UP-RES Training Courses for Planners

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Local Authority Vanguards
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Part of the BRE Trust

Supported by European Commission Intelligent Energy Europe programme

(Also relies on securing sponsors!)

Focuses on implementation of renewable heat through district heating networks

Target audience primarily planners but also all those who liaise with planners for renewable energy/district heating system development.

Urban Planners – Renewable Energy Skills (UP-RES)

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Why urban planning benefits from district heating and renewables

– CHP (combined heat and power) is the most efficient way to use any renewable fuel to generate heat, power and cooling
– Centralised heating and cooling load is vital to CHP and RES: there is no CHP without heat load
– The heating and cooling load depends on urban structure: heat density and load level
– DHC (district heating and cooling) enables a variety of different fuels and waste energies to be used for the urban energy supply in a sustainable way.

UP-RES Project Partners

– Finland: (1) Aalto University with various departments and its AALTO PRO Life-long Learning Institute (as leader)
– Germany: (2) District Heating Association - AGFW, Frankfurt, (3) University of Augsburg - UA and (4) Munich University of Technology, Munich - TUM
– UK: (5) Building Research Establishment Ltd. - BRE, Watford
– Spain: (6) Association of Architecture and Sustainability in Catalonia, Barcelona - SaAS
– Hungary: (7) University of Debrecen

Principal BRE role

– Development and delivery of short courses
– Primary target audience is planners
– Developed as a 3-day course, but following feedback now a 2-day course
– Further adaptation has led to inclusion of DECC’s new heat map.

Who should attend an UP-RES course?

– Primary audience is planners
– District heating schemes involve many disciplines who liaise with planners: all are invited…
– including Energy and Environmental staff at LAs and RSLs; Architects; Engineers; Developers; all those interested in taking forward district heating with integrated renewables
– CPD accreditation is available for this course
– For future courses see BRE website.
UP-RES Course Programme Day 1

- Energy efficiency: global perspective
- Environmental impact of buildings
- Why do we need energy in buildings, reducing demand
- EU and UK energy policy drivers
- Decarbonising energy supply for heating and cooling buildings
- Q&A / Discussion
- Introduction to District Heating (DH)
- Your experience of DH
- Why to do DH: What has been done?
- DECC Heat Mapping Tool Training Session
- Using the Heat Mapping Tool in your area
- Planning for DH for new build developments
- Planning for DH across a Local Authority

UP-RES Course Programme Day 2

- Recap on heating cooling demands
- Why is your LA interested in developing policy?
- What is your LA already doing?
- Sustainable Urban Energy Planning (SUFP) – an introduction
- Integrating SUFP into planning policy
- Case studies and examples of SUFP policies
- Creating an evidence base for SUFP
- External speaker: Characterising areas, case studies
- Developing energy planning policies
- Assessing the energy aspect of planning applications
- WORKSHOP – Assessing character area, understanding heat loads and anchor loads in existing and new build developments.

How to register your interest

- Future events across the UK
- Details and registration at www.bre.co.uk/upres
- Leave your business card with me
- Email me at wiltshire@bre.co.uk