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

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

IMPATTO SULL'AMBIENTE E LA BIODIVERSITà

Positive/reduces the use of fossil fuels

EFFETTO SUL REDDITO

Positive

POTENZIALE DI SFRUTTAMENTO

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HUB

Polo Nord

IMPATTO ECONOMICO

Very positive

CONOSCENZE SPECIFICHE NECESSARIE

Good network abilities needed

POTENZIALE DI MOBILITAZIONE

Medium

POTENZIALE SOSTENIBILITà - VALORE

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FACILITà DI IMPLEMENTAZIONE

Medium

FACILITà DI IMPLEMENTAZIONE - VALUTAZIONE

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PREREQUISITI CHIAVE

Heat entrepreneurship promotes local business activity

TIPO DI EVENTO IN CUI QUESTO BPI è STATO PRESENTATO

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EFFETTO SUL LAVORO

Positive / increases local employment

I COSTI DI ATTUAZIONE (EURO - €)

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Più DETTAGLI

SFIDA RISOLTA

4. garantire una forza lavoro ben addestrato attraverso lo sviluppo delle competenze e l'istruzione attraente

DOMINIO

gestione dell'innovazione, mozzi digitali, cluster, sfruttamento (trasversale)

TIPO DI SOLUZIONE

Reti, banchi di prova, le piattaforme di ricerca e sviluppo

PAROLE CHIAVE

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SOLUZIONE DIGITALE

No

INNOVAZIONE

No

PAESE D'ORIGINE

Finlandia

SCALA DI APPLICAZIONE

Regionale / sub-nazionale

INIZIO E FINE ANNO

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CONTATTI

PROPRIETARIO O AUTORE

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REFERENCES AND RESOURCES

SITO PRINCIPALE

http://www.hecso.fi/

SITO WEB DEL PROGETTO

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PROGETTO DI RIFERIMENTO

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RISORSE

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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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Link to Rosewood 4.0

A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

Centro de Servicios y Promoción Forestal y de su Industria de Castilla y León