

# 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.

## DETTAGLI

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### ORIGINE DEL LEGNO

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### TIPO DI LEGNO

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### TIPO DI LEGNO IN QUESTIONE

Stemwood, Above and below ground woody biomass

### POTENZIALE DI MOBILITAZIONE

Medium

### IMPATTO SULL'AMBIENTE E LA BIODIVERSITÀ

Positive/reduces the use of fossil fuels

### FACILITÀ DI IMPLEMENTAZIONE

Medium

### FACILITÀ DI IMPLEMENTAZIONE - VALUTAZIONE

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### EFFETTO SUL REDDITO

Positive

### PREREQUISITI CHIAVE

Heat entrepreneurship promotes local business activity

### POTENZIALE DI SFRUTTAMENTO

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### TIPO DI EVENTO IN CUI QUESTO BPI È STATO PRESENTATO

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### HUB

Polo Nord

### EFFETTO SUL LAVORO

Positive / increases local employment

### IMPATTO ECONOMICO

Very positive

### I COSTI DI ATTUAZIONE (EURO - €)

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### CONOSCENZE SPECIFICHE NECESSARIE

Good network abilities needed

## PIÙ DETTAGLI

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| SFIDA RISOLTA   | DOMINIO  | TIPO DI SOLUZIONE   |
|---|--|---|
| 4. garantire una forza lavoro ben addestrato attraverso lo sviluppo delle competenze e l'istruzione attraente | gestione dell'innovazione, mozzi digitali, cluster, sfruttamento (trasversale) | Reti, banchi di prova, le piattaforme di ricerca e sviluppo |
| PAROLE CHIAVE   | SOLUZIONE DIGITALE   | INNOVAZIONE   |
| --  | No   | No  |
| PAESE D'ORIGINE   | SCALA DI APPLICAZIONE  | INIZIO E FINE ANNO  |
| Finlandia   | Regionale / sub-nazionale  | --  |

## CONTATTI

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| PROPRIETARIO O AUTORE | REPORTER |
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## REFERENCES AND RESOURCES

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| SITO PRINCIPALE   | RISORSE |
|---|---------|
| <a href="http://www.hecso.fi/">http://www.hecso.fi/</a> | --      |
| SITO WEB DEL PROGETTO                                   | --      |
| PROGETTO DI RIFERIMENTO                                 | --      |

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PROGETTO NELL'AMBITO DEL QUALE QUESTA SCHEDA è STATA CREATA

Rosewood

DATA DI INSERIMENTO

17 Set 2019

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY



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