

# 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.

## DETALLES

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### ORIGEN DE LA MADERA

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### TIPO DE MADERA

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### TIPO DE MADERA AFECTADA

Stemwood, Above and below ground woody biomass

### POTENCIAL DE MOVILIZACIÓN

Medium

### POTENCIAL DE SOSTENIBILIDAD - VALOR

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### IMPACTO EN EL MEDIO AMBIENTE Y LA BIODIVERSIDAD

Positive/reduces the use of fossil fuels

### FACILIDAD DE APLICACIÓN

Medium

### FACILIDAD DE IMPLEMENTACIÓN - EVALUACIÓN

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### EFFECTO SOBRE LOS INGRESOS

Positive

### PREREQUISITOS CLAVE

Heat entrepreneurship promotes local business activity

### POTENCIAL DE EXPLOTACIÓN

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### TIPO DE EVENTO EN EL QUE SE HA PRESENTADO ESTA IFS

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### HUB

Eje Norte

### EFFECTO SOBRE EL EMPLEO

Positive / increases local employment

### IMPACTO ECONÓMICO

Very positive

### COSTES DE IMPLEMENTACIÓN (EURO - €)

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### CONOCIMIENTOS ESPECÍFICOS NECESARIOS

Good network abilities needed

## MÁS DETALLES

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RETO ABORDADO	DOMINIO	TIPO DE SOLUCIÓN
4. Garantizar una mano de obra bien formada a través de un desarrollo de competencias y una educación atractivas	Gestión de la innovación, hubs digitales, clusters, explotación (transversal)	Redes, bancos de pruebas, plataformas de I+D
PALABRAS CLAVE	SOLUCIÓN DIGITAL	INNOVACIÓN
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PAÍS DE ORIGEN	ESCALA DE APLICACIÓN	AÑO DE INICIO Y FIN
Finlandia	Regional/sub-nacional	--

## DATOS DE CONTACTO

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## REFERENCES AND RESOURCES

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SITIO WEB PRINCIPAL	RECURSOS
<a href="http://www.hecso.fi/">http://www.hecso.fi/</a>	--
SITIO WEB DEL PROYECTO	
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REFERENCIA DEL PROYECTO	
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PROYECTO BAJO EL QUE SE HA CREADO ESTA FICHA

Rosewood

FECHA DE MENSAJE

17 Sep 2019

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