõuge Energiapark) was established in 2001. The aim of the energy park is to promote the use of renewable energy and innovative solutions of energy production as well as to provide information about energy savings. On the energy trail one can see how it is possible to get energy from water, sun, wind as well as from ground.</p>	<p>Rõuge Energy Park (Rõuge Energiapark) został stworzony w 2001 roku w celu promocji OZE, innowacyjnych rozwiązań z zakresu produkcji energii, jak również dostarczania informacji związanych z oszczędnością energii. Pokazuje możliwości otrzymywania energii z wody, słońca, wiatru lub ziemi.</p>
	Bayerisches Zentrum für Angewandte Energieforschung e.V. (ZAE Bayern)	Walther-Meissner-Strasse 6 D-85748 Garching		Germany	+49(0)89/329442-0	www.zae-bayern.de	Prof. Dr. Ulrich Slimming slimming@muc.zae-bayern.de	<p>The Bavarian Center for Applied Energy Research (ZAE Bayern) is a registered, nonprofit association, which was established in Würzburg in December 1991. The association operates as a research institute with about 154 employees at present in the three divisions in Würzburg, Erlangen and Garching. In 2006, ZAE Bayern's budget was about € 6.2 million. Institutional funding from the Bavarian Ministry of Economic Affairs, Infrastructure, Transport and Technology (BaySfMWIVT) was € 1.9 million.</p> <p>Tasks and aims</p> <ul style="list-style-type: none"> • development and investigation of materials, components and systems for energy technology • development of new, energy-saving techniques and concepts • development of regenerative energy sources, especially solar power 	<p>Das Bayerische Zentrum für Angewandte Energieforschung e.V. – kurz: ZAE Bayern ist ein eingetragener, gemeinnütziger Verein, der im Dezember 1991 mit Sitz in Würzburg gegründet wurde. Der Verein trägt ein Forschungsinstitut mit derzeit ca. 154 Mitarbeitern in den 3 Abteilungen in Würzburg, Erlangen und Garching. Der Haushalt des ZAE Bayern lag im Jahr 2006 (Plan) bei ca. 6,2 Mio. EUR. Die institutionelle Förderung durch das Bayerische Staatsministerium für Wirtschaft, Infrastruktur, Verkehr und Technologie (BaySfMWIVT) betrug 1,9 Mio. EUR.</p> <p>Aufgaben & Ziele</p> <ul style="list-style-type: none"> • Entwicklung und Untersuchung von Materialien, Komponenten und Systemen für den Einsatz in der Energietechnik • Entwicklung energiesparender neuer Techniken und Konzepte • Erschließung regenerativer Energiequellen, insbesondere der Sonnenenergie

Fraunhofer Institut für Solare Energiesysteme ISE Geschäftsfeld: Gebäude und Technische Gebäudeausrüstung	Fraunhofer Institute for Solar Energy Systems ISE Business area: Buildings and Technical Building Components	Heidenhofstr. 2 D-79110 Freiburg		Germany	+49 (0) 761 / 4588 - 5143	www.ise.fraunhofer.de	Dr.-Ing. Hans-Martin Henning hans-martin.henning@ise.fraunhofer.de	The Fraunhofer Institute for Solar Energy Systems ISE conducts research on the technology needed to supply energy efficiently and on an environmentally sound basis in industrialised, threshold and developing countries. To this purpose, the Institute develops systems, components, materials and processes in the areas of thermal use of solar energy, solar building, solar cells, electrical power supplies, chemical energy conversion, energy storage and the rational use of energy. The Institute's work ranges from fundamental scientific research relating to solar energy applications, through the development of production technology and prototypes, to the construction of demonstration systems. The Institute plans, advises and provides know-how and technical facilities as services.	Die Forschung des Fraunhofer-Instituts für Solare Energiesysteme ISE schafft technische Voraussetzungen für eine effiziente und umweltfreundliche Energieversorgung, sowohl in Industrieländern als auch in Schwellen- und Entwicklungsländern. Dazu entwickelt das Institut Materialien, Komponenten, Systeme und Verfahren auf den Gebieten: Solarthermie, Solares Bauen, Solarzellen, elektrische Energieversorgung, chemische Energiewandlung und Speicherung sowie rationelle Energienutzung. Die Arbeit des Instituts reicht von der Erforschung der naturwissenschaftlich-technischen Grundlagen der Solarenergienutzung über die Entwicklung von Produktionstechniken und Prototypen bis hin zur Ausführung von Demonstrationsanlagen. Das Institut plant, berät und stellt Know-how sowie technische Ausrüstung für Dienstleistungen zur Verfügung.
Fraunhofer UMSICHT Geschäftsfeld Energiesysteme	Fraunhofer UMSICHT Business area: Energy Systems	Osterfelder Str. 3 46047 Oberhausen		Germany	+49 208 8598-1195	www.umsicht.fraunhofer.de	Dr.-Ing. Christian Dötsch christian.doetsch@umsicht.fraunhofer.de	Fraunhofer UMSICHT develops applied and custom-made process engineering technologies. Assuming a leading position in the fields of environmental and material technologies, process engineering and energy technology, Fraunhofer UMSICHT is committed to sustainable economic development, environmentally friendly technologies and innovative approaches designed to improve the standard of living and to promote the innovation capacity of the national economy. Business areas: Renewable Resources Process Technology Biofuels Advanced Materials Information Technology in Process Engineering Energy Technology Resources Management	Fraunhofer UMSICHT entwickelt angewandte und industriennahe Verfahrenstechnik. Als Vorreiter für technische Neuerungen in den Bereichen Umwelt-, Werkstoff-, Prozess- und Energietechnik will Fraunhofer UMSICHT nachhaltiges Wirtschaften, umweltschonende Technologien und innovatives Verhalten voranbringen, um die Lebensqualität der Menschen zu verbessern und die Innovationsfähigkeit der heimischen Wirtschaft zu fördern.
Institut für Luft und Kältetechnik Gemeinnützige Gesellschaft mbH (ILK Dresden GgmbH)	Institut für Luft und Kältetechnik Gemeinnützige Gesellschaft mbH (ILK Dresden GgmbH)	Institut für Luft und Kältetechnik Gemeinnützige Gesellschaft mbH Bertholt-Brecht-Allee 20 01309 Dresden Deutschland		Germany	+49(0)351 4081 520	www.ilkdresden.de	Prof. Dr.-Ing Uwe Franke uwe.franke@ilkdresden.de	Research areas: - Air-conditioning and Energy - Refrigeration and Cryogenics - New Technologies/Materials	Das ILK Dresden ist mit 120 Mitarbeitern firmen- und branchenunabhängig und betreibt Forschung, Entwicklung und Technologietransfer bei aktuellen und zukunftsorientierten Aufgaben der Luft- und Kältetechnik einschließlich relevanter Nachbardisziplinen mit Projekten der öffentlichen Hand und im Industrieauftrag. Die Forschungsleistungen umfassen Studien, Konzepte, Verfahrens- und Produktentwicklungen, Beratung, Begutachtung, Konstruktionsleistungen, Messungen sowie Planung von Pilotanlagen. Mit hochmoderner Messtechnik können Komponenten und Anlagen der Luft- und Kältetechnik nach internationalen Standards geprüft werden. Unsere Prüf- und Versuchsstände stehen Partnern und Kunden zur Verfügung.
PSE AG	PSE AG			Germany	49 761- 479 14-14		Häberle info@pse.de	PSE AG is an interdisciplinary company providing services in research and development for the use of solar energy. Our principal areas of expertise are: * Solar thermal: solar thermal collectors (high and low temperature) and solar cooling * Photovoltaics: rural electrification and market development	Die PSE AG ist ein interdisziplinäres Dienstleistungsunternehmen für Forschung und Entwicklung zur Nutzung der Solarenergie. Wir haben unsere Kernkompetenz in drei Bereichen: Solarthermie: Solarthermische Kollektoren (Hoch-/Niedertemperatur) und Solares Kühlen Photovoltaik: Ländliche Elektrifizierung und Marktentwicklung
Solites	Solites	Nobelstrasse 15 D - 70569 Stuttgart		Germany		www.solites.de	Mangold info@solites.de	Spectrum on the field of renewable energies - consulting in funding and realisation of large solar thermal installations within the funding programme Solarthermie 2000plus - simulation studies on energetic-economically feasibility of energy systems - consulting in project management, construction, function check and financing of pilot plants - development of concepts for realisation of large heat and cold stores - analysis and consulting in concepts for sustainability on local level - education and workshops for planning and realisation of large solar thermal installations	Leistungsspektrum auf dem Gebiet der erneuerbaren Energien - Beratung zur Förderung und Realisierung von solarthermischen Großanlagen im Forschungskonzept Solarthermie2000plus - Simulationsstudien zur energetisch-wirtschaftlichen Machbarkeit von Energiesystemen - Beratung zu Projektmanagement, Anlagenbetrieb, Funktionskontrolle und Finanzierung von Demonstrationsanlagen - Erarbeitung von anwendungs-, standort- und kostenoptimierten Ausführungskonzepten für große Wärme- und Kältespeicher - Analyse und Beratung zur Umsetzung von energetischer Nachhaltigkeit auf lokaler Ebene - Schulungen / Workshops zu Planung und Umsetzung von solarthermischen Großanlagen
Technische Universität Berlin Fakultät III: Prozesswissenschaften, Institut für Energietechnik Fachgebiet: Maschinen- und Energieanlagentechnik	Technische Universität Berlin Faculty III: Prozesswissenschaften, Institut für Energietechnik Department: Maschinen- und Energieanlagentechnik	Technische Universität Berlin Institut für Energietechnik, KT 2 FG Maschinen- und Energieanlagentechnik Marchstraße 18 10587 Berlin		Germany	+49 314-25624	www.eta.tu-berlin.de	Prof. Dr.-Ing. Felix Ziegler	Field of investigation: - cryogenics (sorption technology) - efficient usage of energy - energy storage - renewable energies - use of biomass	Forschungsgebiete - Kältetechnik (Sorptionstechnik) - Rationelle Energieverwendung - Energiespeicher - Regenerative Energie - Energetische Nutzung von Biomasse und Reststoffen sowie Wasserstofftechnologie und Brennstoffzellen

Technische Universität Berlin Fakultät III: Prozesswissenschaften, Institut für Energietechnik Fachgebiet Energieverfahrenstechnik und Umwandlungstechniken regenerativer Energien	Berlin Institute of Technology Faculty III: School of Process Sciences and Engineering Department of Energy Engineering Chair for Energy Process Engineering and Conversion Technologies for Renewable Energies	TU Berlin FG EvUR Sekt. RDH 9 Fasanenstr. 89 10623 Berlin		Germany	+49 (30) 314-22756	www.evur.tu-berlin.de	Prof. Dr. rer. nat. habil. Frank Behrendt	Consequently an important section of energy process engineering is the fuel technology, which treats the supply of practical chemical energy sources from fossil fuels, increasingly in addition, renewable primary and residual products (biomass) as well as waste by chemical material transformation. In extension to the traditional activities of energy process engineering described above the emphasis of the transformation techniques of regenerative energy addresses technical development of thermal and biochemical energy. On the one hand the direct use of regenerative energy like the solar and environmental heat, geothermal energy and biomass belongs to these technologies and on the other hand technologies for their storage. Here the emphasis is set on the study of new technologies.	Ein wichtiges Teilgebiet der Energieverfahrenstechnik liegt konsequenterweise in der Brennstofftechnik, welche die Bereitstellung von anwendungsgerechten chemischen Energieträgern aus fossilen Brennstoffen, zunehmend aber auch nachwachsenden (Roh- und Reststoffen (Biomasse) wie auch aus Abfallstoffen durch chemische Stoffwandlung behandelt. In Erweiterung der oben beschriebenen traditionellen Aktivitäten der Energieverfahrenstechnik liegt der Schwerpunkt der Umwandlungstechniken regenerativer Energie bei der technischen Erschließung thermischer und biochemischer Energie. Hierzu gehören einerseits Technologien zur direkten Nutzung regenerativer Energie wie der Solarthermie, der Umweltwärme, der Geothermie und der Biomasse wie auch Technologien zu deren Speicherung. Hier wird der Schwerpunkt auf die Erforschung neuer Technologien gesetzt.
Universität Kassel - Institut für Thermische Energietechnik (ITE)	Kassel University Institute for Thermal Energy Technology	Kurt-Wolters-Straße 3 34109 Kassel Germany		Germany	+49) +561 804 3268	http://www.uni-kassel.de/fb15/ite/	Univ.-Prof. Dr.-Ing. W. Klose heinzen@uni-kassel.de	fields of activity: - thermodynamics - fluid flow engines - solar and systems engineering - regenerative energies and energy efficiency	Fachgebiete: - Thermodynamik, Nachwachsende Rohstoffe, Reaktionstechnik - Strömungsmaschinen - Solar- und Anlagentechnik - Regenerative Energien und Energieeffizienz
Universität Stuttgart, Institut für Thermodynamik und Wärmetechnik (ITW)	Universität Stuttgart, Institut für Thermodynamik und Wärmetechnik (ITW)	Universität Stuttgart Pfaffenwaldring 6 D - 70550 Stuttgart Germany		Germany	+49(0)711 / 685 63536	www.itw.uni-stuttgart.de/~www/ITWHomepage/ITWHome.html	Prof. Dr. Dr.-Ing. habil. H. Müller-Steinhagen pm@itw.uni-stuttgart.de	Fields of investigation in the area of solar heat supply - Heat transfer during change of physical conditions - Determination of material properties - Development of integral energy concepts The institute possesses an accredited laboratory for thermal solar plants and components.	Forschungsbereiche auf dem Gebiet der solaren Wärmeversorgung: - Wärmeübergang bei Aggregatzustandsänderungen - Bestimmung von Stoffeigenschaften - Entwicklung integraler Energiekonzepte Das Institut verfügt mit dem Forschungs- und Testzentrum über eine akkreditierte und weltweit anerkannte Prüfstelle für thermische Solaranlagen und ihre Komponenten.
Hochschule für Technik Stuttgart Fakultät: Bauingenieurwesen, Bauphysik und Wirtschaft Fachgebiet: Solares Heizen und Kühlen, Gebäudesimulation und - automation	University of Applied Sciences Stuttgart Faculty: civil engineering, building physics and economy Department: Solar heating and cooling, building simulation and automation	Hochschule für Technik Stuttgart Schellingstr.24, 70174 Stuttgart Postfach 101452, 70013 Stuttgart Germany		Germany	+49 (0)711/8926-2831		Prof. Dr. Ursula Eicker ursula.eicker@hft-stuttgart.de	Field of investigation: Use of solar energy and building physics	Forschungsfeld: Solarenergienutzung und thermische Bauphysik
Hochschule für Technik Stuttgart SENCE- Kompetenzzentrum Solarenergie		Schellingstr. 24 70174 Stuttgart Germany		Germany	+49/ 711/8926-2676		sence@hft-stuttgart.de	- solar heating and cooling - development of innovative components for air-conditioning and refrigeration - photovoltaics	- Solares Heizen und Kühlen - Photovoltaik - Entwicklung von innovativen Komponenten der Klima- und Kältetechnik
Institut für Solarenergieforschung in Hamel/Emmerthal (ISFH) und in der Abteilung Solarenergie des Instituts für Festkörperphysik der Leibniz Universität Hannover	Institut für Solarenergieforschung Hamel (ISFH)	Am Ohrberg 1 D-31860 Emmerthal		Germany	+49(0)5151-999 100	www.isfh.de	info@isfh.de	the purpose of the Institute for Solar Energy Research Hamel/Emmerthal (ISFH) is the promotion and execution of research and development in the field of solar energy utilization. The activities of the ISFH focus on applied research in photovoltaics and solar thermal energy conversion. ISFH puts much emphasis on higher education in applied solar energy research. Many students are currently working on their master thesis or their doctoral thesis. The institute is offering scientific services to the industry and other research institutions in the fields of solar thermal and photovoltaics. ISFH has the official relationship of an 'associated institute' of the Leibniz University of Hannover. The Institut für Solarenergieforschung Hamel (ISFH) is a non-profit organization funded by the State Government of Lower Saxony.	Wir entwickeln innovative Komponenten für eine photovoltaische und solarthermische Nutzung der Sonnenenergie. Das physikalische Verständnis der Komponenten und die Entwicklung kostengünstiger Herstellungsprozesse stehen im Zentrum unseres Interesses. Die am ISFH hergestellten Komponenten werden in Energiesystemen getestet, denn das Verhalten im System entscheidet über den Erfolg einer Entwicklung. Gemeinsam mit unseren Industriepartnern und unseren hoch motivierten Studenten und Studentinnen, die am ISFH Studien-, Diplom- oder Doktorarbeiten anfertigen, fördern wir die Solarenergienutzung durch Forschung und Innovation. Das ISFH ist ein An-Institut der Leibniz Universität Hannover und ist eine gemeinnützige GmbH.
Solar-Institut Jülich	Solar-Institut Jülich	Solar-Institut Jülich in der Fachhochschule Aachen Solar-Campus Jülich Heinrich-Mußmann-Str. 5 52428 Jülich		Germany	+49(0)241 6009 53532	www.fh-aachen.de	info-sij@fh-aachen.de	In the area of regenerative systems research and development works in the field of thermal use of solar energy are realised. The investigations comprise all temperature levels (low, medium and high temperature) as well as different areas of application like cooling, heating, hot water preparation, process heat, sea water desalination, solar cooking and baking and to the point of solar thermal power generation.	Im Projektbereich Regenerative Systeme werden Forschungs- und Entwicklungsarbeiten auf dem Gebiet der aktiven, thermischen Nutzung der Sonnenenergie durchgeführt. Das umfasst alle Temperaturbereiche von der Niedertemperatur über die Mitteltemperatur bis hin zu Hochtemperaturanwendungen sowie verschiedenste Anwendungsbereiche wie Kälteerzeugung, Raumheizung, Trinkwassererwärmung, Prozesswärme, Meerwasserentsalzung, Kochen und Backen bis hin zur solarthermischen Stromerzeugung.

