



Northern Periphery and  
Arctic Programme  
2014-2020



EUROPEAN UNION  
Investing in your future  
European Regional Development Fund



## MICRO COMBINED HEAT AND POWER SYSTEM FOR HOUSEHOLDS

The purpose of the project is to promote the uptake of Combined Heating and Power systems (CHP) in sparsely populated northern regions using solid renewable biomass and gasification methods that will be appropriate for remote households.

The Northern Periphery Area has abundant natural fuel resources but is subject to a harsher climate than the rest of Europe and this results in the need for increased domestic energy. Attempts to exploit natural energy resources for households has been mixed, and as a result, there is significant fuel poverty in the region. A key component is the high cost of electricity.

We propose a new affordable solution that uses local renewable solid biofuel in a small-scale micro CHP system.

Total budget received from Interreg Northern Periphery and Arctic Programme: €1.99 million of ERDF

### Partnership:

University of Oulu  
Kerttu Saalasti Institute  
Finland

Tighean Innse Gall  
United Kingdom

Oulu University of  
Applied Sciences  
Finland

Energy Action  
Ireland

University of the  
Highlands and Islands  
Scotland

Luleå University of  
Technology  
Sweden

University of Iceland  
Iceland

### Duration:

01.08.2017 to 31.07.2020

