

Civil Society
Organizations and
Municipalities:
Success Stories

International Conference on Energy Efficiency, 2011 İstanbul













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Civil Society Organizations and Municipalities: Success Stories

Speakers Birgit Baindl (Ziel 21, Germany); Yvonna Gaillyova (Ecological Institute Veronica) Brno, The Czech Republic; Aygen Erkal (İMSAD)

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Energy Efficiency: Civil Society Organizations and **Municipalities**

Reports on the international conference held on September 30 - October 1, 2011 in Istanbul

Energy efficiency plays an increasingly important role for intelligent and future oriented energy policies. For the formulation of sustainable and comprehensive energy action plans, cooperation is needed between stakeholders at all levels: local, national and international.

Heinrich Böll Stiftung Turkey Representation, Center for Ecology and Energy (Bosnia and Herzegovina - BiH), Center for Monitoring and Evaluation (Serbia), Center for Progressive Technologies (Czech Republic) together with the European Union Policies Institute organized a twodays conference on September 30 – October 1, 2011 in Istanbul. The conference was open to the participation of local governments, NGOs and private sector representatives working on the issue of energy efficiency.

Launched in early 2010 and financed by the European Commission, the project "Strengthening Energy Efficiency Capacities and Networks of Civil Society Organizations and

Municipalities: Bosnia Herzegovina, Czech Republic, Serbia and Turkey" was closed with this international conference which aimed at increasing collaboration among different stakeholders with the potential to influence energy efficiency policies.

The conference brought together an impressive group of speakers from prominent international organizations, finance institutions and municipalities including the Covenant of Mayors (COMO), German Development Bank (KfW), Local Governments for Sustainability (ICLEI), United Nations Development Program (UNDP) and Istanbul Metropolitan Municipality. The aforementioned project started off with two surveys conducted in Serbia and Turkey analyzing the energy efficiency policies from a legal and administrative perspective. The project was followed with capacity building programs which targeted representatives from local administrations, civil society organizations, energy consultants and other relevant actors in BiH, Serbia and Turkey with the support from the Czech partner of the













project, Center for Progressive Technologies (for more information on the project, please visit www.e-efficiency.org).

The conference aimed at being a platform where local decision-makers, representatives from civil society organizations and private sector had the opportunity to exchange ideas and experience in the field of energy efficiency with international organizations, finance institutions and municipalities. A wide range of topics were covered in the conference including the following:

- Energy efficiency policies in the European Union
- Finances and energy efficiency
- The role of municipalities: action plans, local strategies and methods
- Cooperation between civil society organizations and municipalities: success stories
- Lobbying and networking among municipalities at the regional, national and international level

The three-volume conference publications contain the presentations made by speakers as well as the discussions that took place during and after the roundtables focusing on the specific topics of *Finances and Energy Efficiency*; *Municipalities: Good Practices and Action Plans, Lobbying and Networking Among Municipalities*; and *Civil Society Organizations and Municipalities: Success Stories*.

We hope that the publications help establish and strengthen the relationship between different stakeholders and that it will contribute to the formulation of a comprehensive and intelligent energy policy in Bosnia and Herzegovina, Serbia and Turkey.

We are truly grateful to all the speakers who took part in the conference for their full support and co-operation and also to the conference attendees for their enthusiastic participation.

Dr. Ulrike Dufner and Zeyneb Gültekin Heinrich Böll Stiftung Turkey Representation