ΕΚΕΦΕ ΔΗΜΟΚΡΙΤΟΣ (Εργαστήριο Ηλιακών και άλλων Ενεργειακών Συστημάτων)	NCSR DEMOCRITOS (Solar and other Energy Systems Laboratory –SESL)	GR 153 10 Αγία Παρασκευή Αττικής Τ.Θ. 60228	GR 153 10 Agia Paraskevi Attikis P.O. 60228	Greece	tel +30 210 6503815, fax +30 210 6544592		Dr. Belessiotis Vasilios, Physicist (Ph D), Researcher A', e-mail beles@ipta.demokritos. gr,	Type of Organisation: National Research Center, Laboratory of solar systems Research fields The laboratory conducts mainly applied research and experimental development, arising from the needs of the productive sector, the ties with which have been built through the services offered by the laboratory in a wide field of applications and over a number of years. However, in this effort the laboratory personnel is often faced with the need to answer questions that concern fundamental physical phenomena and expand the current knowledge, especially in the fields of fluid flow, heat/mass transfer and thermodynamics. Therefore, problems are often dealt with at the basic research level, by using suitable analytical methods (modelling and simulation) along with experimental methods. The specific research areas of SESL are : Solar collectors and systems <input type="checkbox"/> Design improvements of solar thermal collectors aiming at higher efficiencies, investigation of new materials for better performance, longer life cycles and better quality. <input type="checkbox"/> New technologies such as those based on heat pipes and Dewar-type	
Εθνικό Μετσόβιο Πολυτεχνείο	National Technical University of Athens	Ηρώων Πολυτεχνείου 9 15780 Ζωγράφου	Heroon Polytechniou 9, 15780 Zografou,	Greece	tel. +30 210 7722017, +30 210 7722006 Fax: +30 210 7722028	www.ntua.gr		Scientific research in N.T.U.A. is funded by both the public and private sectors, as well as by European Union sources. The Research Committee manages and controls the budget of research activities, withholding a 15% percentage from the budget of each research program. This percentage is allocated to a variety of activities, among which the support of undergraduate and postgraduate studies or the award of scholarships to both graduate and postgraduate students. Thermal Engineering section, industrial management, mechanical design and control systems, solar engineering unit, management unit of energy and environment systems etc.	
Εθνικό Αστεροσκοπείο Αθηνών Ινστιτούτο Ερευνών Περιβάλλοντος και Βιώσιμης Ανάπτυξης (ΙΕΓΒΑ)	National Observatory of Athens Institute of Environmental Research and Sustainable Development (IERSD)	Ι. Μεταξά & Βασιλέως Παύλου, Λόφος Κουρού, 152 36, Παλαιά Πεντέλη, Αθήνα	I. Metaxa & Vas. Pavliou, Lofos Koufou, GR 152 36, P. Penteli, Athens	Greece	Tel: +30 210 8032503	www.meteo.noa.gr	Mr Argiriou Athanasios E-mail: thanos@astro.noa gr	The Institute of Environmental Research and Sustainable Development (IERSD) is one of the five institutes that constitute the National Observatory of Athens (NOA), the oldest research center in Greece (the first meteorological observations began in 1846). Basic Activities The IERSD's aim is to promote environmental science and engineering. The IERSD is active in the following thematic areas: <ul style="list-style-type: none">• Meteorology / Weather Forecast• Climatology and Climate Change• Atmospheric Chemistry and Physics• Atmospheric Pollution monitoring and modelling• Solar and Wind Energy• Climate Change• Resource Management and Sustainable Development• Hydrology / Hydraulics• Water Resources Engineering• Numerical Modelling• Remote Sensing / Radar Meteorology• Energy Planning and Conservation• Geographical Information Systems (GIS) Goals The goals of IERSD's research and technology policy are: <ul style="list-style-type: none">• Expanding the Institute's research activities and International cooperations• Modernizing the Institute's scientific instruments, automating all activities related to meteorological observations and integrating all avail	
Interklima ABEE	Interklima SA	70ο χλμ Εθνικής Οδού Αθηνών - Λαμίας Τ.Θ. 19 173, 34 100 Χαλκίδα	70th km Athens - Lamia National Road P.O. Box 19 173, 34 100 Chalkis	Greece	Tel: +30 22620 85600 Fax: +30 22620 85728	http://www.interklima.gr/	Mr. Trifon BIZIMIS E-mail: sales@interklima.gr	Established in 1978, Interklima is today an international manufacturer of air conditioning systems with a wide range of products. Participated as coordinator or partner in various European and National R&D projects. Interklima has its own R&D department with a lab and environmental test chambers.	
Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης	Aristotle University of Thessaloniki	Πανεπιστημιούπολη ΑΠΘ Τ.Κ. 541 24 Θεσσαλονίκη	University Campus, Egnatia str. PO BOX 476 54124 THESSALONIKI	Greece	Tel: +30 2310 996011 Fax: +30 2310 996012	http://www.auth.gr	Prof. Nicolas Moussiopoulos E-mail: info_lhtee@aix.meng.a uth.gr	LHTEE is capable of offering various services either at national or at international level, individually or in collaboration with other laboratories and enterprises in the following fields: Environmental impact assessment studies. Planning and analysis of air pollution abatement strategies. Consulting services in atmospheric environment protection. Technoeconomical studies in energy technology and waste management. Risk management of industrial plants. Assessments for Life Cycle Analysis and eco-design. Implementation of environmental management tools and regulations (ISO 14001, EMAS, Eco-label, IPPC). Recycling assessment studies.	

Εθνικό & Καποδιστριακό Πανεπιστήμιο Αθηνών	National & Kapodistrian University of Athens	Τμήμα Γεωλογίας και Γεωπεριβάλλοντος Πανεπ. Αθηνών, Σχολή Θετ. Επ/μών, Τμ. Γεωλογίας και Γεωπεριβάλλοντος Παν/πολι, 15701 Ιλίσια (2ος όροφος)	Faculty of Geology and Geoenvironment Univ. of Athens, School of Sciences Faculty of Geology and Geoenvironment Panep/poli, 15701 Ilissia (2nd floor)	Greece	Tel: +30 210 7274174	http://www.geol.uoa.gr/	Prof. Michalis Dermitzakis E-mail: mdermi@geol.uoa.gr	The Laboratory of Geophysics is assigned to the Department of Geophysics and Geothermics, and was established in the Faculty of Geology of the University of Athens in 1999. Its purpose is to serve and promote the educational and research needs and activities of the various faculties of the University of Athens. The imperative need for the implementation and use of the recent applications of Space Technology in Applied Geophysics and other fields of Geosciences led to the establishment of the "Space Applications Research Unit if Geosciences", a research unit assigned within the activities of the Geophysics Laboratory
Κέντρο Ανανεώσιμων Πηγών Ενέργειας	Centre for Renewable Energy Sources		19th km Marathonos Ave, 19009, Pikermi Attiki	Greece		http://www.cres.gr		
	Budapest University of Technology and Economics, Department of Energy Engineering	Bertalan Lajos u. 4-6. (D building) 301 1111 Budapest		Hungary	Tel: +36-1-463-2613 Fax: +36-1-463-1762	www.energia.bme.hu	bihari@energia.bme.hu	
Szent István University		Páter Károly u. 1. 2103 Godollo		Hungary	Tel: +36-28-522-001 Fax: +36-28 410-804	www.sziu.hu	rector@szie.hu	
	Western Hungarian University, Department of Energetics	Ady Endre u. 5. 9400 Sopron		Hungary	Tel: +36-99-518-189 Fax: +36-99-518-111	www.nyme.hu	emki@emk.nyme.hu	
	Institute of Energy and Quality Management, Department of Combustion Technology and Thermal Energy	H-3515 Miskolc		Hungary	Tel: +36-46-565-108 Fax: +36-46-431-820	www.combustion.uni-miskolc.hu	tuzadmin@uni-miskolc.hu	
	Energy Centre PSC.	Váci út 45. 1134 Budapest		Hungary	Tel.: +36-1-802-4300 Fax: +36-1-802-4301	www.energycentre.hu	office@energjakozpont.hu	
Trinity College Dublin, Dept. of Civil, Structural and Environmental Engineering	Trinity College Dublin, Dept. of Civil, Structural and Environmental Engineering	Department of Civil, Structural & Environmental Engineering, Museum Building, Trinity College, Dublin 2, Ireland		Ireland	+353 1 896 1457 / +353 1 6773072	www.tcd.ie	civeng@tcd.ie	Department of Civil, Structural & Environmental Engineering at Trinity College Dublin. Our research focuses on quantitative and analytical methods, the application of innovation and the development and use of new technology to solve problems in the natural and built environments. We work with industry, governments and universities across the world on research which has economic, social, political, scientific and engineering dimensions. research topics include: Thermochemical conversion of biomass to bio-fuels; Modelling Carbon Tax Policy; Economic and Energy balance of energy crops
University College Dublin - Energy Research Group	University College Dublin - Energy Research Group	UCD Energy Research Group, School of Architecture, Landscape & Civil Engineering, Richview Belfield, Dublin 4, Ireland		Ireland	+353.1-269 2750 / +353.1-716 2690	http://erg.ucd.ie	erg@erg.ucd.ie	Since 1975 the Energy Research Group, University College Dublin has earned an international reputation for its expertise in the theory and application of sustainable strategies in the design and construction of buildings. Through participation in EU and nationally supported programmes and its consultancy activities ERG's team of architects and engineers are committed to furthering energy-conscious and environmentally responsible design among the building professions. The group offers a comprehensive range of services to government, private, commercial, research and utility clients.

Centre for Renewable Energy at Dundalk Institute of Technology (CREDIT)	Centre for Renewable Energy at Dundalk Institute of Technology (CREDIT)	Centre for Renewable Energy, Dundalk Institute of Technology, Dublin Road, Dundalk, County Louth, Ireland		Ireland	+353 42 937 0574	http://ww2.dkit.ie	credit@dkit.ie	The Pilot Community Energy Initiative for North East provided funding from Sustainable Energy Ireland (www.sei.ie) under the Renewable Energy Heat Deployment Programme (ReHeat) for the installation of a select number of renewable energy technologies in the commercial, industrial, services and public sectors and also includes community organisations and Energy Supply Companies (ESCOs). The technologies that were eligible for funding under the CEI pilot in programme 2006 were: Solar Thermal Systems, Heat Pumps, Wood Pellet Stoves and Boilers, Wood Chip Burners. Funding for such installations under the CEI programme by LEADER companies ended in December 2006. Case studies are now available for seven installations that were funded in the North East. This initiative was supported by Sustainable Energy Ireland (SEI) and was co-ordinated by the Centre for Renewable Energy (CREDIT) at Dundalk Institute of Technology (DIT) who along with Meath Energy Management Agency (MEMA) and Carlow/Kilkenny Energy (CKEA) provided expertise for technical assessments of the project proposals for the LEADER groups.
University College Cork - Sustainable Energy Research Group	University College Cork - Sustainable Energy Research Group	University College Cork, SERG, Cork, Ireland		Ireland	+353 21 4903037 or +353 21 490 3000	www.ucc.ie/serg	b.ogallachoir@ucc.ie	The Sustainable Energy Research Group (SERG) investigates and models sustainable energy systems. The main fields of research include: Wind Energy Conversion Systems with Energy Storage; Wind Energy Forecasting; Fuel Cells; Energy Policy Research; Modelling Energy Supply and Demand; Bioenergy Systems; Biogas from Waste and Energy Crops; Wave energy. The University has also developed a Masters in Engineering Science in Sustainable Energy, in recognition of the growing international market for sustainable energy systems and the shortage of qualified engineers. This programme builds on and harnesses the University's track record in research, applied research and demonstration projects in the field of sustainable energy for over 25 years.
Cork Institute of Technology - Energy Engineering Group	Cork Institute of Technology - Energy Engineering Group	Cork Institute of Technology, Eeg, Rossa Avenue, Bishopstown, Cork		Ireland	+353 21-4326100 / +353 21-4545343	www.cit.ie		The Energy Engineering Group (EEG) is in operation since 1996, resulted from the combined interests and commitments of those involved, and their diverse but complimentary activities. The group is comprised of staff across a number of departments including Electronic Engineering, Electrical Engineering, Mechanical and Manufacturing Engineering and Building & Civil Engineering. The EEG operates as a very successful example of the real and tangible benefits that accrue from genuine multi-disciplinary research. The goal of the EEG is to promote practical energy saving and renewable energy technologies within a wide spectrum of industrial, institutional and commercial enterprises. The groups overall aims are: to promote the expansion of research and development potential of renewable energy and energy saving technologies at post graduate and undergraduate level; To augment, support and encourage the application of appropriate energy technologies in areas of technical education, primarily at tertiary level but also in other appropriate areas of technical and vocational education and training; To establish links with indigenous
Tipperary Institute of Technology	Tipperary Institute of Technology	Tipperary Institute of Technology, Nenagh Road Thurles, Tipperary, Ireland		Ireland	+ 353 504 28000 / +353 504 28001	www.tippinst.ie	info@tippinst.ie	North Tipperary is set to become a beacon of sustainable energy use in Europe following the awarding of €4.1 million in EU grant-aid to make existing homes in the area more energy efficient, and to develop the renewable energy district heating system at Ireland's first eco-village, in Cloughjordan. Residents of Toomevara, Borrisokane, Terryglass, Dromineer and Ballingarry, as well as other rural dwellers in the area, will be able to apply to North Tipperary County Council for grants for energy efficient upgrades including roof and wall insulation, energy-efficient windows and state-of-the-art heating controls. Tipperary Institute's Seamus Hoynes is co-ordinator of the project, known as SERVE (Sustainable Energy for the Rural Village Environment). Funded under the EU CONCERTO Programme, it aims to develop a sustainable energy community in North Tipperary which will include: - Development of the eco-village in Cloughjordan which will include 132 energy efficient houses and be heated 100% for renewable energy via district heating system

