Heat Network Scotland

A Home & A Voice for the Heat Network Sector in Scotland

Antoine Reguis (MBA, PhD)
Founding Director

CIBSE Conference, May 2026, Glasgow

Heat Network Scotland
Edinburgh Futures Institute
Office 2.73, 1 Lauriston Place,
Edinburgh, EH3 9EF

What is Heat Network Scotland?

Membership Registration

Heat Network Scotland (HNS)

A membership-based organisation bringing together industry, academia, communities, local and central government to support the development of heat networks and help create a **clean**, **affordable**, and **resilient** Scottish energy system.

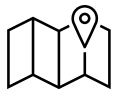
Heat Network Scotland: 4 pillars

Membership Registration



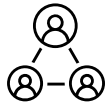
100% focus on Heat Network sector

The Heat Network sector is broad enough to have its own home



Scottish context

Specific legislative, housing, and energy landscape



Trusted, independent, and strong voice

Robust legal structure, broad membership base, hosted in trusted institution



Sustainable funding model

Based mainly on membership fees

Heat Network Scotland

Meet the Team

Membership Registration

Directors



Prof Jan Webb
Uni of Edinburgh
Chair of Board



Dr Antoine Reguis

Founding Director



Helen Melone
Melone Consulting
Founding Director
Policy



Ken Brady
Independent expert
Founding Director
Funding & Finance

Steering group



Ben Carter
Vattenfall



Dave Pearson
Star Renewable Energy



Dr Natalie Bain-Reguis
Uni of Edinburgh



Dr Roddy Yarr
Uni of Glasgow



Simon Kerr
SAV Systems



Tom Warren
Innovate UK Business Connect

Heat Network Scotland

Meet the Team

Advisory group

Membership Registration



Prof Daniel Friedrich
University of Edinburgh
Chair of Energy systems



Rachel Fuller
Energy Skills Partnership



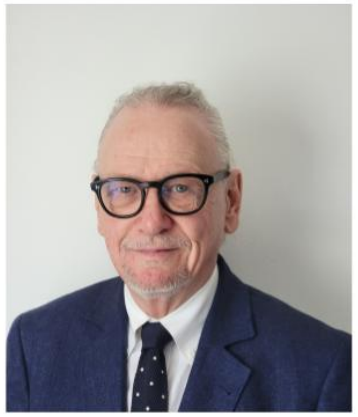
Dr Paul J Gilbert
South of Scotland Enterprise



Prof John Innes
CEO Dorsai SEP Ltd
Former Chair Space Scotland



Dr Fadi Kahwash
Edinburgh Napier University



Michael King
Former Dir. Aberdeen Heat & Power



Sarah Peterson
CIBSE Scotland



Jan Reid
Former Scottish Enterprise



Paul Steen
Steen Engine



Martin Whiteford
Anderson Strathern

Heat Network Scotland

Founding Members

Membership Registration

Funding

Asper

Skills

ESP

Powering Futures

Heat network

(Design – Build – Operate)

Aberdeen Heat & Power

Delivering affordable warmth to Aberdeen through district heat networks

Colloide

Energy Assets

kensa

Shetland Heat Energy & Power

Vattenfall

Supply chain

isoplus®

REHAU Water Technologies

EnergiRaven

SAV

STAR Renewable Energy

LOGSTOR

guru systems

Alfa Laval

ZERO FRICTION

Public sector

Dumfries & Galloway Council

Fife Council

The Highland Council Comhairle na Gàidhealtachd

citizens advice scotland

advice.scot

Heat supply and demand

OCS

APATURA

Expert & Consultant

Anderson Strathern

FAIRHEAT

Ground Source Heat Pump Association

MELONE CONSULTING

CHANGEWORKS.

CIBSE

Evinox Smarter Heat Networks

Sustainable Estate Solutions (SES) Ltd.

