

# NEWSLETTER

Edition 4, Volume 4



The H-CHP juggernaut rolls on, this time to the Outer Hebrides for its summer project meeting. The team lands on Barra, the world's only scheduled landing beach runway airport. They make their way up the island chains with a series of meetings along the way. The team travel across 8 islands, holding 7 project meetings and visiting the Outer Hebrides Local Energy Hub (which involves anaerobic digestion, biogas CHP and hydrogen production), Beinn Ghrideag Wind Farm, the largest community owned Wind Farm in Great Britain as well as Kisimul Castle, home of the Clan MacNeill.



Northern Periphery and Arctic Programme

2014-2020



EUROPEAN UNION

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## H-CHP WORKSHOPS FOR PROFESSIONALS

9 September 2019

The purpose of our workshops is to raise awareness of Household Combined Heat and Power (H-CHP) and to engage with stakeholders. Professional stakeholders will be able to gain an understanding of H-CHP, feed into the programme and support its development. We aim to engage those with an interest in CHP at a household and community level, considering energy production and reduction in the home, use of biofuels, synthetic gas and promote new and current supply chains.

### Workshop Schedule

09.00 - 09.15	Arrivals and registration
09.15 - 09.30	Introductions
09.30 - 10.00	Outline of H-CHP concept
10.00 - 10.30	Presentation of equipment
10.30 - 10.50	Q & A with engineers
10.50 - 11.10	Coffee break
11.10 - 11.30	Legislative framework and permissions
11.30 - 11.50	Network arrangements
11.50 - 12.10	Supply chains and potential for fuel
12.10 - 12.30	Roundtable discussion
12.30 - 13.30	Lunch and close

## UPCOMING EVENTS

H-CHP Workshops in each partner country:

- 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.

The H-CHP project aims to increase energy efficiency and accelerate the adoption of renewable and sustainable energy solutions in the region. There is a specific focus on individual rural households with low population density and low accessibility to affordable energy. Domestic dwelling in sparsely populated areas are subject to unpredictable power interruptions. The proposed solution will:

- guarantee electricity during peak heat demand periods,
- place less strain on grids,
- reduce demand spikes and
- smooth the generation profile from power stations.

The workshops will cover:

- Presentation of H-CHP concept
- Presentation of H-CHP equipment
- Meet the engineers and project team
- Results from testing of gasification
- Results from H-CHP units
- Use of H-CHP
- Feed into Toolkit development
- Feed into Community Guide development
- Open source access to H-CHP design

The workshops will be essential for:

- Energy companies
- Regulators
- Municipalities
- CHP companies / manufacturers
- Fuel suppliers of biomass
- Academics
- Architects
- Engineers
- Energy efficiency specialists

### Údarás na Gaeltachta Donegal Ireland Conference room



Údarás na Gaeltachta is the regional Authority responsible for the economic, social and cultural development of the Irish Gaeltacht. The authority's overall objective is to encourage the preservation of the Irish language as the principal language of the Gaeltacht community. It has kindly agreed to the hosting the H-CHP Workshop for Professionals in their Donegal Conference centre on 17th September 2019. The H-CHP project was responsible for identifying the Irish partner Údarás na Gaeltacht, for the NPA funded project SW-GROW. Innovations for Seaweed Producers in the Northern Periphery Area