Sligo Institute of Technology - Department of Civil Engineering	Sligo Institute of Technology - Department of Civil Engineering	Institute of Technology Sligo, Ballinode, Sligo, Ireland		Ireland	+353 (0) 719155222 of +353 (0) 719155221 / +353 (0)719160475	www.itsligo.ie	hanley.jim@itsligo.ie	The Department of Civil Engineering and Construction is one of three academic departments within the School of Engineering and runs courses in Civil Engineering, Construction Studies, Water Engineering, and Construction Economics, and post graduate studies. Relevant competences include: Clean Energy Technologies; Energy and Environment; Energy and the Built Environment; Energy Management; Energy Auditing; Energy Efficient Technologies. These are also part of a MSc in Energy Management which focuses on energy management and conservation in the built environment, i.e. private dwellings, industrial and public sector buildings.	
Electricity Supply Board	Electricity Supply Board	Electricity Supply Board, 27 Lower Fitzwilliam Street, Dublin 2, Ireland		Ireland	+353 1 8581 486	www.esb.ie	archive@esb.ie	Electricity Supply Board (ESB) is a leading electricity utility in Ireland, involved in electricity generation, distribution, and supply. The state-owned company has several divisions that operate independently in the electricity market. It operates primarily in Ireland. ESB is headquartered in Dublin, Ireland and employs about 9,600 people. ESB is one of the commercial semi-state bodies which carry out significant R&D in the energy area but which is often commercially sensitive and therefore confidential.	
Bord na Mona	Bord na Mona	Bord na Móna Plc., Main Street, Newbridge, Co Kildare, Ireland		Ireland	+353 45 439000 / +353 45 439001	www.bnm.ie/		Bord na Móna Energy Limited is one of Ireland's foremost heat and power providers. The company is responsible for the supply of 38% of the energy derived from indigenous resources. The company has 8 active production centres, mainly located in the Midland counties of Ireland. It harvests milled peat using large scale surface mining techniques and supplies the peat feedstock for electricity generation, Bord na Móna Peat Briquette production and horticultural product processing, with its operations primarily located in underdeveloped rural areas. Bord na Móna Energy Limited owns significant peat resources, and looks into their efficient utilisation for energy supply. It is already a participant in the wind energy business, and its medium-term strategy is geared towards the generation of electricity from wind and from other renewable energy sources. Bord na Móna carries out significant R&D in the energy area but this research is often commercially sensitive and therefore confidential.	
Kingspan Century	Kingspan Century	Clones Road, Monaghan, Co. Monaghan, Ireland		Ireland	+353 (0)47 81270 / +353 (0)47 84397	www.century.ie	sales@century.ie	The Kingspan Century Formula 1 House aims to develop a high performance low energy and low CO2 house that is easily built, practical and economic in the medium term. The design targets energy savings in the region of 80% compared to current standards, through balancing issues such as insulation levels, air leakage, heating and ventilation systems and costs. Demand for attractive, affordable and comfortable housing with superior energy and environmental performance is expected to appeal to housebuyers conscious of the cost and comfort benefits of energy efficiency. The company intends to 'future-proof' its designs to take account of rising energy prices and growing environmental concerns, ensuring a higher resale value in the future in the process. With the introduction of the EU Directive on the Energy Performance of Buildings (EPBD), buyers in future will be made aware of the energy performance of a house when making a purchasing decision. With the average annual household energy spend now running at approximately €1,700, the ability to be able to compare housing energy ratings is becoming	

ENEA (Ente per le Nuove tecnologie, l'Energia e l'Ambiente) - DIPARTIMENTO TECNOLOGIE PER L'ENERGIA, FONTI RINNOVABILI E RISPARMIO ENERGETICO	Italian National Agency for New Technologies, Energy and the Environment - DEPARTMENT OF ENERGY TECHNOLOGIES, FOR ENERGY, RENEWABLE SOURCES AND ENERGY SAVING	ENEA - Centro Ricerche Casaccia Via Anguillarese, 30 00123 S. Maria di Galeria (Rome)	RM	Italy	Tel. +39 06 30483039 Fax +39 06 30484990	http://www.enea.it/coling/Attiv/Ter.html	Department Director: Giorgio Palazzi e-mail: palazzi@casaccia.enea.it	<p>Research lines:</p> <p>Renewable sources</p> <ul style="list-style-type: none"> * Thermo-dynamic solar power: development of technologies for production of electrical energy and hydrogen through high-temperature heat generation using concentrating solar power (CSP) systems. * Concentrated solar-cell technology: optimisation of crystalline silicon processes and technology; development, on an industrial scale, of thin-film devices and concentration cells; development on next-generation devices. * Biomasses: transfer of innovative, more efficient and less polluting technologies to the national manufacturing system; development of innovative processes. * Mid- and low-temperature solar thermal power: testing and energy characterisation of solar collectors and analysis of solar-cooling environmental climatisation technologies. * Energy efficiency * Civil sector / * Industrial sector / * Dissemination of energy conservation practices <p>Mobility and transport</p> <p>Advanced energy production</p> <p>* hydrogen and fuel cells / * clean coal / * energy engineering</p>	<p>Linee programmatiche di ricerca:</p> <p>Fonti rinnovabili</p> <ul style="list-style-type: none"> * Solare termodinamico: messa a punto di tecnologie utili alla produzione di energia elettrica e di idrogeno, mediante calore ad alta temperatura generato con impianti solari a concentrazione. * Tecnologia fotovoltaica: ottimizzazione di processi e tecnologia del silicio cristallino; sviluppo, a livello industriale, di dispositivi a film sottile e celle per la concentrazione; sviluppo di dispositivi di nuova generazione. * Biomasse: introduzione nel sistema nazionale di tecnologie innovative più efficienti meno inquinanti, studio e sviluppo di processi innovativi per i biocombustibili. * Solare termico a medie e basse temperature: qualificazione e caratterizzazione energetica dei collettori solari e studio di tecnologie di 'solar cooling' di climatizzazione ambientale. * Efficienza energetica * Settore civile / * Settore industriale / * Diffusione del risparmio energetico <p>Mobilità e trasporti</p> <ul style="list-style-type: none"> * sistemi per la mobilità e i trasporti / * tecnologie per veicoli innovativi <p>Energetica avanzata</p> <ul style="list-style-type: none"> * idrogeno e celle a combustibile / * carbone pulito / * ingegneria energetica
EURAC Research Accademia Europea	EURAC Research - European Academy	Viale Druso 1 39100 Bozen-Bolzano	BZ	Italy	+39/0471/055334 +39/0471/055339	http://www.eurac.edu/index_it	Francesco Besana Junior researcher francesco.besana@eurac.edu	<p>The Institute for Renewable Energy supports industry partners in the implementation and launch of innovative energy technologies by offering services such as the monitoring of pilot and demonstration plants as well as system simulation and optimisation. Thus, the institute is able to ensure its partners a head start in the market.</p> <p>In addition to the above activities which include a variety of technologies, the institute continuously gathers up-to-date specialist knowledge in particular fields of research according to regional opportunities and demands.</p> <p>Currently, the fields of major interest are solar energy, especially solar air conditioning (solar cooling) and photovoltaics, as well as the energy management in buildings.</p> <p>Furthermore, the Institute through its activities supports the promotion of renewable energy technologies and assists political decisions as a scientific consultant.</p>	<p>L'Istituto per le Energie Rinnovabili favorisce ed appoggia partner industriali nella sperimentazione e l'implementazione di tecnologie energetiche innovative offrendo servizi quali il monitoraggio di impianti pilota, la simulazione di sistemi ed una loro ottimizzazione. Questi servizi hanno l'obiettivo di assicurare ai partner un vantaggio tecnologico nel mercato.</p> <p>In aggiunta ai servizi sopra elencati, che comprendono una vasta gamma di tecnologie, l'Istituto si impegna in un continuo sviluppo delle proprie conoscenze tecnico-scientifiche in particolari aree di ricerca - in accordo con le opportunità e le richieste regionali.</p> <p>Al momento gli studi maggiormente sviluppati riguardano: l'energia solare, specialmente nel raffreddamento solare nel settore fotovoltaico, e la gestione energetica degli edifici.</p> <p>In conclusione, l'Istituto supporta attraverso le sue attività il potenziamento delle tecnologie che si servono di energie rinnovabili e si pone come consulente scientifico in situazioni che coinvolgono decisioni politiche.</p>
LABOR srl		Sede di TRIESTE Area Science Park - Palazzina L2 Padriciano 99 34012 Trieste	TS	Italy	Tel/fax + 39 040 375 5631	http://www.labor.eu.net		<p>LABOR is a private laboratory for applied research, it is partner in a research group lead by the spanish company IBE SL, active in the development of a family of solar systems both thermal and photovoltaic Thermo-PhotoVotalic Systems, TPVS, with a high level of architectural integration in the building.</p> <p>Main research topic in the TPVS field are:</p> <p>Thermal Shield - it is integrated in the building on the sunny side, it absorbs the solar radiation thank to a fluid flowing inside it and use the heat for space heating or hot sanitary water production, while decreasing the thermal load of the building.</p> <p>alluminium, ceramic and transparent thermal shield have been developed.</p> <p>Transparent photovoltaic cells: they can be integrated in windows, with different colour shades.</p>	<p>LABOR è un laboratorio privato di ricerca applicata, partecipa ad un gruppo di ricerca guidato dalla società spagnola IBE SL impegnato nello sviluppo di una famiglia di sistemi solari termici/fotovoltaici (Thermo-PhotoVotalic Systems, TPVS) ad elevata integrazione nella struttura edilizia.</p> <p>Principali temi di ricerca del settore TPVS:</p> <p>Gli scudi termici: elementi che, integrati nelle strutture dell'edificio poste nelle zone irraggiate, captano la radiazione solare per mezzo di un fluido che scorre al loro interno e la trasformano in calore utile da destinare al riscaldamento climatico o a quello dell'acqua sanitaria, attraverso sistemi di scambio e accumulo termico, riducendo il carico termico dell'edificio. Sono stati sviluppati i seguenti tipi di scudi termici: Scudo termico di alluminio, Scudo termico ceramico, Scudo termico trasparente</p> <p>Le celle fotovoltaiche trasparenti: elementi che trasformano l'energia solare dello spettro visibile direttamente in elettricità integrabili in vetrate, lucernari e finestre realizzabili con diverse colorazioni.</p>
Laboratorio ECATE - LEAP - Laboratorio Energia e Ambiente Piacenza	ECATE - LEAP laboratory Efficiency and Environmental Compatibility of Energy Technologies	Sede operativa via Nino Bixio, 27 29100 Piacenza	PC	Italy	Tel. 0523.579774 - 0523.356879 Fax 0523.623097	http://www.aster.it/eca.html www.leap.polimi.it	ing. Paolo Anelli +390523579774 paolo.anelli@polimi.it	<p>The laboratory is one of the High Technology Network of the Region Emilia-Romagna</p> <p>Research focuses on the development of high-efficiency and low environmental impact energy technologies and, in particular, on the creation of (1) advanced technologies for the generation of electric and thermal power and (2) technologies aimed at reducing the greenhouse effect.</p> <p>Research activities are conducted side by side with certification activities and product development in close cooperation with the industry.</p> <p>Some research activities focus on thermal energy (large scale), cogeneration, use biomass on a large scale.</p> <p>Coordinated by: Milan Polytechnic, Development Centre of Piacenza</p>	<p>Il laboratorio è parte della Rete Alta tecnologia della Regione Emilia-Romagna</p> <p>Il Laboratorio ECATE - LEAP si occupa di ricerca applicata, sperimentazione, sviluppo e trasferimento di tecnologie energetiche ad alta efficienza e ridotto impatto ambientale, e in particolare di (1) tecnologie avanzate per la generazione di energia elettrica e termica, (2) tecnologie per la mitigazione dell'effetto serra</p> <p>Le attività di ricerca sono condotte parallelamente a quelle di certificazione e di sviluppo di prodotti, in collaborazione con l'industria.</p> <p>Alcuni dei temi di ricerca riguardano l'energia termica (larga scala), la cogenerazione e l'uso di biomasse su larga scala</p> <p>Il Laboratorio è coordinato dal Politecnico di Milano, Centro di Sviluppo del Polo di Piacenza</p>

Laboratorio ERG Laboratorio per la ricerca e il trasferimento tecnologico nel settore energia	ERG laboratory Networked Laboratory for Research and Technological Transfer in the Energy Sector	Strada Statale Selice, n. 47 40026 Imola (BO)	BO	Italy		http://www.aster.it/erg.htm http://minotauro.enea.it:8080/	Ing. Nicola Contrisciani nicola.contrisciani@bologna.enea.it	The laboratory is one of the High Technology Network of the Region Emilia-Romagna. ERG was created with the objective of promoting applied research, innovation and technology transfer in the regional energy system across all areas, from planning and design to management, maintenance and control of energy generating enterprises. The activities of the laboratory involve applied research for a range of key issues in the energy sector encompassing the manufacturing of components, fuel and bio-fuels supply, energy generation and transport. Ongoing activities: • Micro and multi-generation - Energy cycles: Optimisation of frigorific, thermal and electrical power generating systems and rationalisation of the exploitation of primary energy sources; • Energy applied to the transport sector - Innovative energy vectors: Research and road plus bench testing of hybrid fuel cell vehicles; Development of a small equipment network for the qualification of components for innovative energy vectors such as hydrogen-based systems; • Energy generated from renewable sources: Integration of photovoltaic and ceramic • Energy efficiency - Energy systems and networks: innovative techniques for the development of Coordinated by: ENEA, National Body for New Technologies, Energy and the Environment	Il laboratorio è parte della Rete Alta tecnologia della Regione Emilia-Romagna. ERG è stato creato con l'obiettivo di promuovere la ricerca applicata, rinnovazione e trasferimento di tecnologia nel sistema energetico regionale, in tutte le aree, dalla pianificazione e progettazione alla gestione, manutenzione e controllo nel settore di produzione energetica. Le attività del laboratorio includono la ricerca applicata su un insieme di argomenti chiave nel settore energetico, che vanno dalla produzione di componenti, la fornitura di carburanti e biocarburanti, produzione e trasporto di energia. Attività in corso • Micro e multi-generazione - Cicli Energetici: Ottimizzazione dei sistemi di produzione di energia frigorifera, termica ed elettrica e razionalizzazione dello sfruttamento di risorse energetiche primarie; • Energia applicata al settore dei trasporti - vettori energetici innovativi: Ricerca e collaudo (a banco e su strada) di veicoli ibridi a celle a combustibile; sviluppo di piccole reti equipaggiate per vettori energetici innovativi quali sistemi a idrogeno; • Energia da fonti rinnovabili: integrazione del fotovoltaico nei materiali ceramici per • Efficienza Energetica - sistemi e reti: tecniche innovative per la sostenibilità ambientale Il laboratorio ERG è coordinato da ENEA, Ente Nazionale per le Nuove tecnologie,
LITC, Istituto per le Tecnologie della Costruzione - Consiglio Nazionale delle Ricerche (CNR)	ITC, the Construction Technologies Institute - Italian National Research Council (CNR)	Sede di Padova: Corso Stati Uniti, 4 - 35127 Padova (PD)	PD	Italy	Telefono: 049 8295611 Fax: 049 8295728	http://www.itef.pd.cnr.it	Girolamo Panozzo girolamo.panozzo@itc.cnr.it	ITC carries out its activity in research, development, technological transfer and training in several scientific fields, in particular in: conditioning, heating, cooling and technological plants for construction; ITC Staff : 120 people (Researchers, technicians, administrative) ITC Budget 2002 : 8.8 million EURO	Tra le linee di ricerca anche il <u>Condizionamento dell'aria, riscaldamento, refrigerazione ed impianti tecnologici per la costruzione.</u> Personale ITC : 120 dipendenti (Ricercatori, tecnici, personale amministrativo) ITC Budget 2002 : EURO 8.8 milioni
Politecnico di Milano - Dipartimento di Energetica		p.zza Leonardo Da Vinci 32 20133 Milano	MI	Italy	tel. +39 02 2399 3818 fax +39 02 2399 3868	http://www.energ.polimi.it/	Dott. Mario Motta mario.motta@polimi.it	Some research lines: - thermal exchange - Energy savings and air conditioning of closed environment - thermal storage - combustion processes - machine working with fluids (turbo-machine, compressors and turbines) - machine working with CIC alternative fluids	Alcune linee di ricerca: - scambio termico - condizionamento e risparmio energetico in ambienti confinati - accumuli termici - processi di combustione - macchine a fluido (turbomacchine, compressori e turbine) - macchine operanti con fluidi alternativi ai clorofluorocarburi
Politecnico di Torino - Dipartimento di Energetica	Turin Polytechnic - Energetic Dept.	Corso Duca degli Abruzzi, 24 - 10129 Torino Castello del Valentino, Viale Mattioli, 39 - 10125 Torino	TO	Italy	Tel. +39 011 564 4400 Fax +39 011 564 4499	http://www.polito.it/ricerca/dipartimenti/dener/	Direttore: Giovanni Vincenz Fracastoro giovanni.fracastoro@polito.it tel + 39 0115644401 / 4438	Energy in all its forms is at the centre of the work done in the Department of Energetics (DENER). Teaching and research is carried out in fundamental and pioneer areas related to energy. These include nuclear fission and fusion, aerospace propulsion, aerodynamics and pneumatics, internal combustion engines, energy modelling and planning, the environmental impact of energy systems, thermo-economics, safety and reliability analysis, indoor environmental engineering (acoustics, lighting, indoor climate control, air quality), combustion, renewable energy.	Il Dipartimento di Energetica (DENER) pone al centro della propria attività l'energia in tutte le sue forme, sviluppando attività di ricerca e didattica in settori fondamentali e di frontiera quali: fissione e fusione nucleare, propulsione aerospaziale, aerodinamica e pneumatica, motori a combustione interna, modellistica e pianificazione energetica, impatto ambientale dei sistemi energetici, termoeconomia, analisi di sicurezza e affidabilità, ingegneria dell'ambiente interno (acustica, illuminazione, inaffollamento, qualità dell'aria), combustione, energie rinnovabili
REFMAG Liguria gruppo di ricerca interdipartimentale per la refrigerazione magnetica (Università di Genova, DIPTM +	REFMAG Liguria Interdepartmental partnership on the Magnetic refrigeration	Via all'Opera Pia 15/a 16145 Genova	GE	Italy	+39/010 - 353 2861 +39/010 - 311 870	http://www.refmag.it	Work group: F. Scarpa ed L.A. Tagliafico (ingegneria, campi magnetici) F. Canepa (chimica dei materiali ad effetto magnetocalorico) tgi@dipec.unige.it canepaf@chimica.unige.it	The laboratory was born as a Regional project, from the collaboration of 2 Departments of university of Genova: Chemistry and Industrial Chemistry Department and Thermal Engineering and Environmental Conditioning Division Research field: Magnetic Refrigeration	Il laboratorio nasce come progetto della Regione Liguria dalla collaborazione di 2 Dipartimenti dell'Università di Genova, il Dipartimento di Chimica e Chimica Industriale e la divisione di TermoEnergetica e Condizionamento ambientale Tema di ricerca: REFRIGERAZIONE MAGNETICA
Università di Bologna - DIENCA (Dipartimento di Ingegneria Energetica, Nucleare e del Controllo Ambientale)	University of Bologna - DIENCA Dept.	Viale Risorgimento, 2 - 40136 Bologna	BO	Italy	tel.+39 051 20 93281 fax.+39 051 20 93296	http://www.dienca.unibo.it/DIENCA/default.htm		- Applied research in acoustic: Thermodynamics, heat transfer, technical Lighting and a special focus on civil applications of plants, applied acoustic. - Thermo-fluid Dynamics	- Acustica applicata L'attività di ricerca è stata inizialmente avviata in tutti i settori della Fisica Tecnica (Termodinamica, trasmissione del calore, impiantistica civile, illuminotecnica, acustica applicata) e si è poi specializzata sull'acustica applicata e l'impiantistica civile. - Termofluidodinamica
Università di Firenze - Dipartimento di Energetica "Sergio Stecco"	Energetic Department "Sergio Stecco" - University of Florence	Via S.Marta 3, 50139 - Firenze Via C. Lombroso 6/17, 50134 - Firenze	FI	Italy	Tel. +39 055 4796 340 - Fax. +39 055 4796 342 (via S. Marta) Tel. +39 055 4796 701 - Fax: +39 055 422413 (via Lombroso)	http://www.de.unifi.it/		Scientific research in the field of the energy conversion, power plants and machines used within these processes, linked together the sectors of Power Plants, Heat Transfer and Thermodynamics, Mechanical Plants and a part of the sectors of Numerical Analysis, Chemistry and Physics.	Ricerca scientifica nei settori di Macchine, Fisica Tecnica, Impianti Meccanici e parti dei settori di Analisi Numerica, Chimica e Fisica; sviluppo e il coordinamento delle ricerche e degli studi nel campo della conversione dell'energia, degli impianti e delle macchine impiegati in tali processi.