DREES & SOMMER

Therma Mech

EREBUS

Wilson Energy Ltd

scarf

Reheat

Sustainable ENERGY

Turner & Townsend

CMS law·tax·future

Ener-Vate

Academic

CeNZ-HighDB

Edinburgh Napier University

University of Aberdeen

University of Strathclyde Glasgow

The University of Edinburgh

Heriot Watt University

University of Stirling

HEAT AND THE CITY

Associate members

Scottish Government Riaghaltas na h-Alba gov.scot

Consumer Scotland Luchd-Cleachdaidh Alba

South of Scotland Enterprise

A **Home** & A **Voice** for the Heat Network Sector in Scotland

Where are we?

Membership Registration

Edinburgh Futures Institute



Founding Members coming from all over Scotland



What we do

Heat Network Scotland

Communication
Just transition
Urban Planning
Interseasonal storage
Opex
Energy prices
Private investment
Price of heat
Pension funds
National Wealth Fund
Pollution
Design, Construction, and Operation of HN
Esco
Procurement chain
Policies
Open water
Profitability
Building performance
Infrastructure
Not for profit
Vision
Low Temperature Radiators
Bypass
ESG criteria
Fabric First
Zoning
Building Performance
Technical standards
Industry Strategy
Skill development
System's resilience
Heat sources
Heat uptake
Sustainability of heat source
Shallow Geothermal
Building standards
Industrial waste heat
Workforce
Urban Planning
Sector Coupling
Low return
Occupant's behaviour
Low Temperature Heat
Resilience
Private wire
Sea water
Knowledge
Supply Temperature
Funding
Wastewater
Public Buildings
Key topics?
Industry Strategy
ROE
Carbon accounting
Grid Capacity
Fuel Poverty
Environmental footprint
Scottish National Investment Bank
Heat as a service
Geothermal
Fuel Poverty
Education
Capex
Cost of heat
Motivational tariff
Fabric First
Mine Water
LHEES
Esco
Industry Strategy
Interseasonal storage
Cooperative
Infrastructure
Cost of electricity
Heat pumps
Heat network readiness
Funding and Governance
Digitalisation of data
ESG criteria
Just transition
Incineration
Industrial waste heat
Community Engagement
Data Centre
Coefficient of Performance
Business Model
Monopoly
Policies, Regulations, Procurement
Co-benefits
Energy Efficiency
Customer protection
Raise visibility of sector
Communication
Energy system
Heat storage
Delta T
Depletion of gas resources
Private Sector
Digitalization
Deep Geothermal
Industry Strategy
Incineration
Underfloor Heating
Heat as a service
Energy prices
Deep retrofit
Security of data
Street disruption

What we do

Heat Network Scotland

Just transition

Urban Planning

Interseasonal storage

Opex

Energy prices

Private investment

Price of heat

Pension funds

Design, Construction, and Operation of HN

National Wealth Fund

Pollution

Bypass

Esco

Open water

curement chain

Policies

Building performance

Infrastructure

Profitability

Not for profit

Vision

Fabric First

Zoning

Building Performance

ESG criteria

Low Temperature Radiators

Technical standards

Industry Strategy

Skill development

System's resilience

Heat sources

Heat uptake

Sustainability of heat source

Shallow Geothermal

Industrial waste heat

Building standards

Urban Planning

Workforce

Resilience

Sector Coupling

Low return

Occupant's behaviour

Low Temperature Heat

Private wire

Sea water

Supply Temperature

Wastewater

Public Buildings

Knowledge

Funding

Fuel Poverty

Derisk investment

Industry Strategy

ROE

Carbon accounting

Grid Capacity

Environmental footprint

Geothermal

Scottish National Investment Bank

Heat as a service

Fuel Poverty

Education

Fabric First

Capex

Mine Water

Infrastructure

Motivational tariff

Esco

Industry Strategy

LHEES

Interseasonal storage

Cooperative

Cost of electricity

Heat storage

Heat pumps

Heat network readiness

Funding and Governance

Cost of heat

Digitalisation of data

ESG criteria

Just transition

Incineration

Industrial waste heat

Community Engagement

Data Centre

Customer protection

Coefficient of Performance

Business Model

Policies, Regulations, Procurement

Monopoly

Co-benefits

Security of data

Communication

Energy system

Energy Efficiency

Incineration

Delta T

Private Sector

Depletion of gas resources

Digitalization

Heat as a service

Industry Strategy

Underfloor Heating

Deep Geothermal

Deep retrofit

Energy prices

Street disruption

Working Groups

Urban Planning

- LHEES
- Street disruption
- Urban Planning
- Zoning
- Public Buildings

Digitalisation of data

- Digitalization
- System's optimisation
- Security of data

Industry Strategy

- Depletion of gas resources
- Procurement chain
- Resilience energy system
- Vision

