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**Objectives of the course:** Provide Local Authority Planners with skill and knowledge to:

- Develop / integrate sustainable energy policies into the UK planning process – Sustainable Urban Energy Planning
- Translate these policies into day-to-day work evidence bases and feasibility studies
- Focus on Renewable Energy integration
- Focus upon new build but also on existing stock holistic approach
- Highlight relationships and synergies that exist

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#### Course Content

- Current EU and UK policy drivers
- Reducing energy demand of buildings & decarbonising energy supply for heating
- Introduction to DH application, benefits, barriers and identifying sites
- Sustainable Urban Energy Planning
- Creation of evidence bases / feasibility studies for DH
- Policy writing and assessing planning applications
- Integration of renewables into DH

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#### What is UP-RES?

- $-\,$  7 Partners across 5 Countries:  $\mbox{UK},$  Finland, Germany, Spain and Hungary
- Deliver pilot training to urban & regional planners on District Heating and Cooling

### UK Context

- 2 day short course on District Heating and associated Renewable and Low Carbon Technologies
- Aimed at Local Authority Planning Officers and their supporting network (Architects, consultants)

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#### Locations

- 20 events completed
- Locations include: Bristol, Newcastle, Brighton London, Stoke-on-Trent, Bournemouth, Oxford, Leeds, Swansea, Bridgend
- Strategic locations across England and Wales
- Areas that have potential due to large cities and towns and growth areas
- Bespoke course in Glasgow



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### Barriers identified

- Political support?
- Complex knowledge -reliance upon individuals
- Energy not considered as a major planning issue
- Early engagement and multiple stakeholders -resources for preapplication discussions with developers



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### What have we found? - UK Context

- Majority at the start of the process.....
- Difficulties in getting everyone around the same table and missed opportunities
- Complexities of UK planning System
- Complexities of Local Authorities
- Pre-Feasibility the way forward?







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#### Barriers Identified cont...

- Money and Business Models understanding viability and ESCO's
- Short term targets and visions vs. long-term approach
- Bad examples from the past still thought about





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#### Future possibilities? - Swansea, UK

 Long term visions that incorporate spatial planning and energy at an early stage.....but start small!!





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### What have we found? - UK Context

- Significant interest in the UK!
- Real case studies it is happening!
- Increasing knowledge of District Heating (and Cooling)
- National DECC Heat Map provides easy, logical information
- Affordability and fuel poverty big driver
- Using DH as a way of reducing revenue costs (taxes)
- Integration with BREEAM





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# $\textbf{Future possibilities?} \text{-} \ \mathsf{Swansea}, \mathsf{UK}$





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#### How can Ecoheat4cities label help?

- How can the label help the problems or barriers identified during UP-RES courses?
- Could the label be used as a potential solution or tool for integrating DH?
- Label identifies the renewable share, CO2 efficiency and energy factor of the potential or existing District Heating system
- 3 key objectives
- Setting targetsCommunicatingComparison



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#### How can Ecoheat4cities label help?

- Use labelling system to convince decision makers / sceptics
- Environmental benefits compared to other BAU options
  Use comparable cities that have used the label to push DH by highlighting benefits
- Help achieve carbon targets for new developments
- Set targets based upon Renewables or Co2 factors
- Compare different solutions for DH renewable vs. gas?
- Use label as a condition for developers to meet sign of quality
- Label can be used to quantify existing schemes retrospective labelling
- Help promote wider sustainability to residents and attract private investors

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### Thank you for listening



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