Università di Genova - DITEM - sezione TEC (termoenergetica e condizionamento ambientale)	University of Genoa - Dept. DIPTTEM - Division of Thermal Engineering and Environmental Conditioning	via all'Opera Pia 15/a 16145 Genova	GE	Italy	+39/010 - 353 2861 +39/010 - 311 870	http://www.ditec.unige.it/index.jsp?xscreen=1024&ysscreen=768&lang=EN&noProxy=1185875714734	Prof. Enrico Nannei	The TEC Division of the DIPTTEM develops researches about environmental conditioning and technical plants with particular reference to setting-up of procedures for valuation of energetic performances of building components and buildings, orientated to energetic saving but also to analysis of thermo-hygro-metric and acoustic environmental conditions. Researches are managed mainly by numerical models supported with experimental tests about thermo-physical properties of materials and functional characteristics of the components of plants. Most recent research activities regard: - Experimental activity about a new building in Genoa; - Drycomfort: membrane dehumidification for energy saving and comfort efficient air handling systems in fixed and mobile applications; - Study of health rules for houses; - Study of environmental advantages relevant to use of efficient electrotechnology; - Feasibility study of air-conditioning plant of Mole Vanvitelliana in Ancona; - Study of systems and innovative components for environmental check; - Study about hygrometrical control of air on storage batteries for refrigeration; - Thermo-energetics and economical and environmental aspects in thermal and fr	La Sezione TEC del DIPTTEM sviluppa ricerche sul condizionamento ambientale impianti tecnici con particolare riferimento alla messa a punto di procedure per la valutazione delle prestazioni energetiche di componenti edilizi e di edifici finalizzate, anche al risparmio energetico, anche all'analisi delle qualità dell'ambiente dal punto di vista termigrometrico ed acustico. Le ricerche sono condotte prevalentemente mediante modelli numerici suffragati da indagini sperimentali che riguardano le proprietà termofisiche dei materiali e le caratteristiche funzionali di componenti di impianto. Temi di ricerca più recenti: * Attività sperimentale su un immobile di nuova costruzione sito in Genova ; * Drycomfort: membrane dehumidification for energy saving and comfort efficient air handling systems in fixed and mobile applications; * Studio dei requisiti igienici di locali di civile abitazione; * Studio dei vantaggi ambientali connessi all'impiego di elettrotecnologie efficienti; * Studio di fattibilità dell'impianto di climatizzazione della Mole Vanvitelliana di Ancona; * Studio di sistemi e componenti innovativi per il controllo ambientale; * Studio sul controllo igrometrico dell'aria su batterie di refrigerazione ;
Università di Palermo - Dipartimento di Ricerche energetiche ed ambientali		viale delle Scienze 90128 Palermo	PA	Italy	tel. +39 091 236111 fax +39 091 484425	http://www.dream.unipa.it/dream/	direttore: prof. Giorgio Beccali dream@dream.unipa.it	Research sectors: <u>Solar thermal collectors</u> / flat plate solar collector / concentrating solar collectors <u>Solar Desiccant Cooling Systems</u> <u>Design of passive solar buildings</u> <u>Solar Low Energy Buildings</u> <u>refrigeration systems</u> <u>thermoacoustic refrigerators</u> <u>Heat exchange in the energy processes</u> <u>Solar powered lithium bromide absorption refrigerator</u> <u>Air conditioning systems</u> <u>Heat Pump / Ammonia Heat Pump for Energy Saving in food processing industry</u>	Settori di ricerca: Collettori solari / collettori solari piani / collettori a concentrazione Sistemi di rinfrescamento solare con componenti desiccanti progettazione di edifici solari passivi macchine frigorifere / macchine frigorifere con ciclo ad aria frigoriferi termoacustici Scambi termici nei processi energetici impianto di condizionamento ad energia solare utilizzando un frigorifero ad assorbimento a bromuro di litio pompe di calore / pompa di calore ad ammoniaca per il risparmio energetico nell'industria alimentare impianto di condizionamento
Università di Pisa - Dipartimento di Ricerca Energetica "Lorenzo Poggi"	University of Pisa - Energetic Department "Lorenzo Poggi"	Via Diotisalvi, 2 (56122) PISA	PI	Italy	Telefono: +39 050 2217100 - 098 - 097 - 099 - Fax: +39 050 2217 150	http://energetica.ing.unipi.it/	Direttore: Prof. Walter Grassi tel +39 050 2217 090	The department main research areas deal with central issues of the human activity: natural resource exploitation, environmental impacts, innovative technology solutions for energy systems. It works in the sector of Heat Transfer, Thermodynamics, Machinery/Energy Systems, Plants.	Il Dipartimento di Energetica tratta problemi che sono centrali per il presente e il futuro delle attività umane: controllo dello sfruttamento delle risorse, problemi di impatto ambientale, soluzioni tecnologicamente avanzate per i sistemi energetici. Punto di forza essenziale per le nostre attività di ricerca è la concentrazione di competenze, strettamente collegate, dei settori disciplinari di Fisica tecnica, Macchine, Sistemi energetici, Impiantistica
Università di Udine - Dipartimento di Energetica e Macchine	Udine University - Energetic Department	via delle Scienze 208 - I 33100 Udine	UD	Italy	tel. 0432 55-8000/8001 fax 0432 55-8025	http://web.uniud.it/dem/	Direttore Prof. C. Nonino tel. 0432 55-8019 carlo.nonino@uniud.it	The Department works on the main scientific areas of Fluid Dynamics, Thermo Dynamics, Heat Transfer, Internal Combustion Engines, Turbomachinery and Industrial Plants. The most important applications involved are Manufacturing, Environment Engineering, Industrial Waste Handling, Energy Conversion and Energy in Buildings. The Department cooperates with Italian (UNI) and European (CEN) Standard Organizations.	Il Dipartimento svolge la propria attività scientifica nelle aree disciplinari della Fluidodinamica, delle Macchine e sistemi energetici, della Fisica tecnica, degli Impianti industriali e delle Misure meccaniche e termiche. Opera nei settori applicati della produzione industriale, della conversione dell'energia dalle fonti primarie, della valutazione dell'impatto ambientale, dello smaltimento dei rifiuti, degli scambi energetici in campo civile e industriale. Collabora con enti nazionali (UNI) ed europei (CEN) nell'attività normativa nel settore termotecnico ed energetico.
Università Politecnica delle Marche - Dipartimento di Energetica	Marche Polytechnic University - Energetic Department	Piazza Roma, 22 60121 Ancona (AN)	AN	Italy	tel +39 071 2204769	http://www.energetica.univpm.it/	Direttore Massimo Paroncini tel +39 071 2204762 m.paroncini@univpm.it	Research fields: Energetics: fuel cells, solar ponds, photovoltaic systems, Energy conversion Heat transfer Thermophysics of building Thermodynamics Mechanical Plants	Temi di ricerca: ENERGETICA: Celle a combustibile, Stagni solari, Sistemi fotovoltaici CONVERSIONE DELL'ENERGIA TRASMISSIONE DEL CALORE TERMOFISICA DELL'EDIFICIO TERMODINAMICA IMPIANTI MECCANICI
	Riga Technical University	Kalku street 1, Riga LV 1658, Latvia		Latvia	Phone: +371 7089300 Fax: +371 7089302	http://www.rtu.lv/	Ribickis Leonid leonids.ribickis@rtu.lv	Research topics: • power system reliability, • development of power engineering strategy taking into account the environmental factor	Obszary badawcze: • niezawodność systemów energetycznych, • rozwój strategii energetycznej z uwzględnieniem czynnika środowiskowego
	Latvian Academy of Science	Akademijas laukums 1, Riga, LV 1050		Latvia	Phone: +371 722 5361 Fax: +371 782 1153	http://www.lza.lv/	Prof. Silins Andrejs silins@lza.lv	The Latvian Academy of Sciences is a state scientific institution, a major scientific advisory body through its scientific committees.	Litewska Akademia Nauk jest instytucją naukową – najważniejszym organem doradczym spośród komitetów naukowych
	Institute of Physical Energetics of Latvian Academy of Science	21 Aizkraukles Street, Riga, LV 1006, LATVIA		Latvia	tel +371 7558 636 +371 7557 671	http://www.innovation.lv/fei/	Professor. Dr.habil.sc.ing. Namejs Zeltns zeltinsh@edi.lv	Its main activities cover a wide scope of energy research issues, such as the modelling and analysis of the energy-environment interactions, the energy-environmental policy studies, the pricing and tariffs in the energy sector, the energy efficiency improvement and energy conservation programmes, the problems of the use of renewable and domestic (biomass, peat) energy resources. Integration of the technologies directed towards rational use of energy to ensure sustainable development of the energy sector in Latvia and optimisation of the Latvian heat energy production and consumption systems are given special attention in the research work of the institute.	Główny obszar działań skupia się na badaniach związanych z szeroko pojętą energetyką; modelowaniu i analizie interakcji pomiędzy branżą energetyczną a środowiskiem, poprawie efektywności energetycznej i użytkowaniu OZE. Zasada zrównoważonego rozwoju wymaga optymalizacji produkcji i konsumpcji energii cieplnej, co stanowi jeden z ważniejszych nurtów badań instytutu.
	LITHUANIAN ENERGY AGENCY	Gedimino pr. 38/2, 01104 Vilnius, Lithuania,		Lithuania	tel.: +370 5 262 97 31, fax: +370 5 262 68 45,	http://www.ukmin.lt/index.php/en/energy/geral/	Marjusz Franckevičius kanc@ukmin.lt	Ministerial energy agency promotes renewable sources of energy and energy efficiency	Ministerialna agencja energii promuje OZE i efektywność energetyczną

