

## **Urban Planning and Decentralised Energy - London as a case**

**Andy Deacon, Greater London Authority, United Kingdom**

Ensuring that new buildings are designed and constructed to high standards of energy efficiency and renewable energy use is essential if London is to stabilise its carbon emissions at the necessary levels over the medium to long-term. As a significant amount of new construction is expected to take place in London over the next two decades, we have a perfect opportunity to set a new standard in zero and low carbon development, green building design and sustainable land use planning. London's spatial development strategy is being revised to put climate change at the centre of planning considerations and new build is required to deliver carbon reductions through the on-site provision of renewable energy. We are also piloting a zero carbon development in East London, and have a target for there to be one zero carbon development in each London Borough by 2010. On transport, we have trialled hydrogen fuelled buses as part of London's fleet, and will move to the procurement of diesel-electric hybrids delivering additional carbon savings. This work has most recently been brought together in the Mayor's Climate Change Action Plan for London, a comprehensive cross cutting programme that shows how CO<sub>2</sub> levels can be reduced by 30% by 2025 through action in London, with this figure reaching 60 % through a combination of regional and central government action.

(See <http://www.london.gov.uk/mayor/environment/climate-change/ccap/index.jsp>)