Heat sources

- Coefficient of Performance (COP)
- Data Centre
- Geothermal (Deep / Shallow)
- Heat pumps
- Heat storage
- Incineration
- Industrial waste heat
- Mine Water
- Open water
- Sea water
- Wastewater

Policies, Regulations, Procurement

- Monopoly
- Policies
- Price of heat
- Private wire

Building Performance

- Building standards
- Bypass
- Deep retrofit
- Delta T
- Energy Efficiency
- Fabric First
- Heat network readiness
- Low Temperature Heat
- Motivational tariff
- Occupant's behaviour
- Underfloor Heating

Funding and Governance

- Derisk investment
- Esco
- National Wealth Fund
- Not for profit
- Pension funds
- Private investment
- Private Sector

Energy system

- Cost of electricity
- Energy prices
- Grid Capacity
- Infrastructure
- Sector Coupling
- System's resilience

Just transition

- Co-benefits
- Community Engagement
- Cooperative
- Cost of heat
- Customer protection
- Fuel Poverty
- Heat as a service
- Justice by Design

Knowledge Hub

- Share best practice
- Pooling resources

Environmental footprint

- Carbon accounting
- ESG criteria
- Pollution
- Sustainability of heat source

Design, Construction, and Operation of HN

- Business Model
- Capex
- Heat uptake
- Opex
- Profitability
- ROE
- Technical standards

Communication

- Raise visibility of sector
- Knowledge exchange

Skill development

- Education
- Knowledge
- Workforce

Heat Network Scotland

Working Groups



16 working groups identified as key for heat network development

Engineering
Design - Construction - Operation of HN
Energy System
Heat Sources
Urban Planning
Building Performance
Environmental Footprint
Digitalisation of Data