LEI Lithuanian Energy Institute	Breslaujos Str. 3, LT-4403 Kaunas Phone number		Lithuania	+370 (37) 401801 Fax +370 (37) 351271	www.lei.lt	Rolandas Urbonas, Head of Information Department Rolanda@mail.lei.lt	Mission: To be the highest qualification expert on the issues of engineering, hydrology, metrology, nuclear safety, environment protection and economy, related to Lithuanian energy. Strategic objectives • To prepare energy sector planning conceptual and methodological basis in state policy energy sector. • To prepare first-class specialists for energy and scientific research related to it.	Misja: być ekspertem w dziedzinach energetyki, hydrologii, meteorologii, bezpieczeństwa nuklearnego, ochrony środowiska i ekonomii, związanych z energetyką na Litwie. Zadania: • tworzenie planów dla sektora energetycznego, • szkolenie specjalistów z zakresu energii i związanych z nią badań naukowych.
Kaunas Regional Energy Agency	Breslaujos 3B-202 LT-3035 Kaunas		Lithuania	Tel: +370 37 491043 Fax: +370 37 491043	http://www.krea.lt/	Kesutis BUINEVICIUS, Director kesutis.buinevicius@ktu.lt	The main objectives of the Kaunas Regional Energy Agency are: - to promote and develop rational use of energy; - to promote use of renewable energy sources; - information, public awareness, training: seminars and courses for students, communities and energy specialists; - collection and dissemination of information on foreign experience in the fields of energy efficiency and renewable energy sources. Areas of expertise: Thermal energy generation and consumption. Biomass and Bioenergy.	Do głównych obszarów działań Kaunas Regional Energy Agency należą: • promocja racjonalizacji zużycia energii, • promocja OZE, • informacja, edukacja i rozwój świadomości społecznej, • gromadzenia danych z międzynarodowych projektów badawczych. Zakres: biomasa i „zielona” energia oraz wytwarzanie i zużycie energii ciepłej.
Kaunas University of Technology, Center for Analysis and Optimization of Thermal Systems	K. Donelaičio str. 20, LT-3000 Kaunas, Lithuania		Lithuania	Tel +370-37 -323878 , +370-37-323879		Saulius Akelaitis, Ph.D. student cipai@ktu.lt	The main research fields of the center: • Power and heat generation; • Heat planning; • Energy production from renewable sources; • Energy efficiency analysis of technological processes.	Główne obszary działań: • wytwarzanie ciepła i energii, • projektowanie systemów grzewczych, • produkcja energii z OZE, • analiza procesów technologicznych pod względem efektywności energetycznej
Lithuanian District Heating Association	V. Kudirkos str. 14, LT-2009 Vilnius LITHUANIA		Lithuania	Tel. +370-5-2438920 Fax. +370-5-2107434	http://www.ldha.lt/	Ms. Ramune Kmieliauskaitė ramune@ldha.lt	LDHA is non-profit association representing the interests and the rights of Lithuania district heating companies and other organizations in the heat sector. LDHA are involved in preparation of legal acts, laws, methodologies, projects, studies related with DH sector.	LDHA jest zrzeszeniem typu non-profit reprezentującym interesy i prawa przedsiębiorstw z branży grzewczej. Jest włączona w przygotowanie ustaw, praw, projektów i studiów sektora grzewczego.
REC Country Office Lithuania	Svitrigailos st. 7/16 03110 Vilnius		Lithuania	Tel. (85) 2335 451 Fax (85) 2335 451	http://www.rec.lt/	recit@mail.lt	Mission – implementation of sustainable development principles at the national and the international levels. Activities – education and publishing, public awareness campaigns, promotion of renewable energy sources. Services – consultancy services, organization of seminars and training courses, development project proposals.	Misja: wypełnianie zasady zrównoważonego rozwoju na krajowym i międzynarodowym szczeblu. Działania: edukacja i publikacja, kampanie społeczne, promocja OZE. Usługi: konsulting, organizacja seminariów i kursów, opiniowanie projektów.
SC Energy Agency, Lithuania	Gedimino ave. 38/2 LT-2600 VILNIUS		Lithuania	tel +370 5 262 97 31 Fax: +370 5 262 68 45	http://www.ena.lt	Romualdas JARMOKAS, Director of Energy Conservation SEVASTIJANCIUKAS, Head of Energy Efficiency Centre eainfo@ukmin.lt sevastijanciukas@eec.lt	• Organization and implementation of the requirements set forth in EU directives on energy resources, improvement of energy efficiency and use of local, renewable and waste energy resources. • Accumulation and analysis of technical information on the use of local and renewable energy resources in Lithuania and abroad. Consultancy, awareness campaigns, informational material regarding energy efficiency and renewable energy sources;	• Organizacja i implementacja założeń dyrektywy UE dotyczącej zasobów energetycznych, poprawy efektywności energetycznej i używania lokalnych, odnawialnych i odpadowych źródeł energii. • Gromadzenie i analiza informacji technicznych dotyczących OZE na Litwie i poza jej granicami. Edukacja i publikacja, kampanie społeczne, promocja OZE.
The National Heat Energy Technology Platform (NHETP)	Lietuvos šilumos tiekėjų asociacija Naugarduko g. 55A LT-03204 Vilnius		Lithuania	Tel. 8-5-2356045 Faks. 8-5-2356044	http://www.lsta.lt/platf/orma/content/blogcategory/33/56/	ldha@ldha.lt	The National Heat Energy Technology Platform (NHETP) was founded after amalgamation of the business enterprises, which are attributed to the heat economy sector, of the scientific research institutions, of the representatives of financial groups, seeking for mobilizing and directing of the entities, which are attributed to the business and scientific research sector, towards execution of the activity as per the most promising directions of the national and international break-through of the heat energy economy on the grounds of the joint activity of the National technologies platform.	
UNIVERSITY OF MALTA		University of Malta Msida MSD 2080 MALTA	Malta	Tel: (+356) 21 333903 6 Fax: (+356) 21 336450	www.um.edu.mt	Prof. Robert Ghiriando e-mail: righir@eng.um.edu.mt	University of Malta and especially, the Department of Manufacturing Engineering conducts research to develop knowledge, methodologies and innovative technologies that enable industries to provide society with better quality products. This objective is achieved through increased product development competitiveness, by enhancing industrial performance measures, including cost, time, quality, reliability, flexibility, sustainability, safety and product usability Fields of research activities: engineering design, environment, heat transfer, photovoltaics, university links, etc.	

	Institute for Energy Technology - University of Malta		Triq il-Barrakki, Marsaxlokk, MXK 1531, Malta	Malta	tel: (+356)21650675/2165 2249 FAX: (+356) 21650615	http://home.um.edu.mt/ietm/ita/	ietm@um.edu.mt	Institute for Energy Technology: -Energy utilisation and conservation; -Renewable energies; -Solar thermal energy; -Photovoltaic electricity generation; -Wind monitoring and resource studies; -Analysis of weather parameters; -Thermal response of buildings.	
INSTYTUT TECHNIKI CIEPLNEJ		Politechnika Śląska, 44-101 Gliwice, ul. Konarskiego 22		Poland	tel. +48 32 237 29 53 fax +48 32 237 28 72	http://www.ity.polsl.pl/newitc/index.php	Prof. Ryszard Bialecki bialecki@ity.polsl.pl	SUT is deeply involved in applied and theoretical research. The University enjoys multilateral co-operation with the industry and other research institutions. SUT faculty members used to participate in Fifth Framework projects and other European grants (COST, COPERNICUS etc). There are currently six centres of excellence running at SUT. The University has signed two twinning agreements concerning exchange of PhD students with the USA universities	Instytut Techniki Ciepłej zatrudnia doświadczoną kadrę, dysponuje specjalistycznym sprzętem pomiarowym oraz zaawansowanymi narzędziami obliczeniowymi, co pozwala na wszechstronną analizę bardzo szerokiego spektrum zagadnień technicznych. W szczególności Instytut Techniki Ciepłej proponuje współpracę w zakresie: • Doskonalenia gospodarki cieplnej • Analizy systemowej instalacji energetycznych • Technicznej i ekonomicznej optymalizacji energetyki rozproszonej • Wykorzystania odnawialnych źródeł energii • Optymalizacji urządzeń i procesów energetycznych • Modelowania systemów energetycznych
NAPE Narodowa Agencja Poszanowania Energii S.A		ul. Filtrowa 1, 00-611 Warszawa		Poland	tel: (0-22) 825-52-85, (0-22) 825-19-77, (0-22) 825-03-97 fax (0-22) 825-86-70	http://www.nape.pl/	nape@nape.pl	The range of NAPE activities covered all problems arising from production, transmission and utilisation of energy, particularly with a special emphasis on the renewable fuels implementation and promotion. NAPE's offer of services is dedicated to resolution of energy supply problems as well as to modernisation of existing systems on both supply and demand sides. NAPE serves cities, gminas (Polish local communities), companies, enterprises and budgetary units. High experience staff and collaborating with us institution and organisation, experience in many domestic and international project realisation guarantee high level of services providing by NAPE.	W sferze zainteresowania NAPE S.A. są wszystkie problemy związane z produkcją, zaopatrzeniem w energię, jak również wynikające z eksploatacji istniejących systemów energetycznych, ze szczególnym uwzględnieniem problematyki paliw odnawialnych. Oferta nasza skierowana jest do miast i gmin, firm i przedsiębiorstw, spółdzielni i jednostek budżetowych. Wysoki poziom merytoryczny pracowników NAPE S.A. jak i współpracujących z nami instytucji, doświadczenie w realizacji projektów krajowych i międzynarodowych są gwarancją wysokiego standardu usług świadczonych przez Agencję.
KAPE Krajowa Agencja Poszanowania Energii		00-560 Warszawa, ul. Mokotowska 35		Poland	tel. (22) 626-09-10; fax (22) 626-09-11	http://www.kape.gov.pl/	kape@kape.gov.pl	KAPE's activities are development and realisation of various projects, consultancy, training and expertise in the following areas: • Sustainable development in buildings: o Thermomodernisation of buildings and heating stations; o District heating systems; o energy monitoring and management systems in buildings; • Sustainable energy policy; o sustainable energy policy instruments o renewable energy resources; o dispersed combined electricity and heat generation; o energy saving transport; • Environmental protection issues connected with energy processes: o impact of energy processes on the environment; o implementation of Kyoto Protocol mechanisms; o best energy-saving technologies. • Municipal policy in the area of sustainable development and energy planning • Promotion campaigns aimed at better social understanding of sustainable energy policy • Financing small energy investments in the field of energy conservation and renewable energy sources.	szkoleniową w następujących obszarach: • zrównoważone budownictwo, w tym: o termomodernizacja budynków i węzłów cieplnych, o systemy ciepłownicze, o systemy monitorowania i zarządzania energią w budynkach, o zrównoważona polityka energetyczna, w tym: o instrumenty zrównoważonej polityki energetycznej, o odnawialne źródła energii, o wytwarzanie energii elektrycznej i ciepła w układach rozproszonych głównie w skójarzeniu, o energooszczędny transport, • zagadnienia ochrony środowiska naturalnego związane z procesami energetycznymi, w tym: o wpływ procesów energetycznych na środowisko, o wdrażanie mechanizmów wynikających z Protokołu z Kioto, o najlepsze technologie energooszczędne, • polityka samorządowa w zakresie zrównoważonego rozwoju i planowania energetycznego, • kampanie promocyjne mające na celu wzrost świadomości społecznej na temat zrównoważonej polityki energetycznej, • mechanizmy finansowania małych inwestycji energetycznych z zakresu energooszczędności i odnawialnych źródeł energii.
BAPE Bałtycka Agencja Poszanowania Energii S.A		ul. Budowlanych 31 80-298 Gdańsk		Poland	tel: +48 58/ 347 55 35 fax: +48 58/ 347 55 37	http://www.bape.com.pl/	bape@bape.com.pl	Promotion of renewable energy sources is one of BAPE's statutory goals. The most important actions taken in this field are: • Design of straw and wood fired heating stations/installations, • Implementing new fuels to the Polish market (wood chips, wood pellets), • Wind power parks design, • Solar thermal energy design, • Design of landfill gas extraction and utilization, • Education and consulting	Najważniejsze działania BAPE S.A. w tym zakresie OZE: • Projektowanie kotłowni opalanych słomą i drewnem, • Wdrażanie nowych paliw na polski rynek (granulat, zrębki), • Projektowanie farm wiatrowych, • Projektowanie instalacji cieplnej energii słonecznej, • Projektowanie instalacji ekstrakcji i wykorzystania gazu wysypiskowego, • Działalność edukacyjna i konsultacyjna.
Katedra techniki ciepłej i ochrony środowiska AGH		Akademia Górniczo-Hutnicza, Wydział Inżynierii Metalii i Informatyki Przemysłowej al. Mickiewicza 30, 30-059 Kraków		Poland	tel./fax 012-617-26-12	http://www.ztcios.agh.edu.pl/publik.html	ztcios@agh.edu.pl	KTCIOS AGH activities are development and realisation of various projects, education, training and expertise in the following areas: • heat flow problems, • modern central heating, • heating process, • heat pump etc.	• Analiza złożonych zagadnień przepływu ciepła • Analiza pracy ciepłej nowoczesnych systemów ogrzewczych • Zagadnienia kontroli i sterowania procesami cieplnymi • Badania i analiza termodynamiczna pomp ciepła • Zagadnienia termoeconomicznej ochrony środowiska

Katedra Ciepłownictwa Politechniki Białostockiej		Instytut Inżynierii i Ochrony Środowiska Politechniki Białostockiej 15-351 Wiejska 45E,		Poland	tel. +48857469633, fax (085) 7428404	http://iis.pb.bialystok.pl/modules.php?name=Content&pa=showpage&pid=4	szymolko@pb.bialystok.pl	Oferta naukowo-badawcza: 1. Projektowanie i modernizacja instalacji i systemów: o centralnego ogrzewania o wentylacyjnych i klimatyzacyjnych 2. Badania naukowe w zakresie skuteczności wentylacji, oceny parametrów powietrza nawiewanego 3. Analizy techniczno-ekonomiczne: o systemów grzewczo-wentylacyjnych o węzłów i sieci ciepłowniczych
Instytut Konstrukcji Budowlanych Politechniki Poznańskiej		61-138 Poznań, ul. Piotrowo 5		Poland	tel.: (0-61) 665-2454, 665-2457 fax: (0-61) 876-6116, 665-2059	http://www.ikb.poznan.pl/	office_se@put.poznan.pl	IKB PP is deeply involved in applied and theoretical research as well as education in the following areas: • energy efficiency, • passive and energy-saving building, • heating and ventilation installations.
PPTB		Polska Platforma Technologiczna Budownictwa ul. Grunwaldzka 5 99-301 Kutno		Poland	tel. 024 355 77 24, 024 355 77 47 fax 024 355 77 01	http://www.pptb.pl	d.paprocka@asm-poland.com.pl office@pptb.pl	Technologie Platformy są inicjatywą zdefiniowaną przez Radę Europejską w 2003 roku jako najważniejszą publicznych i prywatnych organizacji odpowiedzialnych za rozwój technologiczny, wspieranie działań powiązanych z Europejską Platformą Technologiczną Budownictwa (European Construction Technology Platform).
Instytut Techniki Ciepłej im. Bohdana Stefanowskiego		00-665 WARSZAWA, ul. Nowowiejska 21/25		Poland	telefon: +(48-22) 825-69-65, 234-52-36 fax: +(48-22) 825-05-65	http://www.itc.pw.edu.pl/	dvr@itc.pw.edu.pl	The research activities of the Institute of Heat Engineering are pursued in the following main areas: • cooling and air conditioning; • communal and industrial power economy; • reliability problems in power engineering systems and energy supply; • power plants; • power management (environmental protection, central heating); • heat storage; • thermo-lectric energy conversion, cooling, electric current generation; • heat exchange in complex media (porous media, insulations, composites); • photo-thermal solar energy conversion; • sources and energy conversion;
Instytut Podstawowych Problemów Techniki PAN		ul. Świętokrzyska 21; 00-049 Warszawa, Polska		Poland	telefon: (48-22) 826 12 81 (operator) fax: (48-22) 826 98 15/ 826 73 80	http://www.ippt.gov.pl/index_p.html	director@ippt.gov.pl	Theoretical and experimental work carried out at the Institute covers several fields which contribute to basic engineering science and to modern technology, for example: • eco-building engineering, • energy management in buildings
Polskie Towarzystwo Biomasy		02-532 Warszawa, ul. Rakowiecka 32, p. 136		Poland	tel: 0-22 498 07 74 , fax: 0-22 849 17 37	http://www.polbiom.pl	biuro@polbiom.pl	Zgodnie ze statutem (§ 7) celem Towarzystwa jest: • inspirowanie i popieranie myśli technicznej przyczyniającej się do rozwoju wykorzystania biomasy na cele przemysłowe, w szczególności energetyczne; • inicjowanie i popieranie prac naukowo-badawczych, doświadczalnych i wdrożeniowych oraz innych działań w dziedzinie wykorzystania biomasy na cele przemysłowe; • wdrażanie i upowszechnianie światowych osiągnięć w dziedzinie wykorzystania biomasy na cele przemysłowe. Towarzystwo realizuje swoje cele (§8) poprzez: • organizowanie spotkań, konferencji oraz zjazdów; • inicjowanie i pomoc w nawiązaniu kontaktów pomiędzy osobami zainteresowanymi obszarem działania Towarzystwa; • działalność szkoleniową i popularyzatorską; • prowadzenie działalności gospodarczej tj. wykonywanie prac naukowych, analiz, ekspertyz oraz przygotowywanie i prowadzenie produkcji prototypowej • nawiązywanie kontaktów pomiędzy przedstawicielami nauki i praktyki, • nawiązywanie i utrzymywanie kontaktów zagranicznych