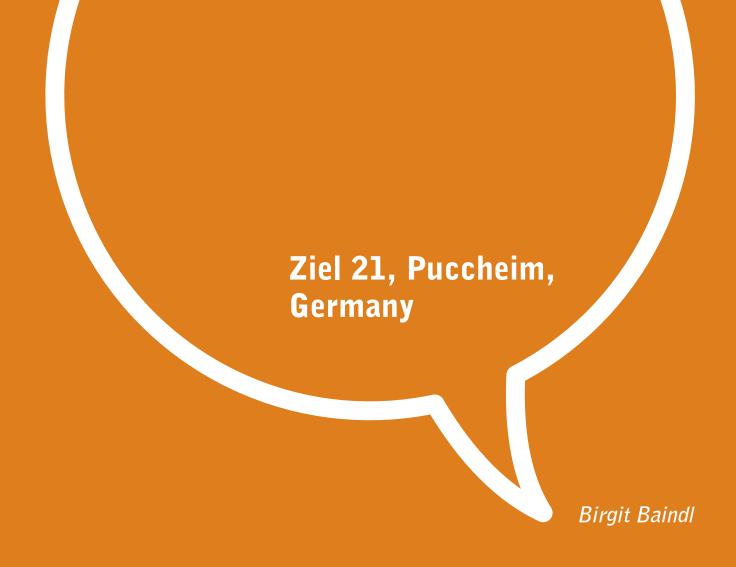














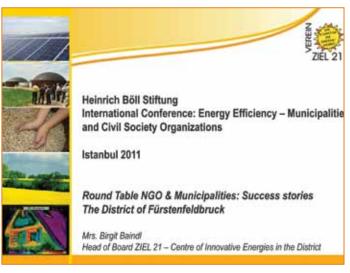


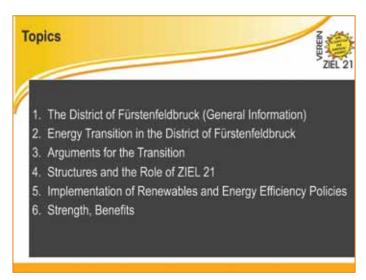


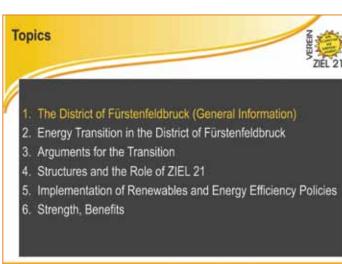


















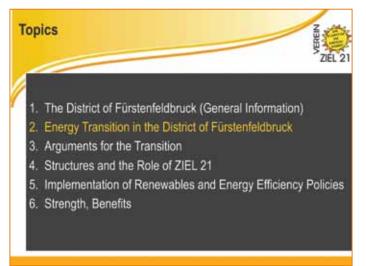


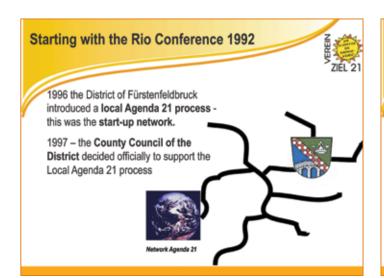


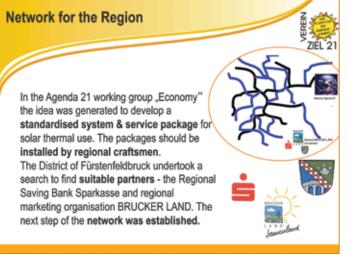




District of Fürstenfeldbruck District of Fürstenfeldbruck, Germany: located Southern Germany (Bavaria) at the Western border of the **Bavarian Capital City Munich** •200.000 inhabitants 435 km² densely populated •23 communities (4 cities)











