



# Advisory Board Meeting 5<sup>th</sup> October 2021

## SIRACH and Knowledge Exchange

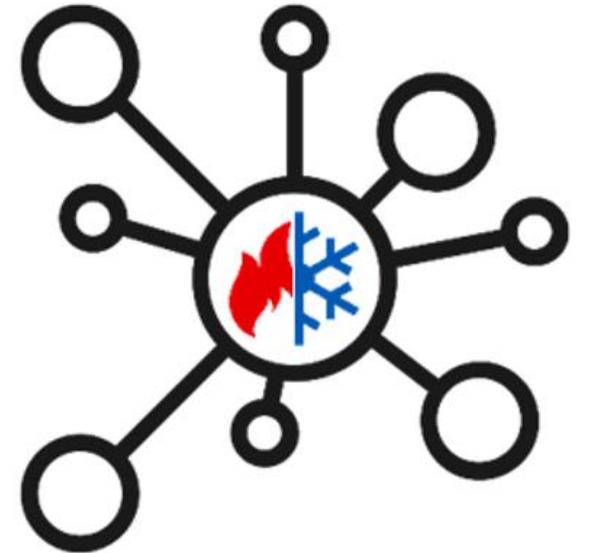
LSBU Team – Henrique, Matt, Akos & Graeme  
Apols - Gareth

**Low Temperature Heat Recovery and Distribution  
Network Technologies**

# Dissemination Aims

- To be recognised internationally by the district energy community
- To influence Government and funders
- Share key outputs with sister projects
  - To publicise and to run events in low-temperature heat/cold networks
  - To engage young/early career researchers

LoT-NET 



# NEW LoT-NET WEBSITE



- New design
- New headings
- New content

## ABOUT US VISION

To demonstrate and prove low cost, low carbon, thermal energy networks integrating with electricity and other utilities networks to form flexible and highly efficient smart grids. Transform energy supply and distribution by combining intermittent renewable and waste energy resources with multi-scale thermal and electrical storage, together to provide affordable, secure and sustainable energy to consumers

Make sure to check it out and feel free to share your feedback!



Edit profile

## LoT-NET

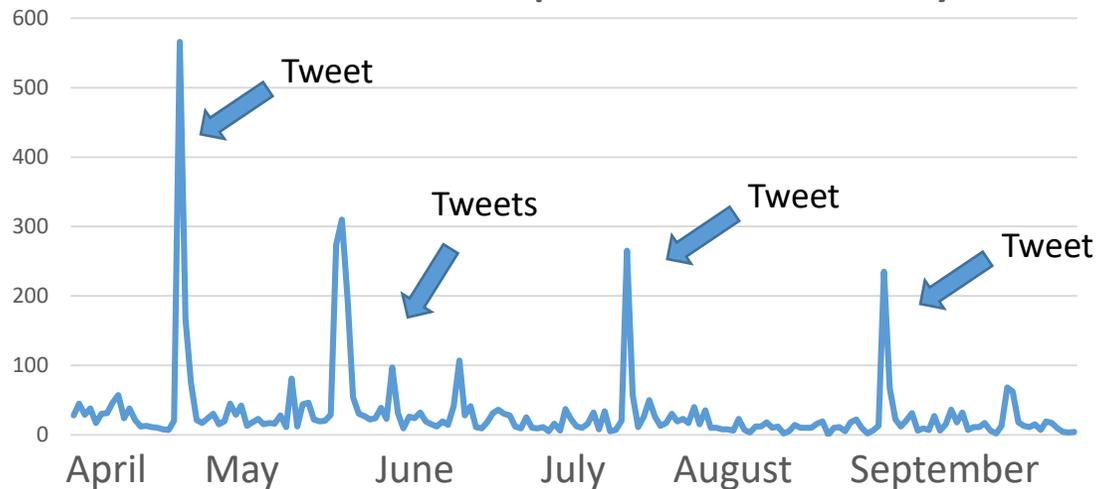
@net\_lot

Low Temperature Heat Recovery and Distribution Network Technologies.  
Funded by a Programme Grant from @EPSRC in 2019. 🔥♻️▶️👤

📍 United Kingdom 🔗 [lot-net.org](http://lot-net.org) 📅 Joined May 2019

216 Following 123 Followers

Tweets earned **17K impressions** over the last year



# LoT-NET

Average of **47** impressions per day.

Total of **560** engagements.

Record of **1,538** impressions for a single tweet.

Gained **36** new followers.

## Glossary

**Impression:** number of times users saw the tweet on Twitter.

**Engagement:** number of times users interacted with a tweet, including clicks anywhere on a tweet (username, links, avatar, hashtags), retweets, replies, follows and likes.