Izba Gospodarcza „CIEPŁOWNICTWO POLSKIE”		ul. Elegijna 59 02-787 Warszawa		Poland	tel. 0-22 644 70 19 ; 644 02 50 fax. 0-22 644 70 99	http://www.igcp.org.pl/index.php	igcpwaw@pro.onet.pl bi.warszawa@igcp.org.pl		Podstawowy cel działania Izby to inicjowanie i współuczestniczenie w procesach unowocześnień i kompleksowego rozwoju ciepłownictwa odpowiednio do zmieniających się potrzeb, a w szczególności: - integrowanie środowiska osób fizycznych i prawnych związanych z ciepłownictwem; - reprezentowanie interesów gospodarczych zrzeszonych w Izbie podmiotów wobec organów państwowych, samorządowych, społecznych, instytucji naukowych i gospodarczych; - propagowanie nowoczesnej wiedzy techniczno-ekonomicznej; - współdziałanie w ustalaniu programów rozwoju ciepłownictwa i jego modernizacji i rekonstrukcji; - kształtowanie warunków sprzyjających rozwojowi ciepłownictwa, inspirowanie, opracowywanie oraz dokonywanie ocen merytorycznych projektów oraz nowelizacji obowiązujących przepisów prawnych.
Serbian Energy Efficiency Agency		Omladinskih brigada No. 1, SIV III Building 11070 Novi Beograd		Serbia & Montenegro	Tel: +381-11-313-1957 Fax: +381-11-311-1649	www.seea.sr.gov.yu			
Regional Energy Efficiency Centre Novi Sad		Trg Dositeja Obradovića 6 21000 Novi Sad		Serbia & Montenegro	Tel: +381-21-459-981 Fax: +381-21-635-0775		gvozden@uns.ns.ac.yu		
Regional Energy Efficiency Centre Belgrade		Kraljice Marije street 16 11000 Belgrade		Serbia & Montenegro	Tel: +381-11-337-0353 Fax: +381-11-337-0364		mpetrovic@mas.bg.ac.yu		
Regional Energy Efficiency Centre Kragujevac		Sestre Janjić 6 34000 Kragujevac		Serbia & Montenegro	Tel: +381-34-336-004 Fax: +381-34-336-004		nastasija@ptt.yu		
Regional Energy Efficiency Centre Nis		Aleksandra Medvedeva 14 18000 Niš		Serbia & Montenegro	Tel: +381-18-588-199 Fax: +381-18-588-199		mladens@masfak.ni.ac.yu		
SERBIO - Serbian Biomass Renewable Energy Association		Zeleni venac 6 11 000 Belgrade		Serbia & Montenegro	Tel: +381-11-322-4158 Fax: +381-11-334-1018		ideje@yahoo.com		
Centre for Rural Development		Trg Mose Pijade 11 CS-23330 Novi Knezevac		Serbia & Montenegro	Tel: +381-23-082-715 Fax: +381-23-082-715	www.ruralcentar.org.yu	office@ruralcentar.org.yu crd@knezevac.net		
Yugoslav Institute for Town Planning and Housing		Andricev venac 2 YU-11000 Belgrade		Serbia & Montenegro	Tel: +381 11 3231 353 Fax: +381 11 3231 192	www.yuginus.com			
BIC Bratislava, spol. s r.o.	BIC Bratislava, spol. S r.o.	Zochova 5 SK-81103 Bratislava	Zochova 5 SK-81103 Bratislava	Slovak Republik	Ph.: +421 25441 75 15 Fax: +421 25441 75 22	http://www.bic.sk	E-Mail: bic@bic.sk	Type of Organisation: Business and Innovation Center - Service: Business Consultancy, Financing, Technology transfer, Regional Development, Grants and Funds, Investment Consulting, EU Programmes, Networking - Technology Sectors Automotive Industry, ICT, Energy/Environment, Wood Industry, Plastic Industry, Agrofood, Biotechnology, Nanotechnology	
Energetické centrum Bratislava	Energy Centre Bratislava	Ambrova 35 SK-83101 Bratislava 37	Ambrova 35 SK-83101 Bratislava 37	Slovak Republik	Ph.: +421 2593000 91 Fax: +421 2593000 97	http://www.ecb.sk	E-Mail: office@ecb.sk	Type of Organisation: Information and consulting organisation - Promotes the rational use of energy - Utilisation of renewable sources of energy	

Slovenská Inováčná a Energetická Agentúra	Slovak Innovation and Energy Agency	Bajkalská 27 SK-82799 Bratislava 27	Bajkalska 27 SK-82799 Bratislava 27	Slovak Republic	Ph.: +421 25 8248 111 Fax: +421 25 3421 019	http://www.sea.gov.sk	E-Mail: office@siea.gov.sk	Type of Organisation: Energy Agency - Fulfilling the tasks of the Slovak Ministry of Economy within the framework of its authority in decision-making - Identifies and reviews restrictions of the development of an enhanced rational use of energy, exploitation of renewable energy sources and a combined electricity and heat production and proposes solution on how to overcome them - Act as secretariat of National Environmental panel in the Slovak Republic - Cooperates with the ministry and other central state authorities in the development of plans and materials used for the amendment of legal and economical instruments in order to influence effective and environmental friendly use of energy - Cooperates in certification and assessment of energy intensity of energy-consuming appliances and devices - Develops expert opinions on the level of energy usage, efficiency of investments in energy sector - Processes materials for issuing grants resolving problems in energy sector - Methodologically coordinates energy counseling centers and energy auditors - Provides consultations and counseling for licensees - Cooperates with local government bodies and with other NGOs in promoting ene	
Slovenská Technická Univerzita V Bratislave	Slovak University of Technology in Bratislava	Vazovova 5 SK-81243 Bratislava 1	Vazovova 5 SK-81243 Bratislava 1	Slovak Republic	Ph.: +421 257294 111 Fax: +421 257294 537	http://www.stuba.sk	E-Mail: technik@stuba.sk	Type of Organisation: University - Faculty of Civil Engineering - Faculty of Mechanical Engineering - Faculty of Electrical Engineering and InformationTechnology - Faculty of architecture - Faculty of Material Sciences and Technology in Trnava - Faculty of Informatics and Information Technologies	
Slovenské centrum poľnohospodárskeho výskumu	Slovak agricultural research centre	Bratislavská cesta 122 SK-92168 Piešťany	Bratislavaska cesta 48 SK-92168 Piešťany	Slovak Republic	Ph.: +421 33 772 2330 Fax: +421 33 772 6306	http://www.vurv.sk	E-Mail: vurv@vurv.sk	Type of Organisation: Research Center Main activities: - Research - Co-ordinating the National Programme on Conservation of Plant Genetic Resources - Providing new breeding and maintenance breeding of new varieties of cereals, forage, crops and poppy - Making outlooks, prognoses, expertise and sytheses on the subject of plant production - Providing agricultural extension and advisory service - Control activities performed as accredited by the founder within its scope of specialisation - It draft norms and their alterations and other legislative amendments - Providing technical information for the needs of research - Publishing scientific and professional literature - Providing scientific and professional education - Other activities and tasks as specified and demanded by Ministry of Agriculture	
Sektor za aktivnosti učinkovite rabe in obnovljivih virov energije	Agency for Efficient use and Renewable Energy	Dunajska cesta 48 SLO-1000 Ljubljana	Dunajska cesta 48 SLO-1000 Ljubljana	Slovenia	Ph.: +386 4787 200 Fax: +386 4787 249	http://www.aure.si	E-Mail: info.aure@gov.si		
ZRMK Holding d.d.		Dimičeva ulica 12 SLO-1000 Ljubljana	Dimičeva ulica 12 SLO-1000 Ljubljana	Slovenia	Ph.: +386 28081 81 Fax: +386 28081 91	http://www.gi-zrmk.si	E-Mail: info@gi-zrmk.si		
IKERLAN S.Coop.	IKERLAN S.Coop.	Pº J.M. Arizmendiarieta 2, 20500 Arrasate-Mondragor Gipuzkoa		Spain	tel +34 945 70 32	www.ikerlan.es	Ander Laregoiti -Head of Energy Unit- e-mail: alaregoiti@ikerlan.es	(Mondragon Cooperative Corporation) and from 2005 belongs to IK4 Research Alliance, a Basque Technological Centre union. -Research fields: IKERLAN is a leading mechatronic product developer and has a very close collaboration with industry to improve competitiveness through application of technical expertise in innovative products and new tools and methods for use in design and manufacturing processes. Ikerlan is divided in three Units: Product Development Unit, Production and Process Design Unit and Energy Unit -The specific research areas of Energy Unit are: Thermal systems Design and analysis of thermal systems: ovens, dishwashers, fridges, refrigeration systems for industrial molds... Computer Fluid Dynamics (CFD) and particle image velocimetry (PIV) simulation and tool for flow and heat transfer analysis. Building thermal performance analysis by simulation tools Solar-air conditioning, cooling technologies using a thermal source (such as absorption cooling systems). Design, implementation and monitorization of domestic Methods-equipment for energy performance evaluation of different appliances (V	pertenece al grupo MCC (Mondragon Cooperative Corporation). Desde su fundación en el año 2005, pertenece a IK4 Research Alliance (www.ik4.es), unión estratégica formada en la actualidad por centros tecnológicos vascos. -Campos de Investigación: IKERLAN experto en el desarrollo integral de productos mecatrónicos, es un Centro de Investigaciones Tecnológicas que colabora con la industria en la mejora de su competitividad mediante la aplicación de conocimientos tecnológicos en el desarrollo de productos innovadores, y mediante nuevas metodologías y herramientas para la mejora de los procesos de innovación, diseño y producción. Ikerlan está estructurada en tres unidades operativas: Unidad de Desarrollo de Producto, Unidad de Procesos de Diseño y Producción y Unidad de Energía -Áreas específicas de la Unidad de Energía: *Sistemas Térmicos Diseño y análisis de sistemas térmicos: hornos, lavavajillas, frigoríficos, sistemas de refrigeración para moldes industriales ... Simulación mediante Computer Fluid Dynamics (CFD) and particle image velocimetry Análisis energético de edificios mediante simulación Refrigeración solar y tecnologías de refrigeración mediante activación térmica (sistemas de absorción). Diseño, implementación y monitorización de electrodomésticos Métodos y equipamiento para la evaluación energética de distintos electrodomésticos (V

Centro Tecnológico CARTIF	CARTIF Technologic Centre	Parque Tecnológico de Boecillo. Parcela 205. 47151 Boecillo. Valladolid	Spain		www.cartif.es		Cartif horizontal organization structure allows the Center to address companies diverse needs and to offer specific solutions for different industry sectors. Cartif divisions provide state of the art technology beyond demand and can be listed as follows: Automation and Processes Control Division, Mechanical Engineering Division, Food and Chemicals Division, Environmental Division, Energy Division, Biomedical Engineering Division, Robotics, Machine Vision and Real Time, Systems Division, Software and Communication, Innovation -The specific research areas in renewable energy are: Areas: Wind Power, Fuel and Hydrogen Cell, Energy Management in buildings, System Integration and net control. Solar, Photovoltaic and Thermal facilities are available. Through two solar collectors fields: 40m2 of evacuated tubes and 37,5m2 of flat plate collectors captures produced hot water for heating through heat pumps and underfloor heating, ACS. During the summer, solar refrigeration is obtained using a 35kW absorption machine. A control system has been developed that maximizes the performance of the solar installations: variable flow for the solar part, use of the ener	La organización horizontal de Cartif permite al Centro dirigirse a las necesidades concretas de las empresas y ofrecerles soluciones específicas para cada sector industrial. Las Divisiones de Cartif proporcionan el estado del arte de un tema bajo demanda. Estas son sus divisiones: Automatización y Control de Procesos, Ingeniería Mecánica, Químico-Alimentaria, Medio Ambiente Energía, Ingeniería Biomédica, Robótica, Visión Artificial y Tiempo Real, Ingeniería de Software y Comunicaciones. Innovación Empresarial Las áreas específicas de trabajo dentro del área de energías renovables: Áreas: energía eólica, pilas de combustible e hidrógeno, gestión energética de edificios, integración de sistemas y redes de control. Se dispone de instalaciones solares, fotovoltaicas y térmicas. Mediante dos campos de captadores: de 40 m2 de tubos de vacío y 37,5 m2 de captadores planos se produce agua caliente para la calefacción a través de bombas de calor y suelo radiante, ACS. Durante el verano se obtiene refrigeración solar en verano emplean una máquina de absorción de 35 kW. Se ha desarrollado un sistema de control que maximiza el rendimiento de las instala Se tiene experiencia en modelado mediante TRNSYS (R). Se dispone de un mode Otra línea de investigación es la domotica, aplicada al control de instalaciones y ar
TEKNIKER-IK4	TEKNIKER-IK4	c/ Otaola 20 • P.K. 44 20600 EIBAR • Gipuzkoa •	Spain	Tel: +34 943 20 67 44 Fax: +34 943 20 27 57	www.tekniker.es	Susana López -Renewable Energy Unit- slopez@tekniker.es	to help companies become more competitive through technological research, development and innovation. -Research fields: TEKNIKER specialises in design and manufacturing technologies, i.e. all areas concerned with products, processes, production, machinery, handling (capital goods) and all-round management of product life cycles. A recent strategic decision has led TEKNIKER to move also towards being a centre for micro-manufacturing and precision engineering. -The specific research areas in renewable energy are: *Solar energy: Mainly low to high temperature thermal applications: It could include design and optimization of the whole heating system. That is systems optimization for maximum efficiency (i.e. improving coatings to maximize energy absorption, treating the glass for maximum transparency, treating reflective surfaces and/or producing self-cleaning glasses, developing novel control, tracking devices, etc.) and minimum environmental impact (i.e. developing new bio-oils useful as thermal fluids for solar thermal applications). We are also interested in solar cooling and Stirling motors. We □ Develop, tuning and optimising mechatronic devices like precision solar tracker □ Measuring and verification systems for 3D geometric validation by mean of phot	TEKNIKER es un centro tecnológico, constituido jurídicamente como Fundación privada sin ánimo de lucro, cuya misión es la de contribuir a incrementar la capacidad de innovación del tejido industrial, para mejorar su competitividad a través de la generación y aplicación de la tecnología y el conocimiento. -Campos de investigación: TEKNIKER gusta de definirse a sí mismo como el centro de la Mecatrónica, las Tecnologías de Fabricación y las Microtecnologías. En la terminología comúnmente adoptada, TEKNIKER es el centro del "Manufacturing" o del "Diseño y Producción Industrial". Ocupándose fundamentalmente de: • El diseño de productos industriales y de consumo. • La resolución de los problemas relativos a la fricción, el desgaste y la lubricación. • La incorporación de las tecnologías de la información y las comunicaciones a la fábrica. • La alta precisión, la miniaturización y las micro/nanotecnologías. -Las áreas específicas de trabajo dentro del área de energías renovables: *Energía solar: Diseño y optimización de sistemas de captación y reducción de su impacto ambiental - Desarrollo de recubrimientos selectivos que mejoren la absorción de energía (má - Mejora de las propiedades antireflexivas de los vidrios - Desarrollo de superficies reflectantes y/o superficies especulares autolimpiables
Fundación CIDAUT		Parque Tecnológico de Boecillo, parcela 209. 47151 Boecillo-Valladolid.	Spain		www.cidaut.es	Gonzalo Garcia (gongar@cidaut.es)	-Research fields: The principal objective of the Foundation is to nurture the competitiveness and the industrial development of the companies in the transport and energy sector, thus enabling them to develop new products and processes. In order to realize this objective, the Foundation promotes scientific investigation, technological development and innovation applicable to industry in general and to the transport and energy sectors in particular. The working plan revolves around three fundamental activities: Investigation and Technological Development, Technological Services and Specialized Training. The R+D+i section is divided into the areas of Transport Safety, Product-Process-Materials and Energy and Environment. -In the Area of energy and environment of the foundation CIDAUT, the main work lines are: *Energetic applications of agro-forest biomass based on gasification technologies: Respect to biomass, CIDAUT works in the development of technology for the use of lignocellulosic biomass from agricultural and forest activities. CIDAUT designs small in this workline, CIDAUT has developed downdraft gasification technology for its ap Respect to thermal applications, CIDAUT has developed updraft gasification techn *Development of new liquid biofuels: CIDAUT works in the development of efficient processes for the production of rene In this workline, CIDAUT carried out a project in order to build an industrial plant to	y energía -Campos de investigación: El objetivo principal de la Fundación es el de potenciar la competitividad y el desarrollo industrial en las empresas del sector de transporte y energía, de modo que sean capaces de desarrollar nuevos productos y procesos. Para conseguir este objetivo la Fundación promueve aquellas actividades de investigación científica, desarrollo tecnológico e innovación de interés para la industria en general, y especialmente, para los sectores del Transporte y la Energía La estrategia de actuación de CIDAUT gira en torno a tres actividades fundamentales: la Investigación y Desarrollo Tecnológico, la Difusión y Servicios Tecnológicos y la Formación Específica. A su vez, de la línea de I+D+i se derivan el área de Seguridad en Transporte, Producto-Proceso-Materiales y Energía y Medio Ambiente. -En el Área de Energía y Medioambiente de la Fundación CIDAUT, las principales líneas de actividad son: *Aplicaciones energéticas de la biomasa agroforestal basadas en tecnologías de gasificación. En el campo de la biomasa, CIDAUT trabaja en el desarrollo de tecnología para el En aplicaciones puramente térmicas, CIDAUT ha desarrollado tecnología de gasifi
FUNDACIÓN INASMET-TECNALIA	INASMET-TECNALIA Foundation	Mikeletegi 2, Parque Tecnológico 20009 Donostia-San Sebastián Gipuzkoa	Spain	tel +34 943 00 37 05	www.inasmet.es	Francisco Cano paco.cano@inasmet.es	INASMET-Tecnalia focuses its activity on the frame of Materials Technology, their Processes and Environment, holding two plants (in San Sebastián and in Irún) as well as with an office in Cádiz, that house the laboratories and various pilot plants prototype manufacturing. This domain is approached from the triple and simultaneous perspective of the material obtaining (design and manufacturing process), its integral characterization (properties and in-service behaviour) and its environmental impact, by promoting the use of non-polluting technologies, at the same time as proposing industrial solutions to the present production of ecologically undesirable residues. -Research Areas of Energy Unit: The Energy Unit, with about 40 people, focuses its activity in 4 main areas: Bioenergy, Hydrogen and Fuel Cells, Renewable Energies and Energy in Buildings In these fields, projects are running concerning the development of materials and components for solar collectors with use in buildings, industrial processes and thermo electrical power plants. In addition Inasmet is collaborating with industrial p	INASMET-Tecnalia centra su actividad en el marco de las Tecnologías de IC Materiales, sus Procesos y el Medio Ambiente, disponiendo de dos plantas (San Sebastián e Irún) y de una oficina en Cádiz, que albergan tanto los laboratorios como las diversas plantas piloto de fabricación de prototipos. El citado marco se aborda desde el triple y simultáneo punto de vista de la obtención del material (diseño y proceso de fabricación), su caracterización integral (propiedades y comportamiento en servicio) y su impacto medioambiental, promoviendo el uso de las tecnologías de contaminantes, al tiempo de proponer soluciones industriales a la producción actual de residuos ecológicamente indeseados. -Áreas de Investigación de la Unidad de Energía: La Unidad de Energía contempla 4 grandes áreas en las que trabajan del orden de 40 investigadores: Bioenergía, Hidrógeno y Pilas de Combustible, EERR y Energía en Construcción. En estos ámbitos se abordan proyectos relacionados con el desarrollo de materiales y componentes para sistemas de captación solar con aplicaciones en edificación, procesos industriales y centrales termoeléctricas. Además se colabora con empres

