



## EVENT DESCRIPTION

### Project Partner: EnergaP

**Title of the event: Training seminar: “Renewable energy sources and energy efficiency – the use of solar process heat**

**Date & location:** 6<sup>th</sup> October 2011 at 12 o'clock

**Organiser(s):** Energap

**Number of Participants:** 29

### Summary

The training seminar was organized to raise the knowledge and foster the implementation of solar process heat. The knowledge about renewable energy sources in industry is weak in Slovenia. It is even worse with the topic solar process heat. The main barrier for wider implementation is in the lack of knowledge and information. Energap has organized in the cooperation with the company Viessmann Slovenia the training seminar. Viessmann Slovenia is one of the biggest producer/seller of solar systems in Slovenia. The target group were mainly planner of energy systems and also some process experts from industry.

In the future the training seminar will be organized each year, not only in Maribor region but also in three other regions – covering the whole area of Slovenia. In addition to the seminar described, 3 seminars will be organized in Lipica, Otočec and Dobrna during October 2011. With this activity around 150 participants will get more information and knowledge about RES and solar process heat. To all of them the guidelines for solar process heat will be presented.

### Objective & main programme point

The main aim of the training seminar was to spread the knowledge and information about the solar process heat to the experts in energy planning and industrial technologies. The topics of RES and potential of solar systems was mainly addressed. The main educational points were the information about Action plan for RES in connection with the industry. Presentations of energy efficient apparatuses and the ones that use RES were made. One of the topics were also the use of software programmes to plan the solar systems – the program of company Viessmann were presented that can be used – with some minor changes – also for planning the solar systems in industry.

One of the main tool – guide for planning the solar process heat was also presented and some calculation were made together with the participants. The already implemented projects in the frame of SOPRO project were presented and also the ones in Slovenia. Together with the systems some energy and financial calculations were presented. Financing is one of the most problematic parts of the implementation therefore the contracting system together with the possibilities to get credits or some subsidies were shown. The contracting is not well known in Slovenia so it is very important to deliver the knowledge about it also. With it the users and system's providers can be the equal partner in long-term agreements.

### **Conclusions & lessons learnt**

- SO PRO project were presented.
- The main principles about energy efficiency were presented as a basic condition for implementing RES.
- The main knowledge about RES was delivered.
- Modern energy efficient systems for the utilization of RES especially solar were presented.
- Company Viessmann has presented their software tool for planning the solar systems and with the small changes it can be used also for planning the solar systems in the industry.
- The basic knowledge about energy audits in industry are important also for process experts
- Guidelines for planning the solar systems in industry are giving the good basis for upgrading the knowledge.
- The best practice showcases are very important for market development for solar process heat.
- Without addition financial sources the implementation is quite questionable. The return periods are too long. With subsidies it can be better.
- Contracting financial agreements are very promising but all partners should have enough knowledge to make long term positive results for both parties.
- The best practice in SO PRO implemented in Slovenia is very important because it gives the impulse that also without subsidies the project can be implemented and it already shows the good results.

## ANNEX

- Programme
- Pictures
- Invitation

### Programme:

#### 12.00 – 15.00

- Introduction to SO PRO project – *Klavdija POLUTNIK, ENERGAP*
- Energy efficient apparatuses – *Slavko MOŽE, Viessmann Slovenia*
- Renewable energy systems – *Peter KOMPLET, Viessmann Slovenia*
- Software tools for planning the RES systems also in industry – *Peter MOŽE, Viessmann Slovenia*
- Energy audit in industry - *Vlasta KRME LJ, ENERGAP*
- Technical guidelines for planning the solar systems in the industry - *Marko ROJS, ENERGAP*

#### 15.30 – 16-00 *Coffee break*


#### 16.00 -18.00 **From planning to the project implementation**

- Presentations of the national action plan for RES and part for industry - *Vlasta KRME LJ, ENERGAP*
- Financing the RES projects and contracting scheme - *Vlasta KRME LJ, ENERGAP*
- Presentations of the implemented projects in EU and in Slovenia - *Marko ROJS, ENERGAP*

### Pictures:



## Invitation:



**SO-PRO**  
6. oktober  
2011

Energetska agencija za Podravje vas v sodelovanju s podjetjem Viessmann d.o.o. vabi na izobraževanje in okroglo mizo

**»Obnovljivi viri energije in učinkovita raba – priložnost za razvoj«**

v četrtek, 06. oktobra 2011,  
med 12.00 in 20.00 uro, v hotel Draš, Pohorska ulica 57, Maribor

**Program:**  
**12.00 Obnovljivi viri in učinkovita raba energije**

- Predstavitve projekta SO PRO – *Klavdija POLUTNIK, ENERGAP*
- Načrtovanje učinkovite rabe energije – *Slavko MOŽE, Viessmann Slovenija*
- Načrtovanje obnovljivih virov energije – *Peter KOMPLET, Viessmann Slovenija*
- Programska orodja kot pomoč pri načrtovanju obnovljivih virov energije v proizvodnji – *Peter MOŽE, Viessmann Slovenija*
- Energetski pregled v proizvodnji - *Vlasta KRME LJ, ENERGAP*
- Smernice za tehnično načrtovanje solarnih sistemov v industriji - *Marko ROJS, ENERGAP*

**15.30 Neformalno druženje in izmenjava izkušenj ob kavi in prigrizku**

**16.00 Od načrtovanja do izvedbe projektov**

- Predstavitve Nacionalnega akcijskega načrta za obnovljive vire energije in vključevanje industrije - *Vlasta KRME LJ, ENERGAP*
- Financiranje izvedbe projektov po sistemu pogodbenega financiranja - *Vlasta KRME LJ, ENERGAP*
- Predstavitve izvedenih primerov solarne procesne toplote v industriji v EU - *Marko ROJS, ENERGAP*
- Predstavitve primera dobre prakse uporabe solarne toplote v industrijskem procesu - podjetje Soven - *Marko ROJS, ENERGAP*

**18.00 Okrogla miza na temo »Obnovljivi viri energije in učinkovita raba – priložnost in razvoj**

Uporaba obnovljivih virov energije in učinkovita raba energije v domovih, javnih stavbah in industriji je potencial za trajnostni razvoj podjetij, zmanjšanje emisij CO<sub>2</sub> in zniževanje stroškov. Hkrati to pomeni izboljšanje konkurenčnosti tudi na okoljsko ozaveščenih tržiščih. Novi mehanizmi financiranja omogočajo izvedbo projektov tudi gospodarski krizi. Poseben primer je načrtovanje OVE v proizvodnji, kjer je prav tako velik potencial.

**Vljudno vabljeni!**

Prosimo vas za potrditev udeležbe do 05.10.2011 po telefonu: [02 234 23 62](tel:022342362) ali na e-naslov: [info@energap.si](mailto:info@energap.si). Udeležba je brezplačna.