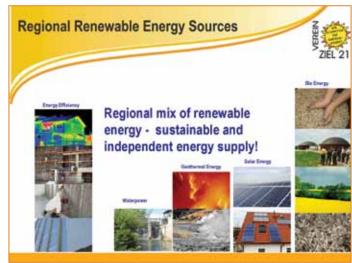


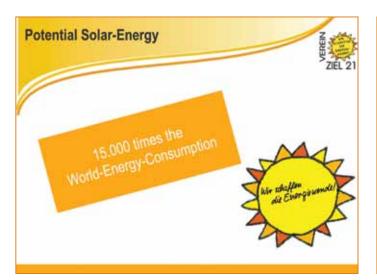


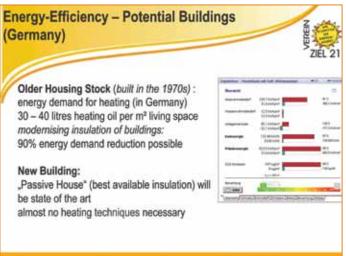














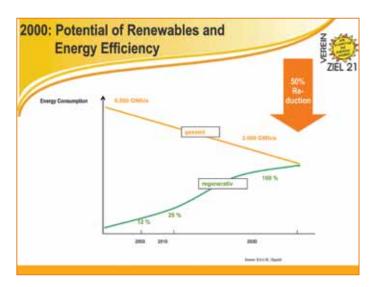




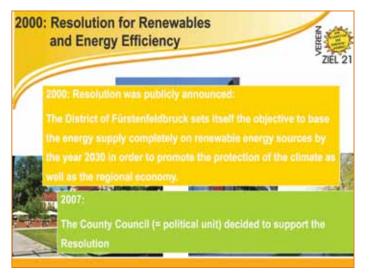


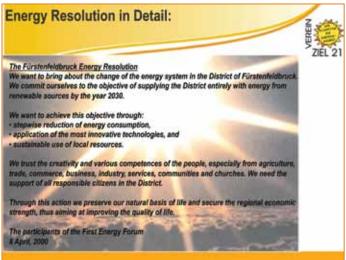














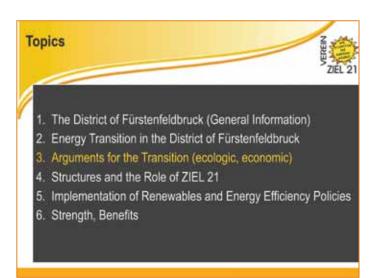




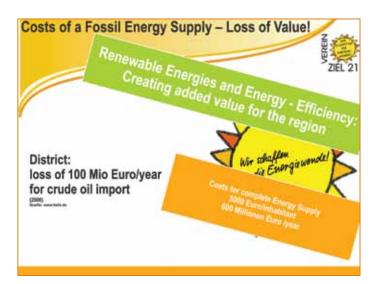


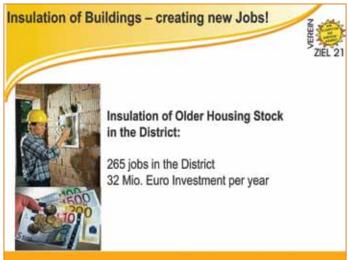
















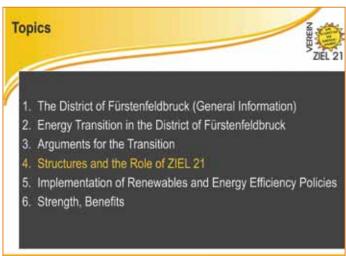


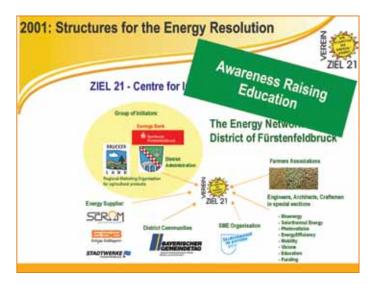




































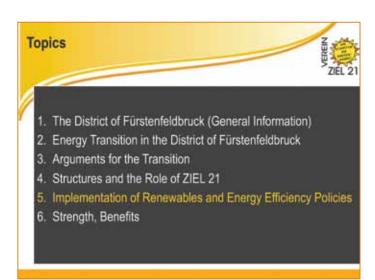


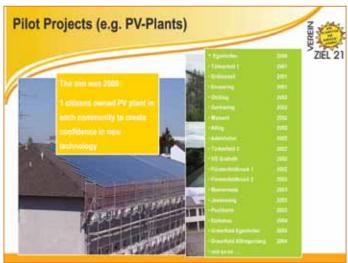


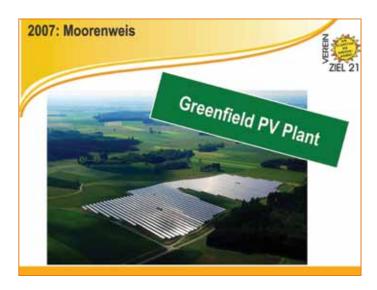


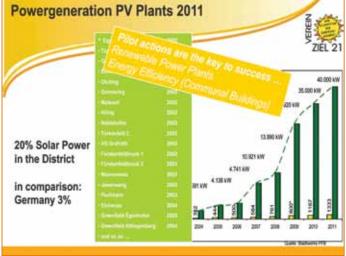














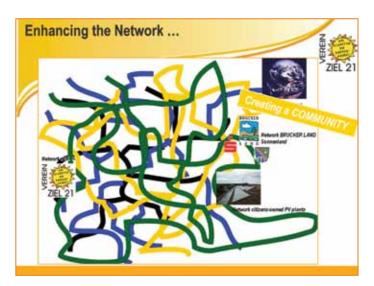


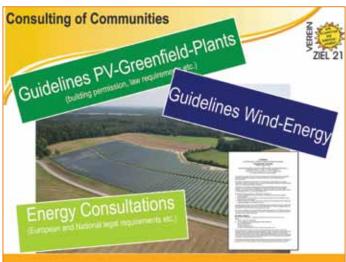


















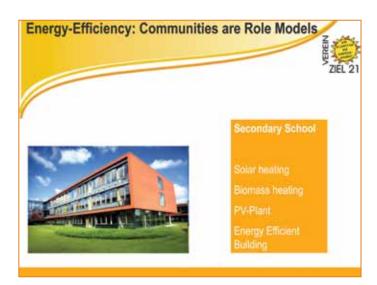
























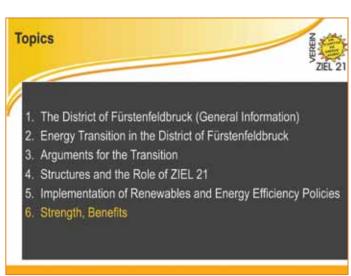