Centro Internacional de Métodos Numéricos en Ingeniería (CIMNE) –	Building Energy and Environment Group (BEE-Group)			Spain	tel: +34 937 89 91 69 fax: +34 937 88 31 10	www.cimne.com/beegroup	Xavier Cipriano Linder xciprian@cimne.upc.edu	created in March 1987 as a consortium between the Generalitat de Catalunya and the Universitat Politècnica de Catalunya (UPC), with the collaboration of the UNESCO. -Projects: CIMNE takes an active part in R&D and innovation projects in different fields of engineering, in cooperation with universities, research organisations and companies worldwide. In the last fifteen-year period, CIMNE has taken part in more than 470 R+D projects with the financial support of the European Community, the Spanish Ministry of Industry, CIDEM, CIRIT and CICYT, among other organisations as well as some 200 Spanish and international enterprises. The outcome of the research is recorded in books, monographs, research reports and software published by CIMNE (over 700 scientific publications, technical reports and educational software codes have already been published by CIMNE). CIMNE has also successfully organised some 270 courses and seminars and 43 international conferences, in the field of numerical methods and their applications in engineering. CIMNE is the Secretariat of SEMNI (Sociedad Española de Métodos Numéricos en	transferencia de tecnología en el desarrollo de métodos numéricos para simulación por ordenador de problemas de ingeniería. CIMNE emplea actualmente 160 científicos e ingenieros, especialistas de distintos campos y provenientes de países diferentes (en CIMNE trabajan profesionales de países distintos). El grueso del personal de CIMNE trabaja en el desarrollo y aplicación de métodos numéricos a una amplia gama de problemas de ingeniería. Las actividades de investigación de CIMNE cubren el análisis no lineal y estudios de seguridad en estructuras, optimización de la forma en problemas estructurales y problemas fluidodinámicos, estudios computacionales de fluido-dinámica para problemas de flujos externos e internos, análisis de problemas de interacción fluidoestructura, simulación numérica de la deformación de materiales y procesos conformado para la industria manufacturera, entre otros. CIMNE ha desarrollado un Centro Virtual de Estudios destinado a la difusión de enseñanza de los métodos numéricos a través de Internet. CIMNE participa activamente en el desarrollo de cursos y seminarios y 55 confer CIMNE es el Secretariado permanente de las siguientes organizaciones: SEMNI (S Methods in Applied Sciences, www.cimne.upc.es/ecommas/).
Centro Nacional de Energías Renovables-CENER	National Renewable Energy Centre of Spain-CENER	Ciudad de la Innovación, 7 31624 Sarriguren (Navarra)		Spain		www.cener.com	Javier Sanz Director de I+D+i R+D+i Manager jsanz@cener.com	financed by the Regional Government of Navarre, the Ministry of Education and Science (MEC) and by the Centre for Energy, Environmental, and Technological Research (CIEMAT). -Research fields: CENER is specialized in applied research, development and promotion of renewable energies. Over the years CENER has achieved high qualification and international prestige for the work done. At these days the energy unit has six work and research areas: wind energy, solar thermal and photovoltaic, biomass, bioclimatic construction, power electronics and energy accumulation. -Activity areas carrying out cold/heat R+D+i projects from renewable energies are: *Solar Thermal Energy: This Department develops heat/cold R+D+i projects in the following fields: -Simulation and Design of Solar Thermal Systems: Simulation and design of mid-temperature solar thermal collectors for heat process applications. Simulation and design of Concentrating Solar Power plants for electricity generation and its solar-related components. Development of software to -Characterization of Solar Thermal Collectors: Certified testing of solar thermal collectors under the European norms, in a State-of -Solar Resource Assessment and Site Monitoring:	financiado por el Gobierno de Navarra, el Ministerio de Educación y Ciencia (MEC) y del Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas (CIEMAT). -Campos de investigación: CENER está especializado en la investigación aplicada y el desarrollo y fomento de las energías renovables. Con los años se ha convertido en un centro de alta cualificación y prestigio internacional. Actualmente cuenta con seis áreas de trabajo e investigación en el campo de las energías: eólica, solar térmica y fotovoltaica, biomasa, arquitectura bioclimática, electrónica de potencia y acumulación de energía. -Las áreas específicas de trabajo en el campo de energías renovables son: *Energía Solar Térmica: -Simulación y diseño de Sistemas Solares Térmicos: Simuladores solares de captadores solares de media temperatura para aplicaciones de calor de proceso. Simulación y diseño de centrales eléctricas termosolares y los componentes del subsistema solar. Desarrollo de herramientas de software de aplicación para el diseño y simulación de actividades anteriormente mencionadas. -Caracterización de captadores solares térmicos: Ensayo homologado de captadores solares térmicos bajo normativa europea en un (UPV).
Instituto de Ingeniería Energética –IIE	IIE- Institute for Energy Engineering	Universidad Politécnica de Valencia Edificio 8E. CPI Cubo F 5ª Planta Camino de Vera s/n 46022 VALENCIA		Spain	Tfno. + (34) 963 87 72 70 Fax + (34) 963 87 72 72	www.iie.upv.es	Angel Pérez-Navarro Gómez Instituto de Ingeniería Energética -Director e-mail: anpego1@die.upv.es	-Research fields: IIE was created in the year 2001 with a two-fold objective: -To approach in a multidisciplinary way the different areas of R&D in the field of Energy. -To carry out evaluation and foresight studies in this field. Six main areas provide the framework for our research: Thermal, Electrical, Renewable, Nuclear, Planning and Prospectives, and Non-Energetic Applications. All UPV research groups dealing with energy matters that joined the IIE were assigned to one of the above-mentioned areas, in accordance with their specialization, but in some cases they take part, in a collaborative effort, in multidisciplinary projects that, under other circumstances, would be beyond their capabilities. Lines of Research at the IIE are defined in four main areas: Thermal, Electrical (New Power Applications and Electrical Engineering Design), Nuclear, and Renewable and Advanced Systems -Specific areas are: *Activities in the area RENEWABLE ENERGIES AND ADVANCED SYSTEMS aim to conduct studies in renewable energy systems and in energy efficiency, as well as: <input type="checkbox"/> BIOMASS <input type="checkbox"/> WIND ENERGY <input type="checkbox"/> SOLAR ENERGY (PHOTOVOLTAIC AND THERMAL) <input type="checkbox"/> UNDERGROUND EXCHANGERS	-Campos de investigación: EL IIE fue creado en 2001 con un doble objetivo: -abordar de forma multidisciplinar las distintas áreas de I+D+i en el campo de la Energía. -realizar estudios de evaluación y prospectiva en dicho campo. Está estructurado en seis áreas de actividad: Térmica; Eléctrica; Renovables; Nuclear; Planificación y Prospectiva, y Aplicaciones No Energéticas. En cada una de estas áreas, de acuerdo con su especialización, se encuadran los distintos grupos de investigación de UPV adscritos al Instituto, pero abordando, en muchos casos, de forma conjunta temas multidisciplinarios que, de otra forma, escaparían a sus posibilidades. Las líneas de investigación del IIE se dividen principalmente en cuatro áreas: Térmica, Eléctrica, Nuclear, y Renovable y Sistemas Avanzados. -Áreas específicas de trabajo son: *Área de renovables: Las actividades en el ÁREA DE RENOVABLES Y SISTEMAS AVANZADOS se orientan a la realización de estudios de sistemas de energías renovables y de eficiencia energética, así como su integración en una actividad multidisciplinar que incluye: <input type="checkbox"/> BIOMASA <input type="checkbox"/> ENERGÍA EÓLICA
Instituto Tecnológico de Canarias	Canary Islands Institute of Technology	Playa de Pozo Izquierdo s/n 35119- Santa Lucía Las Palmas.		Spain		www.itccanarias.org	Gonzalo Piernaveja Izquierdo	The Canary Islands Institute of Technology (Instituto Tecnológico de Canarias - ITC) is a state company that belongs to the Industry Council of the Canary Island Local Government. ITC plays an important role in advising the regional government on energy policy issues, and manages the different programs for the promotion of renewable energy and energy efficiency in the Canary Islands. We have working experience in several developing countries in which we have been involved in field work. We have a strong cooperation with our neighbouring countries (West African coast): Morocco, Mauritania, Senegal, Cape Verde, and Tunisia. -Facilities: Our facilities are located in the southeast of Gran Canaria, next to the sea coast, occupying a 100.000 m² plot on a site with excellent renewable energies conditions (annual mean wind speed: 7,8 m/s (10 m.a.s.); Solar irradiation on an horiz. Surface: 5,7 kWh/m²; day Sun Hours: 3000 h/year). The staff of ITC is made up of 185 professionals from a wide range of disciplines, with 40 engineers and physicist working directly in renewable energies based production. -Research fields:	El Instituto Tecnológico de Canarias S.A. (ITC) es una empresa pública, creada por el Gobierno de Canarias mediante Decreto 139/1992 de 30 de julio. Está adscrita a la Consejería de Empleo, Industria y Comercio del Gobierno de Canarias. ITC juega un papel importante a la hora de desarrollar la política energética canaria. También gestiona diferentes programas de promoción de energías renovables y eficiencia energética en las Islas Canarias. A través de los años ha trabajado en diversos proyectos con sus países vecinos (costa occidental africana): Marruecos, Mauritania, Senegal, Cabo Verde y Túnez. -Instalaciones: Nuestras instalaciones están situadas en el sureste de Gran Canaria, cercanas a la costa, ocupando un complejo de 100.000 m² en un lugar excelente para el aprovechamiento de energías renovables: media anual de velocidad del viento 7,8 m/s (10 m.a.s.); irradiación solar en una superficie plana 5,7 kWh/m²; horas solares :3000 h/año. El equipo de ITC cuenta con 185 profesionales de distintas disciplinas, con 40 ingenieros/as y físicos/as trabajando directamente en la producción renovable de energía. -Campos de investigación:

CREVER - Universitat Rovira i Virgili		Avda. Països Catalans 26 43007 - Tarragona		Spain		www.crever.urv.cat	Prof. Alberto Coronas, alberto.coronas@urv.cat	<p>Research Group on Applied Thermal Engineering at the Mechanical Engineering Department of The University Rovira i Virgili.</p> <p>-Research fields: The tasks and objectives of the research group are focused on the development of advanced energy conversion technologies in co-operation with partners from industry and the public sector.</p> <p>-The main research fields of expertise are: - Energy efficiency and renewable energy sources. - Energy audits and optimized energy solutions for industrial process plants. - Advanced integrated polygeneration systems for distributed energy generation including several generation technologies (micro gas turbines, fuel cells, ...) and thermally driven technologies (adsorption chillers, desalination plants, etc). - Design of refrigeration systems and heat pumps. Integration in energy systems. - Development of components and new absorption chillers. - Development and measuring of thermophysical properties of new working mixtures.</p>	<p>Grupo de Investigación en Ingeniería Térmica Aplicada de la Universitat Rovira i Virgili.</p> <p>-Campos de investigación: Las tareas y objetivos de CREVER están centrados en el desarrollo de tecnologías avanzadas de producción de energía en cooperación con entidades o empresas industriales privadas y públicas.</p> <p>-Las principales áreas de investigación son: - Eficiencia energética y fuentes de energía renovables. - Auditorías energéticas y soluciones energéticas optimizadas para plantas de proceso industriales. - Sistemas de poligeneración avanzados integrados energéticamente para sistemas de generación distribuida de energía empleando diversas tecnologías de generación (micro turbinas de gas, pilas de combustible, ...) y tecnologías activadas térmicamente (enfriadoras de sorción, plantas de desalinización, etc). - Diseño de sistemas de refrigeración y bombas de calor. Integración en sistemas energéticos. - Desarrollo de componentes y nuevas enfriadoras por absorción. - Desarrollo y medida de propiedades termofísicas de nuevas mezclas de trabajo.</p>
CIDEMCO		Area Anardi, nº5 20730 Azpeitia Gipuzkoa		Spain		www.cidemco.es	Sergio Saiz sergio.saiz@cidemco.es	<p>CIDEMCO Technological Research Center, is a private, not for profit organization which actively contributes to economic and social development, supporting and promoting Technological Innovation and Development (R+D) processes such as competitiveness strategies for environmental business.</p> <p>-Working areas: *Research Centre which has two main activities: Product certification (notified body for Construction products directive) and research and development Labs for acoustics, thermal, curtain walls, fenestrations, fire and materials -Research areas of the energy unit: *Solar cooling apps, absorption condensed by air *Energy efficiency in buildings *Ground source heat pumps *Solar radiation, glass, solar energy</p>	<p>CIDEMCO Centro de Investigación Tecnológica, es una organización de carácter privado y sin ánimo de lucro, que contribuye activamente al desarrollo económico y social, apoyando e impulsando los procesos de Innovación y Desarrollo Tecnológico (I+D+T) como estrategias de competitividad del entorno empresarial.</p> <p>-Áreas de trabajo: *Centro tecnológico dedicado a certificación de productos: Organismo Notificado para la Directiva 89/106/CE de Productos de Construcción. Laboratorio acreditado para medidas de prestaciones acústicas, térmicas, fachadas ligeras, resistencia y reacción al fuego, envejecimiento de materiales, etc. Evaluación de proyectos, certificación energética. -Líneas de investigación en el área de energía: *Refrigeración solar. Desarrollo de prototipo de absorción condensado por aire *Eficiencia energética en edificación *Geotermia superficial *Interacción radiación solar con la materia – vidrio – energía solar *Envolvente arquitectónica de elevadas prestaciones térmicas.</p>
AZTERLAN		Aliendale Auzunea nº6 48200 Durango Bizkaia		Spain		www.azterlan.es	Rosa Ortiz Cirión	<p>completely embedded in the industrial, Basque Science, Technology and Innovation Network and concerned about sustainable development.</p> <p>-Research fields: It is developed the dominance of transformation technologies and process; as well environmental remediation and the development of the basic and applied research The Centre is structured in four activity areas: "Sustainability and environmental department", "Department of Technology", "Department of Materials" and "Engineering and Foundry Processes Department". In each of these areas and according to their specialization, different research groups of AZTERLAN are working and forming synergies between the different departments.</p> <p>-Working areas: * Sustainability and environmental department: the activities in this area include the following strategic lines: • Industrial process sustainability. Eco-foundry (raw material replacement, optimization projects, modelization and process control, implantation of environmental-friendly technologies...etc) • Air quality and noise level: Air quality and noise level are studied in municipalities. • Recycling, valorization and waste management of Industrial Waste (refractories, ...). • Recycling, valorization and waste management of Urban Waste. Composting.</p>	<p>AZTERLAN es un centro tecnológico privado con más de 35 años de experiencia, integrado en el tejido industrial, en la Red Vasca de Ciencia, Tecnología e Innovación y comprometido con el Desarrollo Sostenible.</p> <p>-Campos de investigación: Se desarrolla el dominio de las tecnologías de transformación y proceso; así como de remediación medioambiental y el desarrollo de líneas de investigación básica y aplicada. Está estructurado en cuatro áreas de actividad: "Sostenibilidad y Medioambiente", "Tecnología", "Materiales" e "Ingeniería y procesos avanzados". En cada una de estas áreas, de acuerdo con su especialización, trabajan los distintos grupos de investigación de AZTERLAN, formando sinergias entre los diferentes departamentos.</p> <p>-Áreas específicas de trabajo son: * Área de Sostenibilidad y Medioambiente: las actividades en esta área se orientan a las siguientes líneas estratégicas: • Sostenibilidad de procesos industriales. Eco-fundición. (Sustitución de materias primas, tratabilidad de residuos, proyectos de optimización, modelización y control • Calidad atmosférica y niveles de ruido: estudio de la calidad del aire y de niveles • Reciclado, valorización y gestión de Residuos Industriales (Refractarios, arenas d • Reciclado, valorización y gestión de Residuos Urbanos (Compostaje)</p>
Haute Ecole Spécialisée de Suisse Occidentale (HES-SO) Fachhochschule Westschweiz	University of Applied Sciences Western Switzerland (HES_SO)	HES-SO Rue de la Jeunesse 1 CH - 2800 Delémont		Switzerland	+41 32 424 49 00	www.hesso.ch	info@hes-so.ch	<p>The Universities of Applied Sciences are practically-oriented education and research establishments. Two priorities are defined in accordance with the "Master plan for the Universities of Applied Sciences 2004-2007": the guarantee of a high quality education and the development of applied research and development. This specific mission for Universities of Applied Sciences has led the HES-SO to work closely with organisations in the academic and economic spheres.</p> <p>The fields are:</p> <ul style="list-style-type: none"> * Engineering Sciences * Business, Management and Services * Health * Social Work * Music * Design 	<p>Fachhochschulen sind praxisorientierte Ausbildungs- und Forschungseinrichtungen. Im „Masterplan für die Fachhochschulen 2004-2007“ sind zwei Prioritäten bestimmt: die Garantie einer qualitativ hochwertigen Ausbildung und die Entwicklung der anwendungsorientierten Forschung und Entwicklung. Aufgrund dieses besonderen Auftrags der Fachhochschulen arbeitet die HES-SO eng mit Wissenschaft und Wirtschaft zusammen.</p> <p>Die Fachbereiche sind:</p> <ul style="list-style-type: none"> * Ingenieurwissenschaften * Wirtschaft und Dienstleistungen * Gesundheit * Soziale Arbeit * Musik * Design

