



Book tips:

- **Ugo Bardi:** „Der geplünderte Planet: Die Zukunft des Menschen im Zeitalter schwindender Ressourcen“. (The ravaged planet: The future of human beings in the age of dwindling resources: Language: German)
- **Franz Alt:** „Auf der Sonnenseite – Warum uns die Energiewende zu Gewinnern macht“. (On the sunny side – why the change in energy policy turns us into winners: Language: German)
- **Karl-Heinz Haas:** „Der Weg zum Nullenergiehaus – ein Schritt-für-Schritt-Wegweiser zum eigenen Nullenergiehaus“. (The way to the zero energy house – a step by step guide for an own zero energy house: Language: German)

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VIS NOVA

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Project Partner news

Partnermeeting in Tulln from 3 June to 7 June 2013

The sixth international Partnermeeting took place in Tulln, Austria. Besides the visitation of various plants using renewable energies, the most important part of the meeting was the exchange between the partners and the determination of aims and further steps to be taken within the project.

renewable energy and energy saving. During the Conference both the visualisation of the heating plant in Michelhausen and the automated access control at the new common waste collection center were presented. Both of them are pilot projects in the framework of VIS NOVA. In addition to the funding program “model regions for climate and energy”, the energy efficiency plan for the region Tullnerfeld west was presented. Furthermore current topics such as electromobility and sustainable street lighting were taken up in presentations by experts. The Energy and Environment Agency in Lower Austria introduced themselves as well as their program called e5, which is for energy efficient communities. At the end of the Conference the winner of the logo contest of the model regions for climate and energy - Alternative Zwentendorf/ Lower Austria - was chosen.



Energy Conference on 3 June 2013

In the framework of the VIS NOVA project a Conference on the theme of energy was held in Michelhausen, Austria, where international project partners from Hungary, Poland and Germany participated. Other participants were the mayor, community workers and people from the region Tullnerfeld west, who were interested in



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Project Partner news

Educational Trip of Advisory Council of Economic Development Corporation (EDC) and Managers of regional Energy Suppliers

From 20th to 21st of June 2013 members of the advisory council of the EDC of Northern Saxony, and managers of the regional suppliers were on an educational trip to the Energy Research Center of Lower Saxony in Goslar. On the way to Goslar, the first visit was in the region of Harz Mountains to discuss the pilot scheme of a region of renewable energies. The focus of this pilot scheme is a virtual power plant, which shall be established in the next years. The next visit in the afternoon was in the Energy Research Center of Lower Saxony (ERCLS) in Goslar. The Manager of ERCLS Dr. Springmann gave an introduction to the ERCLS. Mr. Prof. Dr. Beck informed in short presentations actual research topics in the themes of cogeneration of heat-power-cold and smart grids in small and large scale. After the presentation Mr. Prof. Dr. Beck gave a tour to the laboratories of ERCLS.

The feedback to the ERCLS was very positive. The research of the ERLCS is very close to the business, nearly all research projects are in cooperation with companies.

First Energy Symposium in Tulln on 13 June 2013

Considering the facts, that renewable energies have enormous saving potential and chances to profit, the first Energy Symposium took place on 13th of June 2013 at the Agricultural Technical School Tulln. The invited population have been informed about VIS NOVA, protecting themselves from rising energy costs and doing well for the environment. Other topics were updates to financing and subsidies as well as earning money with photovoltaics. Electromobility was explained with the new Renault ZOE. All visitors of the Energy Symposium could also begin a conversation with the experts.

<http://www.vis-nova.eu>

Celebrating the 100th anniversary of establishment of the Mining Academy in Krakow

One hundred years ago, on 31st of May 1913, Emperor Francis Joseph approved the establishment of a higher school of mining in Krakow. AGH, the University of Science and Technology celebrated this event from 14th -15th of June 2013. They wanted to mark the anniversary of the establishment of their university with a formal meeting of the University Senate, occasional lectures, and meetings with the authorities of departments on these days. A highlight was also a Great Picnic named "Meet you at the AGH". Besides this event it is to mention that the students of the university are active in the field of



constructing racing cars. On the 13th of June 2013 they presented the first ever University race car that was designed by a team of AGH Racing. The main objective of AGH Racing is to participate in the largest and most-well-known student formula competition in the world.

<http://www.agh.edu.pl/en/100-lecie-powolania-ag/program-wielkiego-pikniku/>

Successful participation on the Shell Eco-marathon Europe in Hungary

The event was held from 15th to 19th of May 2013 in Rotterdam. The team of Kecskemét College and University Óbuda had a successful event and did well on the Shell Eco-marathon. Both of them entered for the competition in the Prototype Petrol (gasoline) with self-made car. Among 79 competitors the Kecskemét College



was on the 2nd place with 2366,9 km/litre and the University Óbuda was on the place of 19 with 565,45 km/litre. According to the Prototype – Hydrogen the Pollack Eco (University of Pécs) Team was at the place of 11 with 123,3 km/kWh.

