

## Heat Entrepreneurship Cluster of South Ostrobothnia



Heat entrepreneurs produce heat for customers by using renewable solid bio-fuels. In recent decades this operational model has become more common in Finland. Different skill sectors have formed around heat entrepreneurship such as training, research, consultation and equipment production. A heat entrepreneurship knowledge cluster has been built in South Ostrobothnia Finland.

The HECSO development project has assembled the heat entrepreneurship knowledge cluster of South Ostrobothnia. The knowledge cluster has been made to utilise, in many different ways, the companies located in the region, other actors in the region and the internationalisation of the whole province.

A principal component of internationalisation is the knowledge cluster's training package on heat entrepreneurship, which is on offer to interested foreign target groups. Vocational Adult Education Sedu is responsible for the training. The training package lasts for one week, and is compiled through co-operation with the Finnish Forest Centre and regional heat entrepreneurs and machine and equipment manufacturers.

Heat entrepreneurship is the production of local renewable energy, where an entrepreneur or company sells heat at an agreed price to a user. In the best scenarios there can be many heat purchasers. Heat is conveyed to the customer from the heating plant by a district heating network. Generally the fuel is the entrepreneur's own forest or locally procured wood, but it can also be wood refining by-products, wood for re-cycling and peat.

The knowledge cluster consists of heat entrepreneurs, heat entrepreneurship units, research, training and the supply of machines and equipment for the whole production chain. The knowledge cluster can also be utilized internationally by offering knowledge and training opportunities to foreign target groups.

## PODROBNOSTI

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### PÔVOD DREVA

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### DRUH DREVA

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### UVAŽOVANÝ DRUH DREVA

Stemwood, Above and below ground woody biomass

### VPLYV NA ŽIVOTNÉ PROSTREDIE A BIODIVERZITU

Positive/reduces the use of fossil fuels

### DOPAD NA PRÍJMY

Positive

### POTENCIÁL VYUŽITIA

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### ROZBOČOVAČ

Severný uzol

### EKONOMICKÝ VPLYV

Very positive

### POTREBA ŠPECIFICKÝCH ZNALOSTÍ

Good network abilities needed

### MOBILIZAČNÝ POTENCIÁL

Medium

### POTENCIÁL UDRŽATEĽNOSTI - HODNOTA

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### UĽAHČENIE IMPLMENTÁCIE

Medium

### UĽAHČENIE IMPLMENTÁCIE - HODNOTENIE

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### Kľúčové PREPOKLADY

Heat entrepreneurship promotes local business activity

### TYP PODUJATIA, NA KTOROM BOL TENTO BPI PREZENTOVANÝ

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### DOPAD NA ZAMESTNANOSŤ

Positive / increases local employment

### NÁKLADY NA IMPLEMENTÁCIU (EURO - €)

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## VIAC INFORMÁCIÍ

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### RIEŠENÁ VÝZVA

4. Zabezpečiť dobre vyškolenú pracovnú silu prostredníctvom atraktívneho rozvoja zručností a vzdelávania

### Kľúčové SLOVÁ

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### KRAJINA PôVODU

Fínsko

### DOMAIN

Správa inovácií, digitálne uzly, klastre, využívanie (priebežné)

### DIGITALNE RIEŠENIE

Nie

### ROZSAH APLIKÁCIE

Regionálny/

### TYP RIEŠENIA

Siete, testovacie zariadenia, platformy pre výskum a vývoj

### INOVÁCIE

Nie

### ZAČIATOK A KONIEC ROKA

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## KONTAKTNÉ ÚDAJE

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### VLASTNÍK ALEBO AUTOR

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### REPORTÉR

## REFERENCES AND RESOURCES

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### HLAVNÁ WEBSTRÁNKA

<http://www.hecso.fi/>

### PROJEKTOVÁ WEBSTRÁNKA

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### REFERENCIA PROJEKTU

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### ZDROJE

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PROJEKT, V RÁMCI KTORÉHO BOL TENTO INFORMAČNÝ PREHĽAD VYTVORENÝ

Rosewood

DÁTUM ODOSLANIA

17 sep 2019

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Link to Rosewood 4.0



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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

