



## NEWSLETTER

Edition 2, Volume 2

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The purpose of the project is to promote the uptake of CHP ( Combined Heat and Power ) in the NPA region using solid renewable biomass and gasification methods that will be appropriate for remote households.

The available fuel is mainly solid which is unsuitable for existing gas CHP. A new affordable solution is proposed that uses local renewable solid biofuel in a small-scale micro CHP system. The project will pool the efforts of the transnational partners to develop a technological solution applicable to all with manufacturing, testing and piloting shared across the area.

UPCOMING EVENTS



Explorer Whittington of the Tighean Innse Gall Western Isles, Scotland, as part of the Northern Periphery and Arctic Interreg Project, H-CHP to attend the second project meeting has just landed in Lulea, Northern Sweden, dressed for the severe cold of -26 degrees.



Hands up by all H-CHP partners at the stunningly, beautiful Gammelstad Church Town which is a UNESCO World Heritage Site situated in Gammelstaden near the city of Luleå, Sweden, at the northern end of the Gulf of Bothnia. It is the best preserved example of a type of town that was once widespread throughout northern Scandinavia. The town is located about 10 kilometers upstream the [Lule River](#). At its centre is the 15th-century [Nederluleå Church](#) surrounded by 424 wood-built houses. The houses were only used on Sundays and during religious festivals to accommodate worshipers from the surrounding countryside who could not return home the same day because of the distance and difficult traveling conditions.



H-CHP Workshops in each partner country:

- Partners meeting in Reykjavik,
- Partners meeting in Dublin 13<sup>th</sup>-14<sup>th</sup> March 2019,
- 5th Partners meeting in Western Island Scotland 28<sup>th</sup> /29<sup>th</sup> of August,

## WORKSHOPS

- Oulu University 9<sup>th</sup> September,
- Sweden on the 11<sup>th</sup> September ,
- Donegal on the 17<sup>th</sup> September,
- University of Iceland, 19<sup>th</sup> September,
- Scotland event will be in Lewis on the 26<sup>th</sup> September.

Establishment for the gasification project Waste to Gas (W2G) is close to a finish. The first task has been the design, procurement, ordering of components and establishing a facility to house our research. The gasifier and other equipment will be moved from the temporary facility into the new establishment which is finished from construction in 24 of June.

The W2G (Waste to Gas) lab will get its own storage lab end of May.

- Gasifier unit for the gasing process of biomass.
- Heat element for heat sink of the gasifier, 25kW.
- Movable cart for transportations.
- Pelletizer equipment to process wood into pellets.
- Storage lab.
- Tools for maintenance.
- Wood shredder to obtain wood mass.



**Future information about upcoming events:**  
**H-CHP will take part of "The national Engineering Summit"**  
**Citywest Convention Centre, Dublin, on the 14th March, 2019**

SMART GREEN BUILDING EXPO AT  
 City West Exhibition Centre  
 14<sup>th</sup> March 2019



**Energy Action** will be displaying the **MICRO COMBINED HEAT AND POWER SYSTEM FOR HOUSEHOLDS (H-CHP)** -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.

Also Michael Hanratty, a consultant to Energy Action for our European ENERFUND project will be presenting at the Expo/ Assess deep renovation opportunities online with the ENERFUND score-using the ENERFUND tool.

  
 THE NATIONAL  
 Facility Management  
 & Maintenance Show

