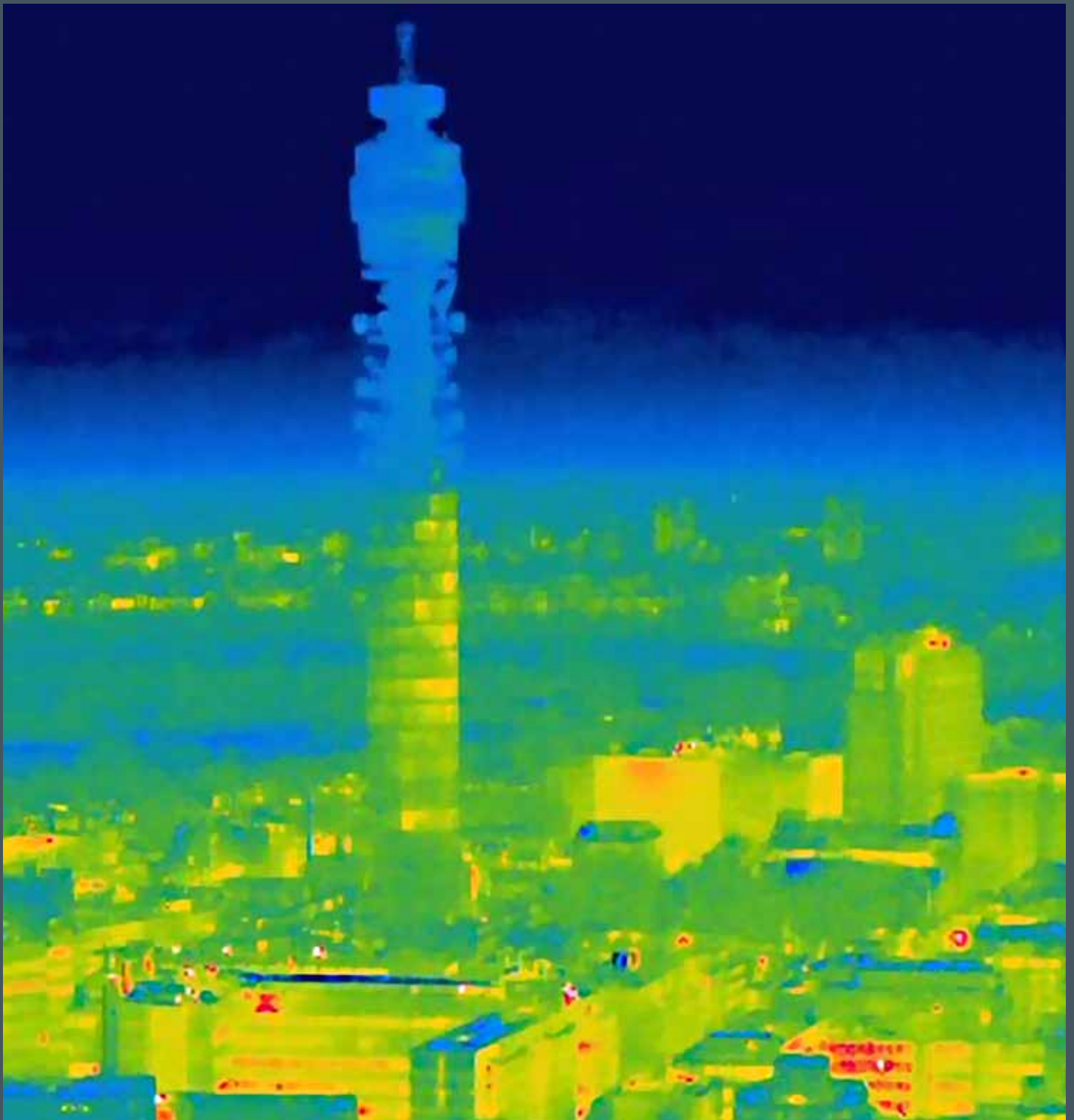


# ANNUAL REVIEW 2010

Oxford Institute for Sustainable Development (OISD)  
Creating sustainable environments



## Annual Review: 2010

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# 1 | Introduction to OISD Annual Review 2010

When I arrived at Oxford Brookes University in March 2011 to take up a new senior management position, I freely admitted to having been drawn towards a number of precious gems in the university's display cabinet. I had been particularly excited at the possibilities thrown up by the Oxford Institute for Sustainable Development (OISD). It appeared to my untrained eye to be the type of research and knowledge centre that is so right for the times we live in.