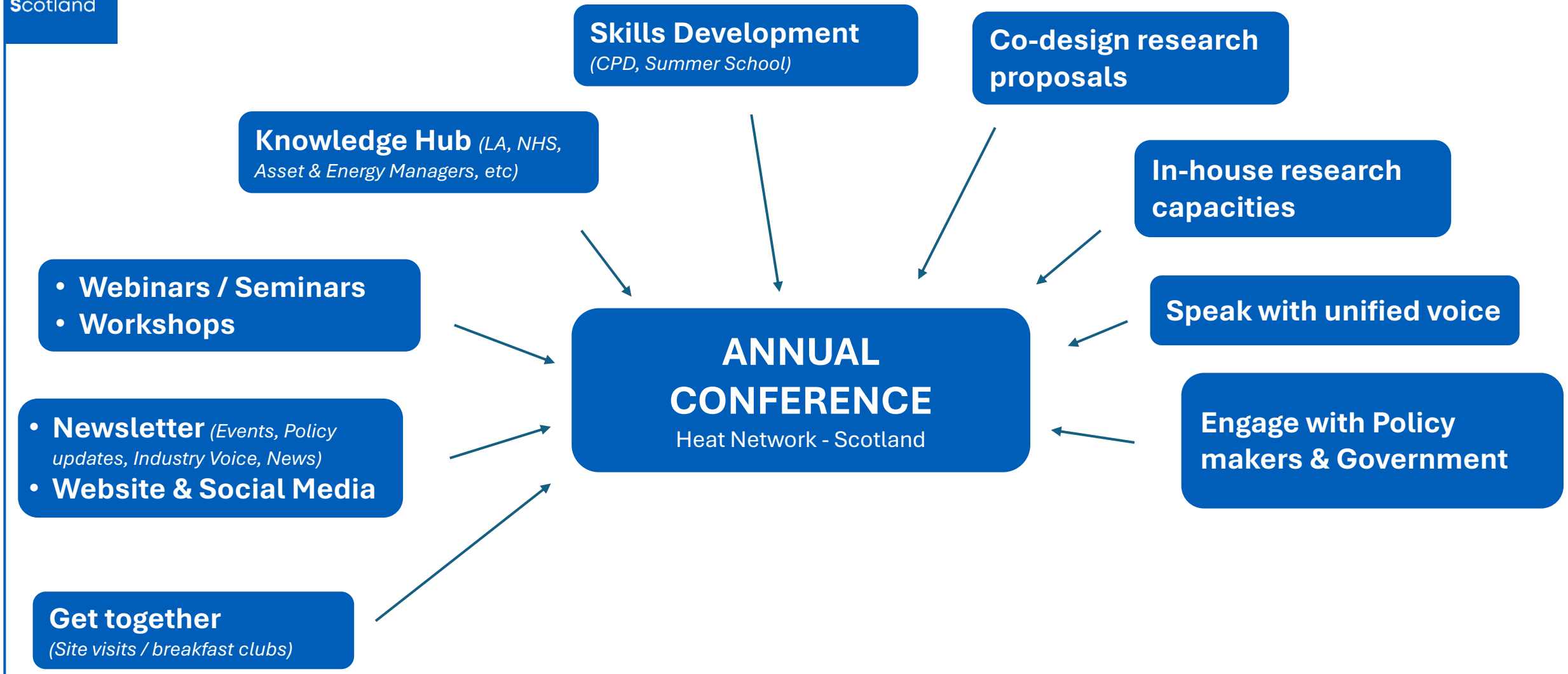
Business, Social and political
Just Transition
Funding and Governance
Industry Strategy
Voice of consumers

Cross-cutting themes
Skill Development
Communication
Policies, Regulations, Procurement

Knowledge Hub:
- Local Authorities
- Heat network owner & managers

Proposed first working groups…to be validated with founding members

Actions


Skills Development
(CPD, Summer School)
Co-design research proposals
Knowledge Hub (LA, NHS, Asset & Energy Managers, etc)
In-house research capacities
• Webinars / Seminars
• Workshops
Speak with unified voice
ANNUAL CONFERENCE
Heat Network - Scotland
• Newsletter (Events, Policy updates, Industry Voice, News)
• Website & Social Media
Engage with Policy makers & Government
Get together
(Site visits / breakfast clubs)

Recent events and engagements

Raising awareness with elected members









Recent events and engagements

Feedback on Draft Climate Change Plan (CCP)





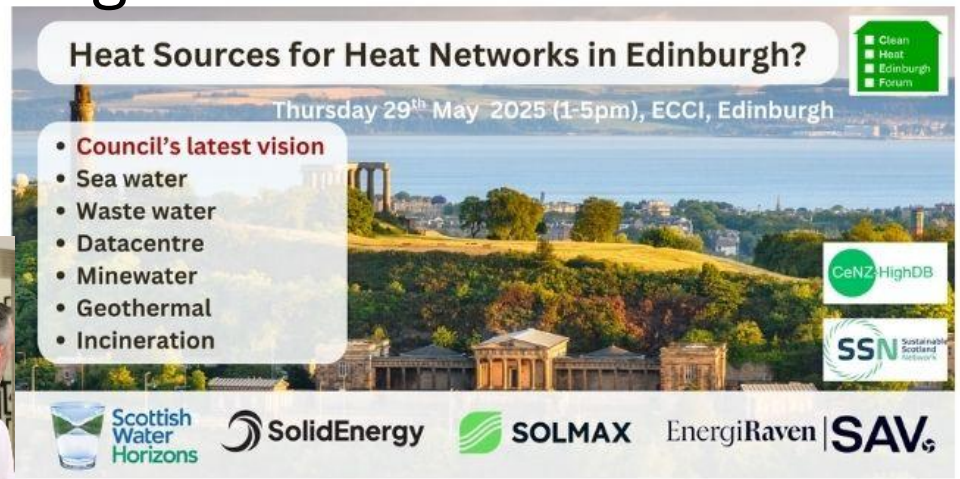
Scottish Parliament Information Centre (SPICe)