**Engagement rate:** percentage of times an impression led to an engagement.

# Meetings

- Student event 9 June
- 3 minute thesis – 31 July
- 7<sup>th</sup> July Lessons learned from integration of heat pumps
- 21<sup>st</sup> September 2021
- 2<sup>nd</sup> November 2021 – Data centre heat recovery
- 1<sup>st</sup> December 2021 COP and heating and cooling Feb 2022 - Helping Local authorities on low carbon strategy
- ASHRAE Winter Meeting - submitted for a workshop “Integrated heating and cooling systems”
- Face to face 2022
- What else?

## Heat pumps and heat recovery

Tuesday 9th June 2020 10:15 to 11:30

[Heat pumps and heat recovery - revolutionising the future of heating and cooling](#)

[Listen to the webinar recording](#)

[Register for the webinar here](#)

### Overview

On the 9th June join this SIRACH Webinar to hear from researchers as they present their leading-edge work.

Our first presentation will present work currently being undertaken at The University of Warwick that explores the problem facing domestic heating and how ammonia sorption cycles, used in gas-fired heat pumps, can offer a partial solution in the decarbonisation of domestic heating.

The second and third presentations are from London South Bank University and discuss heat recovery and district heating. The second presentation focuses on the Bunhill Heat Network, a pioneering system that recovers waste heat from ventilation air from the London Underground and uses it to supply a heat network for heating buildings in the London Borough of Islington. The final presentation will report on a study examining heat recovery from underground electrical cable tunnels and data centres and the impact this will have in delivering heat to local heat networks.



# MEDIA

PSE e-on

How are you contributing to the UK's carbon reduction targets?



Positive Thinking

How do we end fuel poverty?

## A sharing society: Islington's GreenSCIES ambient loop

A pioneering energy network in London aims to use waste heat and integrated grid power to reduce carbon emissions and tackle fuel poverty in a series of connected buildings, as Andy Pearson finds out

Posted in September 2021



CIBSE JOURNAL

NEWS CIBSE NEWS TECHNICAL CPD JOBS CASE S

CPD WEBINAR AVAILABLE ON DEMAND  
Building up to a digital evolution

## Above and beyond: Heat network pipework design

Implementing innovative approaches to pipework routing, such as above-ground distribution planters, will be critical in future urban energy networks, says GreenSCIES' Dr Akos Revesz, in a paper presented at the 2021 Technical Symposium

Posted in July 2021

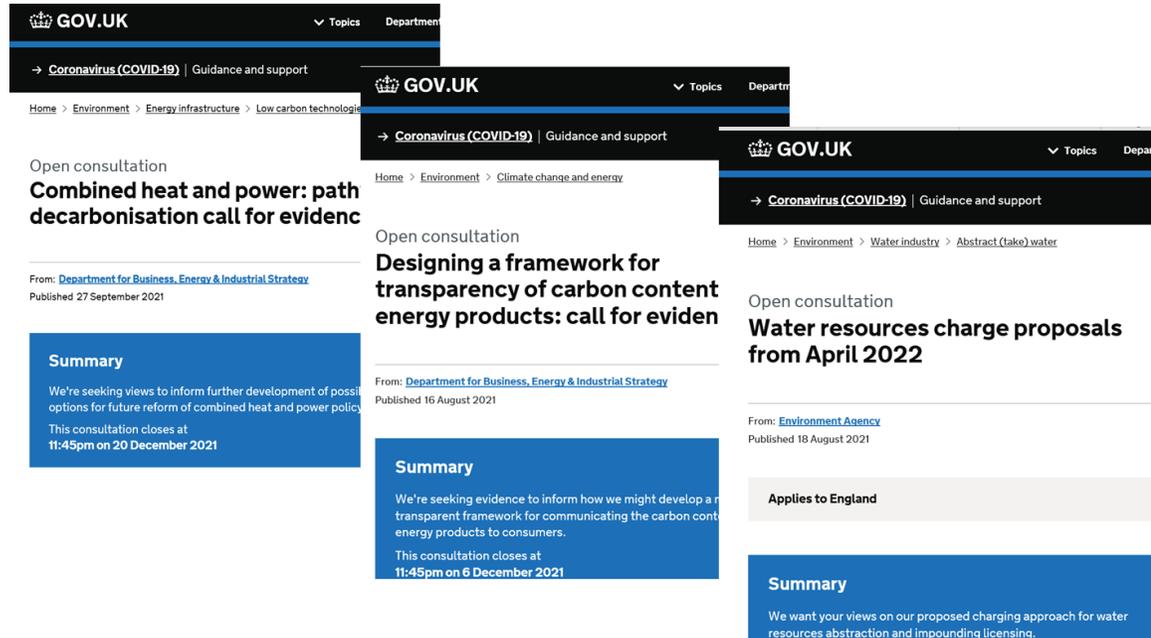


BBC Inside Science

Gene editing gets real

# Influencing the low carbon agenda

- Responding Gov. consultations
- Keynote addresses
- Engaging with Institutions
- Working with others incl. EnergyREV, ESC, etc.
- Informal influencing
- International agenda



zoning  
consultation on  
heat networks

Questions?