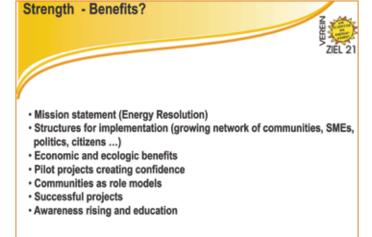














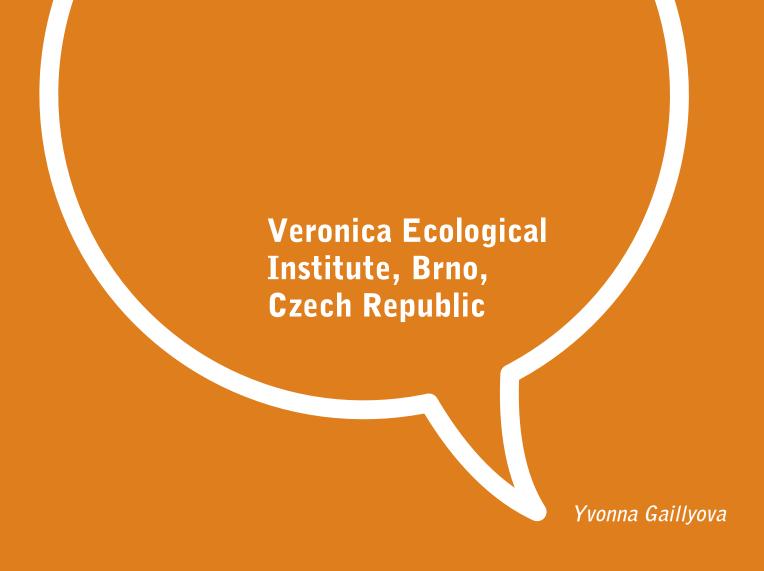




















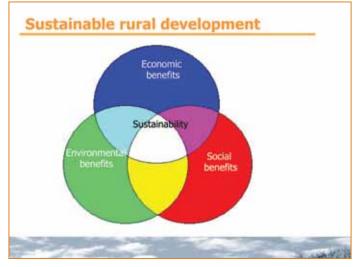




















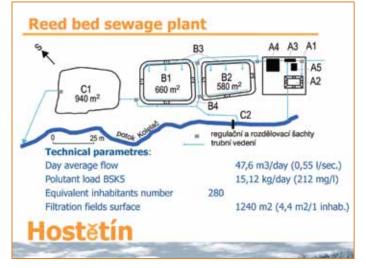
























Benefits

Economic

Cheap functioning

Environmental

- Cleaned sewage water to the landscape
- A new landscape component wetland habitat

Social

 Abolition of the construction ban (caused by a drinking water reservoir in 1966) – village development allowed

Clean and renewable energy sources Wood – traditional heating source

Biomass heating plant



Partnership

- Municipality Hostatin Investor, project carrier
- 2. District Authority Uherské Hradiště expert and administrative support
- 3. The Kingdom of the Netherlands (+ Biomass Technology group) common protection of the global climate
- ZO ÖSOP Veronica (NGO) monitoring, education, implementation





