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

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

IMPACTO EN EL MEDIO AMBIENTE Y LA BIODIVERSIDAD

Positive/reduces the use of fossil fuels

EFECTO SOBRE LOS INGRESOS

Positive

POTENCIAL DE EXPLOTACIóN

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HUB

Eje Norte

IMPACTO ECONóMICO

Very positive

CONOCIMIENTOS ESPECíFICOS NECESARIOS

Good network abilities needed

POTENCIAL DE MOVILIZACIóN

Medium

POTENCIAL DE SOSTENIBILIDAD - VALOR

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FACILIDAD DE APLICACIóN

Medium

FACILIDAD DE IMPLEMENTACIóN - EVALUACIóN

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PREREQUISITOS CLAVE

Heat entrepreneurship promotes local business activity

TIPO DE EVENTO EN EL QUE SE HA PRESENTADO ESTA IFS

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EFECTO SOBRE EL EMPLEO

Positive / increases local employment

COSTES DE IMPLEMENTACIóN (EURO - €)

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MáS DETALLES

RETO ABORDADO

4. Garantizar una mano de obra bien formada a través de un desarrollo de competencias y una educación atractivos

DOMINIO

Gestión de la innovación, hubs digitales, clusters, explotación (transversal)

TIPO DE SOLUCIóN

Redes, bancos de pruebas, plataformas de I+D

PALABRAS CLAVE

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SOLUCIóN DIGITAL

No

INNOVACIóN

No

PAíS DE ORIGEN

Finlandia

ESCALA DE APLICACIóN

Regional/sub-nacional

AñO DE INICIO Y FIN

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DATOS DE CONTACTO

PROPIETARIO O AUTOR

Yrjö Ylkänen

yrjo.ylkanen@metsakeskus.fi

REPORTADOR

REFERENCES AND RESOURCES

SITIO WEB PRINCIPAL

http://www.hecso.fi/

SITIO WEB DEL PROYECTO

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REFERENCIA DEL PROYECTO

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RECURSOS

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PROYECTO BAJO EL QUE SE HA CREADO ESTA FICHA

Rosewood

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