



Bristol-Hannover Green Energy Summit – Friday 10th June

FINAL PLENARY SESSION: DISCUSSION AND CONCLUSIONS

In the final plenary session of the day, each workshop facilitator gave a brief summary of their workshop discussions, reporting their main conclusions. The following discussion and action points brought the Summit to a close:

- The opportunities and practicalities of targeting and clustering diverse businesses and organizations in specific industrial or commercial areas of Bristol firstly to share energy usage data and monitoring and then to establish district heating or cooling schemes were discussed. Building on existing area networks and projects such as the Bristol Port Estate and Vicinity Initiative for Sustainable Resource Management (energy, waste and resource efficiency collaboration), which now has 40-50 companies involved, will be essential. Other collaborative projects in Bristol currently being supported or initiated by LCSW are:
 - Thermal Energy Grid for Avonmouth Severnside, for which a technical and commercial feasibility study has just commenced
 - Low Carbon Queen Square (city centre)
 - Low Carbon Manufacturing Park (Severnside)
 - Avonmouth Severnside Green Industries Forum
- In Hannover, the 'Climate Protection Alliance' has led to some successful business clusters such as Energy Efficiency Clubs. In Germany more widely, the Ruhr, eg. Bochum, exemplifies successful development of district heating for businesses, but necessary to identify the large-scale users of heat and build a network around these. Another pilot scheme in Lower Saxony is a *portable* thermal energy storage system.
- George Ferguson (Ferguson Mann Architects) suggested that, for its next phase, the Bristol-Hannover collaboration needed a new, physical project focus - something practical and manageable. The new Enterprise Zone based on the Temple Quarter (around Temple Meads rail station), provides an ideal opportunity – an example project might be installing a biomass or other waste-fuelled CHP to provide heat and electricity to residential and commercial buildings in one part of the new zone. Going further, a sustainable energy strategy should be put in place across the entire zone integrating different renewable energy sources and efficiency measures and standards. In Hannover, it was proposed that the Stadtwerke Hannover AG (enercity, Municipal Energy Company) should be approached to identify and assess the most suitable zone.

- There was general agreement that the twinning of two such urban sustainable energy zones was a very interesting idea and should be investigated further in coming weeks by Bristol City Council and partners and hannoverimpuls and enercity.
- Paul Harper (University of Bristol Faculty of Engineering) reminded the Summit of the opportunities for more academic collaboration and student exchanges. Following the success of the recent LCSW Student Research Competition, the next competition could invite applications from universities in the Hannover region. It was suggested that LEONARDO funding could be applicable in this area.
- Robin McDowell (Bristol City Council Economic Development) proposed setting up video or tele-conferences between groups of people from each workshop who were willing to further develop the various other smaller-scale Bristol-Hannover collaboration ideas and hold these in July before the summer holiday season; and also that a calendar of events / opportunities for further group or 1 to 1 meetings over 2011-12 should be drawn up, including:
 - ETSUK Environmental Trade Show & Conference, UWE, Bristol, 13 October 2011
<http://environmentaltradeshow.co.uk>
 - Hannover Messe (Industrial Fair) 23-27 April 2012
<http://www.hannovermesse.de/en/about-the-trade-show/facts-figures/next-show-dates>
 - Passiv Haus Conference, Hannover, 4-5 May 2012
<http://www.passivhaustagung.de>
- Additional project ideas:
 - a 'Solar Technologies Exchange' between the Bristol Energy Co-ops and the solar pv manufacturers and installers in both cities – to be convened in Bristol initially
 - Passiv Haus conference in 2012 – Bristol architects / developers to present 5 projects at the conference (contact: Torsten Schwarz)

Contacts / Process for further development of collaboration ideas:

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Tele-conferences to involve interested parties from each of the 4 workshops are being scheduled for Fri 1 July and Mon 4 July 2011 - further details to be posted.