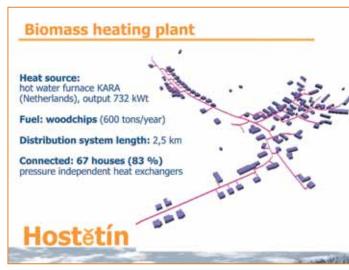


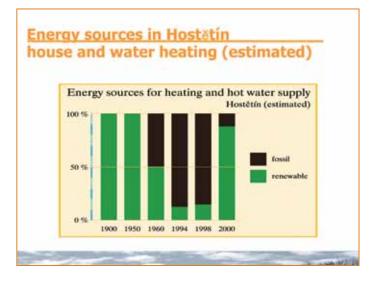












Benefits Economic independency of the world energy prices revenues stay in the region Environmental renewable source of energy yearly savings of 1 450 tons CO2 - climate protection Social local jobs











Solar energy

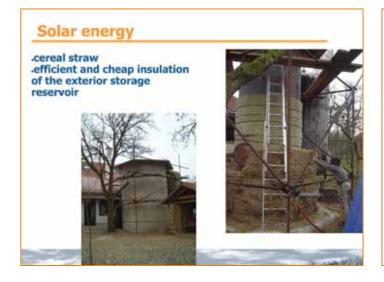
program "Sun for the White Carpathians"
 installation of "do it yourself" solar systems
 40 solar panels in the region

 .1 wide-area solar panel on the apple juice plant roof cooperation with Austrian partners





Electricity production – photovoltaic system on the applejuice plant roof area 64 m2 / maximum output 8,8 kW / 7000 kWh/year Hostatin 2008

















Apple juice plant



utilization of a traditional resource

Hostětín 1994 -2000

Partnership

- 1. ZO ČSOP Veronica (NGO) investor, project carrier
- 2. Traditions of the White Carpathians (NGO) traditional fruit varieties, marketing
- 3. Hellef fir d Natur, Luxemburg know-how transfer, quarantee of the project

Financing

Luxembourg Ministries of Environment and Foreign Affairs Own funds of ZO CSOP Veronica and Traditions of the White Carpathians

Products







apple juice unwatered, unfiltered, no added sugar or chemicals, conservated by pasteurization sediment on the bottom of the bottle - attribute of the natural character of the drink

Benefits

Economic

- utilization and sale of local agricultural produce
- · revenues stay in the region

Environmental

- conservation of local traditional fruit varieties
- · maintaining the typical landscape scenery with extensive orchards
- · support of organic agriculture

Social

- local jobs
- · organic food produce health effects

















Partnership

- 1. Municipality of Hostětín owner, operator
- 2. Philips Czech Republic reconstruction design
- 3. ZO ČSOP Veronica (NGO) education, implementation

Financing

Municipality of Hostětín – installation of the lamps Philips Czech Republic – delivery of the lamps

Benefits

Economic

- savings of electricity costs by 25 %
- Environmental
- electricity savings decreasing environmental burdens
- prevention of light pollution
- protection of night environment in the landscape Social
- quality of the night environment traffic safety in the community















Seminar Centre



- own building opened in November 2006
- . 50 places for education in the seminar hall
- . 100 places pro communal meetings
- accommodation:
- .25 beds in 2-4-bedded rooms
- office for employees and interns
- workshop for practical courses



Seminar centre



Model passive house

- . 1st public building in the passive standard in the Czech Republic
- · certified with the "Environmently Friendly Service" eco-label
- training facilities, information system, library
- · organic and local kitchen, Fair Trade products



Seminar Centre

education about pilot projects



- regional development
- water and landscape
- landscape
- energy
- ecological building
- . fruit
- · crafts

Target groups:

- public administration
- companies (esp. small and middle)
- experts craftsmen, professionals
- students, pupils
- NGOs
- public



HOSTĚTÍN

Seminar Centre

Forms of education:

- excursions
- seminars
- courses
- conferences, roundtables
- · programs for children
- public events



Traditional events:

- conference Rural Landscape
- · Apple Week
- Apple Celebration

















Partnership

- 1. ZO ČSOP Veronica (NGO) investor
- 2. Biomass Technology Group (BTG), Netherlands program cooperation
- 3. Architect G. W. Reinberg and E.V.A. (Austrian Energy Agency)
- 4. Municipality of Hostetin

Building realization

- selection process - Skanska



Financing

Building

European Union Structural Funds (SROP - ERDF)

State Budget (Ministry for Regional Development)