Institut für Solartechnik SPF	Institut für Solartechnik SPF	Institut für Solartechnik SPF Hochschule für Technik Rapperswil HSR Obereestrasse 10 CH-8640 Rapperswil Switzerland		Switzerland		www.solarenergy.ch	info@solarenergy.ch	<p>Goal and purpose</p> <p>The Institut für Solartechnik SPF is part of the Hochschule für Technik Rapperswil HSR. The Institute has been engaged in applied research and development on thermal solar technology since 1981. Around 20 members of staff (engineers, physicists and technicians) are occupied in the following areas:</p> <ul style="list-style-type: none"> * Materials and components (absorber coatings, substrates, covers, pumps, compensators) * Collectors (flat-plate and tubular collectors, liquid and gaseous heat transfer media, concentrating configurations) * Systems (solar domestic hot water systems, combined systems for space heating and hot water, solar cooling) * Information technology (Software "Polysun" to calculate and optimize collector systems) <p>SPF is involved in technology transfer between research and development centres on the one hand, and trade and industry on the other. In doing so, SPF acts as a link between users, investors, educational institutions, manufacturers and installation tradespeople.</p>	<p>Ziel und Zweck</p> <p>Das Institut für Solartechnik SPF ist Teil der Hochschule für Technik Rapperswil HSR. Das Institut betreibt seit 1981 angewandte Forschung und Entwicklung im Bereich der thermischen Solartechnik. Rund 20 Mitarbeiter (Ingenieure, Physiker und Techniker) beschäftigen sich in den folgenden Bereichen:</p> <ul style="list-style-type: none"> * Materialien und Komponenten (Absorberschichten, Substrate, Abdeckungen, Pumpen, Kompensatoren) * Kollektoren (Flach- und Röhrenkollektoren, flüssige und gasförmige Wärmeträger, konzentrierende Konzepte) * Systeme (solare Brauchwassersysteme, kombinierte Systeme Heizung und Warmwasser, solare Kühlung) * Informatik (Software "Polysun" zur Berechnung und Optimierung von Kollektorsystemen) <p>Das SPF engagiert sich im Technologietransfer zwischen Forschungs- und Entwicklungsstellen auf der einen Seite, sowie der Industrie und dem Gewerbe auf der anderen Seite. Damit wirkt das SPF als Scharnier zwischen Anwendern, Investoren, Hochschulen, Herstellern und Installateuren.</p>
EMPA	EMPA			Switzerland		www.empa.ch		<p>Empa is a materials science and technology research institution. It belongs to the ETH domain and as such is an important element in education, science and innovation in Switzerland. It specializes in applications, focused research and development, and provides high-level services in the field of sustainable materials science and technology. Its core tasks are innovative collaboration with industry and public institutions, ensuring the safety of people and the environment, knowledge propagation and university-level teaching.</p>	<p>Empa ist eine Forschungsinstitution für Materialwissenschaften und Technologie. Sie ist Teil des ETH-Bereichs und damit der Schweizer Bildungs-, Forschungs- und Innovationszene (BFI). Sie ist spezialisiert auf anwendungsorientierte Forschung und Entwicklung und erbringt anspruchsvolle Dienstleistungen im Bereich der nachhaltigen Materialwissenschaften und Technologien. Innovative Zusammenarbeit mit Industrie und öffentlichen Institutionen, die Wahrung der Sicherheit von Mensch und Umwelt, Wissensvermehrung und Lehre auf Hochschulniveau sind zentrale Aufgaben.</p>
Eidgenössisch Technische Hochschule ETH	Eidgenössisch Technische Hochschule ETH	ETH Zürich HG Rämistrasse 101 8092 Zürich SWITZERLAND		Switzerland	+41 44 632 11 11	www.ethz.ch		<p>Teaching</p> <p>Within the ETH Domain, teaching is primarily the task of ETH Zurich and EPF Lausanne. Their excellent worldwide reputation attracts professors of global standing and the most qualified students. The high standard of education and the quality of the courses offered lay the foundation for outstanding careers in high-tech industries. Doctoral candidates are able to work under excellent conditions at the cutting edge of research. The supervision of doctoral candidates is an important task for the four research institutes in the ETH Domain, all of which pursue applied research at a high level. Cutting edge research in a globalized world</p> <p>Priority research areas worldwide currently include nanotechnology, information technology and communications systems, biological and medical research and space technology. In view of the world's limited resources and runaway demographic development, sustainable environment and energy research are also a key area of focus. In recent years, most genuine innovations have come about when the limits individual disciplines have been transcended, good examples being the life sciences Services and technology transfer</p> <p>ETH Zurich, EPF Lausanne and, more particularly, the research institutions, provide</p>	<p>Lehre</p> <p>Im ETH-Bereich ist die Lehre in erster Linie Aufgabe der beiden ETH. Dank ihrem weltweit ausgezeichneten Ruf ziehen sie Professorinnen und Professoren von Weltrang und die besten Studierenden an. Die solide Ausbildung wie die hohe wissenschaftliche Qualität der Studiengänge und Kurse schaffen die Voraussetzung für anspruchsvolle berufliche Karrieren im High-Tech-Bereich. Doktorierende arbeiten unter exzellenten Rahmenbedingungen an den Frontlinien der Forschung. Die Doktorandenausbildung ist eine wichtige Aufgabe der vier Forschungsinstitutionen des ETH-Bereichs, die angewandte Forschung auf hohem wissenschaftlichem Niveau betreiben. Forschung</p> <p>Schlüsselthemen der Forschungsaktivität weltweit sind zurzeit Nanotechnologie, Informationstechnologie und Kommunikationssysteme, biologische und medizinische Forschung sowie Weltraumtechnologie. Angesichts begrenzter Ressourcen und einer rasanten demographischen Entwicklung stehen auch nachhaltige Umwelt- und Energieforschung im Zentrum. Echte Innovationen sind in den letzten Jahren meist durch die Überschreitung disziplinärer Grenzen entstanden, so bei den Life Science Dienstleistung</p> <p>Die beiden ETH und insbesondere die Forschungsinstitutionen erbringen Dienstleistung</p>
Fachhochschule Nordwestschweiz Institut Energie am Bau	University of Applied Sciences Northwestern Switzerland	Fachhochschule Nordwestschweiz Institut Energie am Bau St. Jakobs-Strasse 84 CH-4132 Muttenz		Switzerland	+41 61 467 45 45	http://www.fhnw.ch/habg/lebau/institut	lebau.habg@fhnw.ch	<p>The main activities of the institute Energie am Bau are in the field of efficient use of energy and appliance of renewable energies in the building sector. In this context special concepts for planning and realisation as well as building structure, building technique and building envelope are derived and analysed.</p>	<p>Das Institut ist auf dem Gebiet der effizienten Nutzung von Energie und dem Einsatz erneuerbarer Energien im Baubereich tätig. Es zeigt Wege auf, wie die Ziele der 2000 Watt-Gesellschaft im Baubereich erreicht werden können. In diesem Zusammenhang werden sowohl Konzepte im Rahmen der Raumplanung erarbeitet und in der Ausführung begleitet, als auch einzelne Fragen der Gebäudestruktur, der Gebäudetechnik und der Gebäudehülle untersucht. Neubauten und bestehende Gebäude an die Anforderungen der 2000 Watt-Gesellschaft heranzuführen ist ein Schwerpunkt des Instituts Energie am Bau. Ein wichtiges Kriterium für die Aktivitäten des IEBAu ist deren Nützlichkeit für die nachhaltige Entwicklung der Gesellschaft. Das Institut Energie am Bau ist technisch ausgerichtet und arbeitet schwerpunktmäßig im Bereich der ökologischen Nachhaltigkeit, ohne aber die wirtschaftliche und soziale Dimension der nachhaltigen Entwicklung ausser Acht zu lassen.</p>
University of Southampton, Sustainable Energy Research Group	University of Southampton, Sustainable Energy Research Group	School of Civil Engineering and the Environment, University of Southampton, Highfield, Southampton, SO17 1BJ, UK		UK	+44 (0)2380592051 / +44(0)2380677519	www.energy.soton.ac.uk	a.s.bahaj@soton.ac.uk g@soton.ac.uk	<p>The aims of the Sustainable Energy Research Group are to promote and execute fundamental, applied research and pre-industrial development in the areas of renewable energy sources and technologies. In addition the group undertakes research related to the efficient use of energy in the built environment.</p>	
Staffordshire University, Institute for Environment & Sustainability Research	Staffordshire University, Institute for Environment & Sustainability Research	Leek Road, Stoke on Trent Staffordshire ST4 2DF		UK	+44 (0)1782 294032	www.staffs.ac.uk	info@staffs.com , webmaster@staffs.ac.uk , sacha.oberweis@staffs.ac.uk	<p>The Institute for Environment & Sustainability Research at Staffordshire University provides a wide range of expertise in environmental policy and management, science and sustainable development.</p>	

Talbot Heating Ltd	Talbot Heating Ltd	Talbot's Ltd, Drummond Road, Astonfields Ind Est, Stafford ST16 3HJ		UK	+44 01785 213366 /+44 01785 256418	www.talbotts.co.uk	Enquiries@talbotts.co.uk	Talbot's Ltd is one of the leading UK bio-fuel specialists with over 4000 working installations, and takes part in biomass (mainly wood) related research.
Keele University, Research Institute for the Environment, Physical Sciences and Applied Mathematics	Keele University, Research Institute for the Environment, Physical Sciences and Applied Mathematics	Dorothy Hodgkin Building, Keele University, Staffordshire, ST5 5BG		UK	+44 (0) 1782 583475/+44 (0)1782 583371/+44 (0)1782 583740	www.keele.ac.uk	r.m.ormerod@chem.keele.ac.uk	
University of Leeds, Energy & Resources Research Institute	University of Leeds, Energy & Resources Research Institute	Houldsworth Building, University of Leeds, Clarendon Road, Leeds, West Yorkshire, LS2 9JT, UK		UK	+44 (0)113 343 2498/+44 (0)113 246 7310	www.engineering.leeds.ac.uk	p.t.williams@leeds.ac.uk/h.k.strachan@leeds.ac.uk	University of Leeds is involved in many forefront areas of energy and resource research, with an activity spectrum ranging from environmental and pollution monitoring to developing biomass resources and processes
University of Newcastle, Centre for Renewable Energy from Land (CREEL)	University of Newcastle, Centre for Renewable Energy from Land (CREEL)	School of Agriculture, Food and Rural Development, Agriculture Building, Newcastle upon Tyne NE1 7RU		UK	+44 (0)191 222 8900/6574/6573/+44 (0)191 222 7811	www.ncl.ac.uk	tina.huddart@ncl.ac.uk/afraid-enquiries@ncl.ac.uk	CREEL is being established at Cockle Park Farm so that the technologies and wider implications associated with the use of renewable sources of energy from the land can be promoted via research, education and demonstration. A range of renewable technologies will provide heat and power for buildings together with transport fuel for Farm/University vehicles.
The University of Warwick, School of Engineering	The University of Warwick, School of Engineering	Coventry, West Midlands		UK	+44 (0)24 7652 3137	www.warwick.ac.uk	R.E.Critoph@warwick.ac.uk	The University of Warwick aims to demonstrate a new type of heat pump that utilises ammonia, a refrigerant that has no greenhouse gas effects and can be powered by a variety of energy sources such as gas, waste heat or solar power. The demonstration would include a nominal 10 kW Convective Thermal Wave Adsorption (CTWA) chiller on the University campus.
Cardiff University, Centre for Research in the Built Environment, Welsh School of Architecture	Cardiff University, Centre for Research in the Built Environment, Welsh School of Architecture	Bute Building, King Edward VII Avenue, Cardiff CF10 3NB		UK	+44 (0) 29 2087 4430/+44 (0) 29 2087 4623	www.cardiff.ac.uk		Solar Thermal Absorption Cooling Systems (STACS)
University of Bath, Sustainable Energy Research team (SERT)	University of Bath, Sustainable Energy Research team (SERT)	Department of Mechanical Engineering, University of Bath, Bath BA2 7AY		UK	+44 (0) 1225 38 4550 or 5164	www.bath.ac.uk	en-sert@bath.ac.uk, W.G.Mezzullo@bath.ac.uk	Bioenergy Production and Use in the South West - A regional assessment is being made of resource availability, environmental performance and socio-economic benefits and costs. This involves the evaluation of crop production, conversion technology analyses, and Lifecycle Assessment from 'cradle to grave' of bioenergy systems. The study will determine the suitability of exploiting bioenergy within the region and its effects towards the UK's renewable energy commitments.
Oxford University Centre for the Environment – Environmental Change Institute (ECI)	Oxford University Centre for the Environment – Environmental Change Institute (ECI)	Oxford University Centre for the Environment, South Parks Road, Oxford, OX1 3QY		UK	+44 (0) 1865 275848/44 (0)1865 275850	www.eci.ox.ac.uk	enquiries@eci.ox.ac.uk	Energy in building environment