The university sector is undergoing seismic change and is increasingly being asked by the outside world to account for itself - to prove its impact on the lives of real people - so this report illustrates how the work of OISD will remain central to the reputation of one of the UK's leading modern universities. The current organisational restructuring at Oxford Brookes University is bringing together architects, planners, real estate specialists, computer scientists, visual artists, musicians, filmmakers and engineers under one roof.

The new supra-faculty of Technology, Design and Environment will make disciplinary collaboration easier to achieve, and more efficient to manage and OISD will be provided with a home where it is able to fully exploit the new academic terrain where university research and knowledge transfer is focused on cross-cutting themes, trans-disciplinary working is at a premium and sustainability is taken as a given.

OISD is already working on research projects with other leading UK universities like Oxford University, Cardiff University, University of the West of England and Salford University. It is also undertaking collaborative research with other European universities and has research interests in many other parts of the world. It is to the credit of the staff that the ethos of OISD has made plenty of space for global and local interests in its impressive outputs.

In the past year OISD has published a ground-breaking report, funded by the European Investment Bank, which provides a blueprint for policy makers seeking to incorporate social sustainability within European urban redevelopment initiatives. It was also awarded a 3-year research grant by the UK's Engineering and Physical Sciences Research Council (EPSRC) to undertake research on 'Adapting Suburban Neighbourhoods for a Changing Climate: Identifying Effective, Practical and Acceptable Means of Suburban Re-design' (SNACC).

OISD has won substantial funding for its 'Re-Engineering the City 2020-2050 (RETROFIT 2050): Urban Foresight and Transition Management' research project that addresses the critical challenge of how cities develop the knowledge and capability to systemically re-engineer their built environment and urban infrastructure in response to climate change and resource constraints. At the same time OISD is working with The University of Oxford on the Future of Cities project in developing a fascinating research network - 'Globalisation, Climate Change and Urban Governance: Balancing the Scales for Both Efficient and Pro-Poor Urban Futures - The Case of Brazil and the UK'.

In this brief introduction I am only able to offer you a glimpse, a snapshot of the activity of OISD, so I do hope you will seize the moment here to learn more fully about the important work undertaken with collaborative partners both from within and outside academia. We will be continuing to invest in OISD to help them build further innovative partnerships with environmental stakeholders and carry on their important work. If you would like to work with us in this exciting, challenging area of research and knowledge transfer please don't hesitate to contact Professor Tim Dixon, the Director of OISD.



**Paul Inman**  
Pro Vice Chancellor  
and Dean of Faculty  
of Technology, Design  
and Environment

## 2 | OISD: Who we are and what we do



The Oxford Institute for Sustainable Development (OISD), which is based within the Faculty of Technology, Design and Environment, was established in July 2004. There are currently eight research groups in OISD, comprising:

- Spatial Planning
- Impact Assessment
- Urban Design
- Real Estate and International Land Policy
- Construction and Project Management
- Technology
- Low Carbon Building
- Architectural Humanities (International Vernacular Architecture Unit, DOSSier and CENDEP).

The research groups focus on different spatial scales and processes. These groups are addressing key questions which include:

- How can we develop robust metrics systems to measure carbon footprints for buildings and cities?
- How can compact cities provide a template for sustainable development?
- How can we create sustainable, not transient, communities in regeneration?
- How can we assess environmental impact to create a sustainable future?
- How can new technologies advance sustainable building design?

OISD, therefore, has a key mission to undertake funded research on sustainability in the built and natural environments at all scales. Its aim is to advance knowledge and practice on sustainable environments by:

- Developing concepts, designs, technical and process approaches;
- Informing policy debates nationally and internationally;
- Developing an empirical evidence base; and
- Contributing to enhanced stakeholder participation.

OISD research addresses the multiple dimensions of sustainable development (social, economic, environmental and governance) and the synergies and processes that link them. Each group has a distinct identity and research strategy, but there are also synergies between them, and multidisciplinary and interdisciplinary working is an important element of our activities. We have an annual income of approximately £800,000 per annum from research councils, government, industry and charities.