Matra Program (Netherlands)

Austrian Ministry of Environment Ceskombraysky cement (HeidelbergCement Czech Republic)

Philips Czech Republic

Nadace Partnerstvi (Environmental Partnership Foundation CZ)

Equipment

Region of Zlin

Lesy ČR (Forest Company) Own resources of ZO ČSOP Veronica

Toyota Environmental Activities Grant Program

Passive house



- 7x lower consumption of energy than in a common house (ca 15 kWh/m2/year)
- . insulation from mineral wool and strawbales
- threefold windows with heat passage up to 0,8 W/(m2.K)
- recuperation (ventilation with using the energy of the waste air)
- use of ecological building materials unburnt clay, straw etc.
- solar water heating



















Benefits Economic

- minimization of the operation costs Environmental
- significant energy savings
- pilot project of passive building, including
- technologies and components
- renewable materials and energy resources use
- Social
- Jocal jobs
- place for community meetings and activities

Study 2008 - analysis of the benefits and problems of the Hostetin projects

Economic Environmental

Social

----- Sustainability

What we explored:

- Quantitative and qualitative characteristics
- Benefits for the local economy
- .Savings money, energy, CO2 emmissions







Thank you!

Centre Veronica Hostetin Pilot projects of sustainable regional development

> www.veronica.cz / www.hostetin.veronica.cz hostetin@veronica.cz tel. +420 572 630 670



































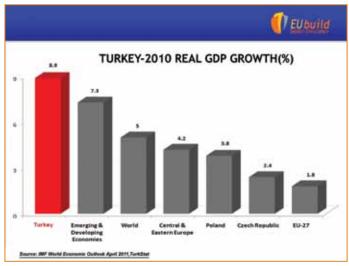






























MAJOR EXPORT MARKETS 2010

GENERAL EXPORT

1. GERMANY	10.1%
2. UK	6.3%
3. ITALY	5.7%
4. IRAQ	5.3%
5. FRANCE	5.3%

BUILDING MATERIALS

1. IRAQ	8.0%
2. EGYPT	7.5%
3. UAE	6.0%
4. LIBYA	5.5%
5. GERMANY	4.0%





2010:



NATURAL STONE

COATINGS







5th in World

6th in Europe







EUbuild



STANDARTS & QUALITY

-Construction Products Directive- (CPD) is compulsory in the national market since 2007

Council Directive of 21 December 1988 on the approximation of laws, regulations and administrative provisions to the Member States relating to construction products (89/106/CEE)



AnyCo Lnd, P.O. Box 21, B - 1050

0123 - CPD - 0001 EN 1254 (Internal use - Type III) Reaction to fire - Class II Flexural tensile strength – 10 kN/m² Thermal conductivity - NPD

CPD ESSENTIAL REQUIREMENTS:

- 1. Mechanical Resistance and Stability
- 2. Safety in case of Fire
- 3. Hygiene, health and the environment
- 4. Safety in use
- 5. Protection against noise
- 6. Energy economy and heat retention

FORECASTS FOR TURKISH FOREIGN CONTRACTING REVENUES

> NUMBER OF TOP GLOBAL FIRMS : 33 > WORLD RANKING : 2

: 22,1 BILLION USD > BUSINESS VOLUME

GROWTH RATE : 10 - 15 % 2011-2015: : 24,3 BILLION USD > BUSINESS VOLUME (2011)(2015) : 40,4 BILLION USD

FORECASTS FOR TURKISH BUILDING MATERIALS INDUSTRY

> PRODUCTION VOLUME : 68,1 BILLION TL 2010: > OVERALL GROWTH RATE : 11,5 %

2011-2015: GROWTH RATE : 14,5%

Source: ENR & IMSAD Research Report, Distribution Network and Channels in Building Materials Sector, 2011