About Shell Eco-marathon Europe

Shell Eco-marathon is a unique competition that challenges students to design, build and drive the most energy-efficient car. At three events around the world hundred of teams compete to travel the furthest on the least amount of energy. Some achieve distances equivalent to driving from Paris to Moscow (that's 2,485 km or 1,544 miles) on a single litre of fuel. An unique competition brings together around 200 teams and 3,000 students from across Europe to battle for ultra energy efficiency on the road. Using their creativity and ingenuity, participants drive futuristic revolutionary cars around an urban track. The event also featured the Shell Energy Lab, packed with attractions around innovation and the future of energy. Further information: <http://www.shell.com/global/environment-society/ecomarathon.html>

Congresses & exhibitions

03.09.2013/ Budapest
Gas Portfolio Management Seminar (further information at: <http://www.ik-bungary.hu/rendezvenynaplaj?ID=1437Program>)

09.09.2013 – 10.09.2013/ Budapest
CEB® Clean Energy Building Expo (further information at: www.ceb-expo.hu)

12.09.2013 – 13.09.2013/ Gyula
Waste recovery Conference (further information at: www.geptame.hu)

13.09.2013 – 14.09.2013/ Rheda-Wiedenbrück
Professional Convention for active Climate Protection – using energy efficiently (registration at congressundresse@t-online.de)

17.09.2013-19.09.2013/ Stuttgart
HYBRID Expo (<http://www.messe-stuttgart.de/de/besucher/veranstaltungsdetails/termin/824/a/showevent/EF31/>)

24.09.2013-25.09.2013/ Kassel
5th Congress "100% Renewable-Energy-Regions" (more information at: <http://www.100-ec-kongress.de/english-information/>)



Project Partner news

Biggest passive house in Budapest

Foundation stone of the biggest passive house with 100 flats was put in Budapest. The project will be finished till April 2014. It costs net. 2,2 milliard Hungarian Forint, the first residential will be able to move in the flats 1 year from now. The residential complex will have 3 building blocks with 3 types of flats. The biggest flats are 60 m² (1+2 halfrooms), the middle flats are 50 m² with one room and one livingroom, and the smallest flats are 40 m² with one area.



GreenHouse in Central-Transdanubia

In Veszprém (in Central-Transdanubia) a GreenHouse (in Hungarian language: „Zöldlak”) was built, which opens for residents. The house is a Model House with low-energy cost. This 100m² area contains environment friendly methods, tools, ideas. The electric current is provided by the solar cells (12 pieces). The

heating is running with gas, because the condition of the place was not allowed to use geothermal energy. According to the water supply as an eco-solution, the toilet is running with rainwater. They built up a multifunctional lighting system with LEDs and halogens. Their aim is to reach a lifestyle change among the inhabitants with these equipments and tools (which can be tried, touched, started and rented) and of course with the personal meeting. www.zoldlak.hu

LSG Meeting on 4th of July 2013 in Gorlice



During the meeting, Mr. Markowicz presented the selection process of some good practices. For example setting up a modern research and education facility serving as the base and support for industry in Miękinia or modernising the street lighting in the Jarosław County. Another example was the Specialist Hospital in Gorlice where they want to do a thermo modernisation of the building and a modernisation of the central heating system. The investment's feasibility study for cogeneration in the Gorlice hospital will be ready in autumn. A further point was the energy management system in the School Complex no. 1 in Gorlice, which is a pilot investment within the VIS NOVA project.



International news

Renewables to surpass gas by 2016 in the global power mix: According to the MTRMR, despite a difficult economic context, renewable power is expected to increase by 40% in the next five years. Renewables are now the fastest-growing power generation sector and will make up almost a quarter of the global power mix by 2018, up from an estimated 20% in 2011. The share of non-hydro sources such as wind, solar, bioenergy and geothermal in total power generation will double, reaching 8% by 2018, up from 4% in 2011 and just 2% in 2006. “As their costs continue to fall, renewable power sources are increasingly standing on their own merits versus new fossil-fuel generation,” said IEA Executive Director Maria van der Hoeven as she presented the report at the Renewable Energy Finance Forum in New York. “This is good news for a global energy system that needs to become cleaner and more diversified, but it should not be an excuse for government complacency, especially among OECD countries.”

http://www.sonnenseite.com/News/Renewable_s+to+surpass+gas+by+2016+in+the+global+power+mix_80_a25836.html

National news

German Local Sustainability Award “ZeitzeicheN”: The network21 Conference awards the seventh time the German Local Sustainability Award “ZeitzeicheN”, in the amount of 14.000 € in total. It honours outstanding activities for developing a community for the future in the categories of initiatives, companies, municipalities, youth and international partnerships. With this award they want to raise awareness to exemplary engagement for a liveable future. Outstanding initiatives that have recognised the signs of the time are publicly recognised with this award. Furthermore the prize will be awarded for “ZeitzeicheN-ideas”. With this award future-oriented concepts and ideas will be honoured. This competition serves to give actors at local level an initial aid for the implementation. The application for the award can be a self-application or can be made as a proposal from a third party. The closing date for entries is 15 August 2013.

For more information see: <http://www.netzwerk21kongress.de/zeitzeichen/de/zeitzeichen.asp>

Congresses & exhibitions

25.09.2013/ Budapest
Energy Portfolio Manager Seminar (further information at: <http://www.ic-hungary.hu/rendezvenymapiar?id=1440&nap=1>)

25.09.2013 - 27.09.2013/ Budapest
OKOINDUSTRIA – International Environmental Industry, Energy Efficiency and Renewable Energy Source Trade <http://okoindustria.hu/en>

26.09.2013 - 29.09.2013/ Augsburg
Fair:
The 14th International Energy Trade Fair RENEXPO®.

For further information contact Fachverband BIOGAS e.V. under:

http://www.biogas.org/eds/om/webfb.nsf/id/DE_Termine_Sortiert