Recent events and engagements

Heat Sources for Heat Networks in Edinburgh















A **Home** & A **Voice** for the Heat Network Sector in Scotland

Policy (since March)

1. Letter (with Heat Trust) to the Scottish Government:
   Request for a *Scottish Heat Network Efficiency Scheme (HNES)*

2. Heat networks technical standards
   Consultation: Introducing a Heat Network Technical Assurance Scheme (HNTAS)

3. Consultation on the Infrastructure Strategy 2027-2037
   Scottish Government / Riaghaltas na h-Alba



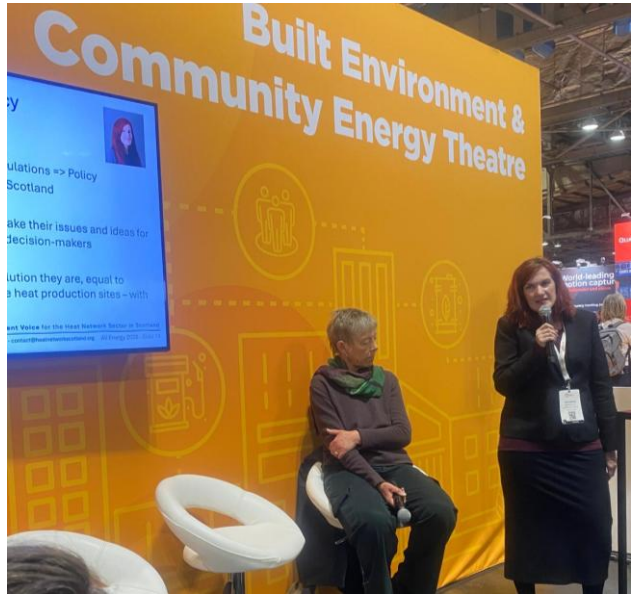
Helen Melone
Head of Policy

Heat Network Scotland

All Energy 2026

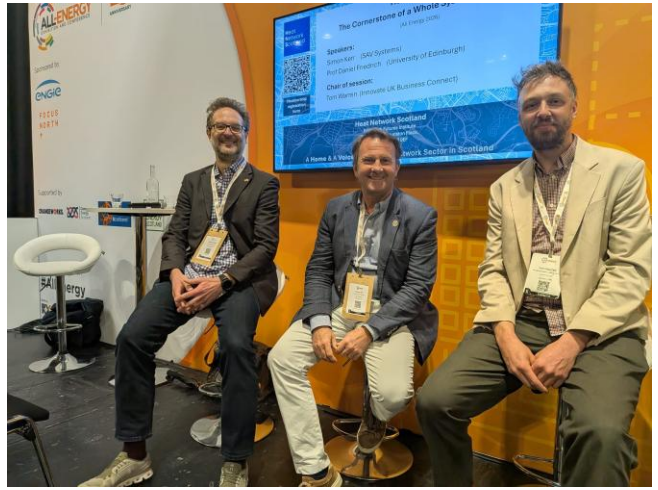
3 Standing-room-only sessions





→ Heat Network Zone for 2027





What next

Membership Registration

Pre-launch	January	*(21st) Heat Networks in Scotland (with Danish Embassy)* *(28th) Heat Network Scotland - First public (online) presentation*	
	February		
	March	*(31th) End of the window of opportunity to join as founding member*	
Launch	April	*First in-person workshop with founding members*	• Validation of mission, aims, values, and new visual identity with founding members. • Validation of ToR for WGs • Re-organisation of steering & advisory boards
	May	All-Energy (3 sessions) CIBSE Scotland conference	
	17th of June	Launch event (in-person, Edinburgh)	
	July-August		
Operational & Growth	September	Start of HNS's activities (Working groups, Knowledge hub, Webinars, Newsletter, sites visits, New visual identity, etc)	

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