



22 - 23 February 2006
Earls Court 2, London, UK

efficient water for flushing the toilet by taking account of the household's water
ularly, or flush itself out if there is a power cut, to prevent stale water build-up.

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new model for carbon emission reduction on show at ecobuild

(OISD) PRESS RELEASE

New model for Carbon Emission Reduction on show at Ecobuild

A new method of counting, costing and reducing CO2 emissions from cities across the UK has been developed by a researcher at Oxford Brookes University.

The Oxford Institute for Sustainable Development (OISD) at Oxford Brookes University will be demonstrating DECoRuM, a GIS-based model developed by Dr Rajat Gupta at this year's Ecobuild exhibition.

With the threat of global climate change ever-increasing, sustainability is a hot topic. OISD provides a professional research and consultancy service to help local authorities, energy advisers and the property industry to report, monitor and improve the energy efficiency of both public and private housing, as required by the Home Energy Conservation Act.

Dr Rajat Gupta, Research Fellow at OISD has developed DECoRuM, which estimates current energy-related CO2 emissions from existing UK dwellings, aggregating them to a street, district and city level. DECoRuM evaluates the costs for domestic CO2 emission reductions by deploying a range of best practice energy efficiency measures, low carbon systems and renewable energy technologies on an urban scale. The model was successfully tried and tested in a case study in Oxford.

Dr Gupta said: "The DECoRuM model uses a locally-relevant approach and well-established methodologies to ensure credibility for carbon emission reduction planning in cities. I hope it can help us avoid the worst impacts of climate change and help with the survival of mankind itself."

Demonstrations will take place on 23 February at the exhibition. Please visit stand E21 or contact Dr Rajat Gupta on 01865 484049 or email: rgupta@brookes.ac.uk for further details.

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anners, energy advisers and property developers to make better decisions about

rstem (GIS) data about properties (such as the location and age of the buildings)
d, annotated map of the subject area showing typical CO2 emissions, that clearly
n 'hotspots' can be identified using the GIS data.

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low carbon systems and renewable energy technologies - including cost-benefit

ie Oxford area.

Organised by



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, which was reported in Get Sust, November 2005, can now be download from the