For more information on our activities see our website at: [www.brookes.ac.uk/schools/be/oisd/](http://www.brookes.ac.uk/schools/be/oisd/)



As this year's annual review goes to press, the UK government has just announced its commitment to set a target to cut the UK's carbon emissions in half by 2027 and change the way the UK produces energy. Between 2008 and 2009 emissions in the UK fell by 8.7% to 566m tonnes per annum, reduction of 23% on 1990 levels of 793m tonnes, and a result partly driven by the recession. The 2027 target is even tougher with an expectation that emissions are reduced to about 390m tonnes per annum. <sup>1</sup>

In addition there is a challenging renewables target set by the previous Labour government: the UK has also signed up to the EU Renewable Energy Directive, which includes a UK target of 15 percent of energy from renewables by 2020, equivalent to a seven-fold increase in UK renewable energy consumption from 2008 levels, which is the most challenging target of any EU Member State.

These strands of policy and other initiatives, such as the Green Investment Bank, are designed to help drive growth and jobs in the economy. For example, meeting the renewable energy targets could provide £100 billion worth of investment opportunities and up to half a million jobs in the renewable energy sector by 2020.

Whilst the global position on carbon emissions remains very challenging, the built environment in the UK will be a key focus for continued action as it potentially offers 'low hanging fruit' for reducing carbon emissions. In the UK about 44% of all carbon emissions come from the use of buildings (about 18% of this is from non-domestic buildings and 26% from domestic dwellings). About 60% of total commercial

and industrial premises are located in cities, and the UK's cities are responsible for about 45% of total carbon emissions (with 30% of this total from the English 'Core Cities' and London alone). Cities will also therefore be vital hubs to tackle carbon emissions: they provide opportunities for technology deployment and for access to finance and capital, and offer economies of scale in terms of energy consumption. Here in Oxford for example carbon emissions in 2008 were 6.8 tonnes pa, compared with 8.0 tonnes pa for Oxfordshire and 7.0 tonnes per annum for the UK as a whole. <sup>2</sup>

Yet reducing carbon emissions from our cities must be tackled through a variety of measures which includes re-engineering the existing fabric of buildings, or retrofitting them to make them more efficient; improving appliance efficiencies; decarbonising energy supplies and changing people's behaviour so that demand can also be reduced.

Research which tackles these issues will therefore need to be forward thinking and truly interdisciplinary. This almost certainly means evolving beyond even a multidisciplinary approach to one where different disciplines are deeply interwoven and intertwined to tackle a research issue in innovative and different ways, combining element of science, engineering and social science in a socio-technical framework. Several of our new consortia-based programmes use such an approach (for example, EPSRC Retrofit2050 and ESRC EVALOC) and this of course enables us to build on the strong partnerships we have with institutions internationally, nationally, regionally and locally.

Being based in Oxford offers OISD the real opportunity to connect and be an active part of what is a national and international centre for 'green thinking'. Our links with Oxford University include close partnership with the Martin School (Future of Cities programme), continuing collaboration with the Smith School of Enterprise and Environment and the Environmental Change Institute on research, and helping

deliver Oxford University's new MSc in Sustainable Urban Development. OISD has also made close connections to the OxFutures group, Climate Change Oxford, the Local Economic Partnership (Oxfordshire City-Region), Low Carbon West Oxford, Low Carbon Oxford, and the 2Degrees network, and is working with local authority and private sector interests to scope out the plans for an Eco Bicester Research and Innovation Centre, to be developed in parallel with the proposed new eco town. Within the new Faculty of Technology, Design and Environment at Oxford Brookes, OISD has also worked closely with colleagues in the School of Technology to develop further research proposals, building on the excellent work on electric vehicles undertaken by the Sustainable Vehicle Engineering Centre and the Department of Psychology. Within the new faculty structure at Brookes OISD aims to connect with other research groups, and produce an enhanced and integrated approach to sustainability-based research.

It will be these initiatives and relationships which will therefore enable us to shape and produce longitudinal research which can not only be reflexive and action-based to help produce the most sustainable outcome for a range of local and regional projects, but which will also help us to connect to other high quality research programmes nationally and internationally. In this respect our ambition is to continue to produce internationally excellent research which really does have impact.

*Professor Tim Dixon, Director of OISD and Professor of Real Estate*

*Acknowledgement: We would like to thank all our colleagues in OISD, the Faculty of Technology, Design and Environment, and the relevant departments in compiling this report, especially, Bridget Durning and Michele Dodd.*

These are just some of our main news stories from 2009-2010.