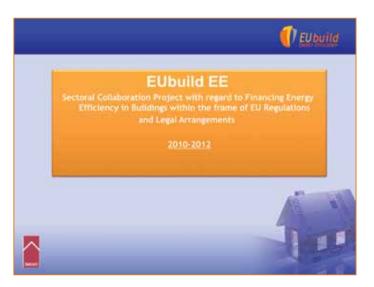






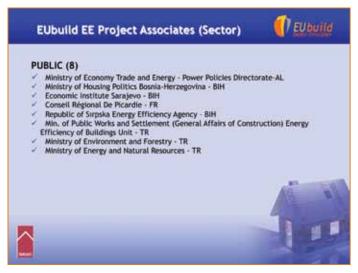














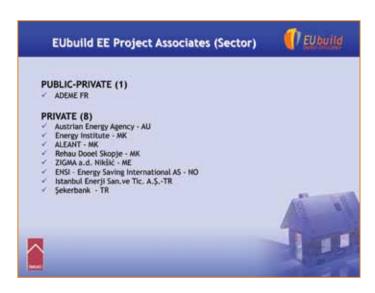


























































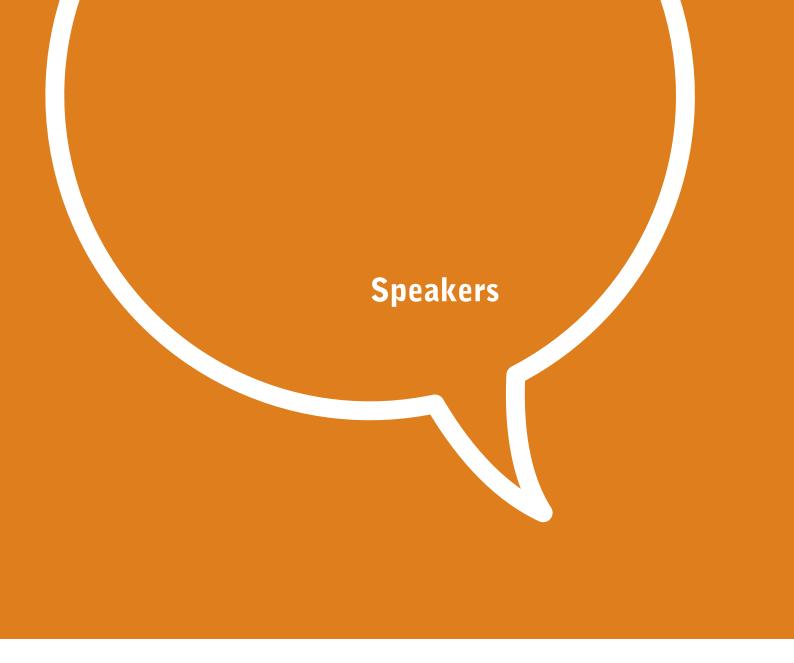
























Speakers

Birgit Baindl

Since 2001, Birgit Baindl is the Head of Board at ZIEL 21 - Zentrum Innovative Energien e.V. where her main activities and responsibilities are Communication, Administration, Public Relations and Consulting. Between 1998 – 2001, Baindl worked as Local Agenda 21 Expert at the District Administration of Fürstenfeldbruck. Between 1991 – 1998, she served as Waste Management Expert at the District Administration of Fürstenfeldbruck.

Yvonna Gaillyová

Since the middle of the 90's, Yvonna Gaillyová is one of the founders, movers and promoters of the Centre for Sustainable rural development (Centre Veronica) in Hostetin, White Carpathians. Her main concerns are renewable energy sources, energy efficiency in buildings and climate protection. Since 1997, Yvonna is the director of the Ecological Institute Veronica. She manages the organization with 20 employees and a turnover of about 300 thousand EUR a year exclusively from grants, donations, own services and subsidies. Under her leadership, Veronica received many important prizes and awards: Prize of Minister of the Environment, Environmental Award of the Foundation Ford Motor Company, Energy Globe for the Czech Republic and others.

Yvonna Gaillyová teaches at the Department of Environmental Studies at the Faculty of Social Studies of the Masaryk University in the subject "environmental aspects of

energy use, climate change". In 2006, she was awarded by the Josef Vavrousek Sustainability Prize and in 2010 she was the guide of Prince of Wales during his visit to Hostetin.

Aygen Erkal

Aygen ERKAL, was born in 1971 in Istanbul. She is aMetallurgical Engineer, graduated from Istanbul Technical University and has an MBA Degree from University of Nottingham, UK. She has managerial experience of 15 years and currently working in IMSAD, Association of Turkish Building Material Producers as Business Development Coordinator. She is also the Project Coordinator of EU build EE – Financing Energy Efficiency in Buildings Project which was funded by EU under the SEP – Socio Economic Partnership Program for Turkey and Balkans.