For more news see our website at: [www.brookes.ac.uk/schools/be/oisd/news/index.html](http://www.brookes.ac.uk/schools/be/oisd/news/index.html)

<sup>1</sup> DECC Climate Change Act Policy Statement

<sup>2</sup> DECC Data

### OISD and European Investment Bank publish “Measuring Socially Sustainable Urban Regeneration in Europe” study (November 2009)



In November 2009 the Oxford Institute for Sustainable Development published a ground breaking report that provides a blueprint for policy makers seeking to incorporate social sustainability within European urban redevelopment initiatives. This 3 year study has been funded by the European Investment Bank (EIB), under the EIB-Universities Research Action programme, and seeks to improve understanding of how social sustainability can be included in EU urban renewal projects by examining current governance models in 10 policy areas and through the evaluation of 5 case study experiences.

“This study is an important contribution to improved understanding of social sustainability amongst policy makers and reflects the EIB’s involvement in supporting enhanced technical and economic understanding of urban renewal and development. The report will contribute to better urban regeneration project design and socially sustainable investment across Europe” stated Simon Brooks, European Investment Bank Vice-President responsible for the United Kingdom.

“We are delighted to receive this endorsement from the European Investment Bank. Research by the Oxford Institute for Sustainable Development always strives to have a high impact in both policy and practice, and it is clear

that the findings from this research will help inform work in both spheres” added Professor Tim Dixon, Project Director.

The report recommends greater integration of socially responsible investment and local authority indicators, alongside increased investment in data gathering to improve understanding of social sustainability. It suggests key ways to improve the monitoring of the social impacts of regeneration and highlights the importance of linking local regeneration projects to city-wide development plans. The work of dedicated development agencies and public private partnerships (PPPs) are shown to be crucial factors in delivering socially sustainable urban regeneration.

The ‘Measuring Socially Sustainable Urban Regeneration in Europe’ report recognises the need for further research in both social sustainability and its measurement in the context of sustainable urban regeneration, and was one of the first research projects financed by the European Investment Bank’s University Research Action programme to be completed.

#### **Adapting to a changing climate: A three-year project funded by EPSRC (September 2009)**

Climate change will affect everyone in the future, but the scale and intensity of change will depend on where you live. Equally the capacity of individuals and communities to adapt and change in the face of climate change also depends on where you live, because of how wealthy you and your neighbours are, of the type of house and neighbourhood you live in, and how effectively local policy makers



and public service providers will respond to the challenge.

To address this major gap in knowledge, Oxford Brookes University is co-leading a cutting-edge research project which seeks to answer the question - how existing suburban neighbourhoods in the UK can be best adapted to reduce further impacts of climate change and withstand ongoing changes?

The project will provide more sophisticated and tested versions of DECoRuM ([www.decorum-model.org.uk](http://www.decorum-model.org.uk)), visualisation tools and hedonic pricing models to help decision-makers effectively manage and protect UK’s homes and communities against a changing climate.

Professor Rajat Gupta, Professor in Architecture and Climate Change in the School of Architecture and Co-Director of the OISD: Low Carbon Building Group has been awarded a 3-year research grant (from September 2009) by the UK’s Engineering and Physical Sciences Research Council (EPSRC) to undertake research on ‘Adapting Suburban Neighbourhoods for a Changing Climate: Identifying Effective, Practical and

Acceptable Means of Suburban Re-design (SNACC)'.  
The total value of this multi-disciplinary project is £641,318, with University of West of England, Heriot-Watt University and a range of industry partners including ARUP, as well as researchers from overseas. SNACC is one of the six projects (out of 45 shortlisted in the second round) funded under the £6 million call on Adaptation and Resilience to a Changing Climate (ARCC), which is part of the 10-year 'Living with Environmental Change' Programme (LWEC) programme.

SNACC focuses on suburbs because they are the most common type of urban area in the UK housing 84% of the population. The project will identify successful adaptation and mitigation measures: these are classed as those that perform well technically (i.e. they protect people and property from climate change impacts and mitigate against further climate change) but are also those that are the most practical and acceptable for those who have to make them happen. The project uses 6 neighbourhoods from 3 cities as case studies (Oxford, Bristol and Stockport). In these areas, key agents of change (e.g. home owners, elected members and planners) will help to determine successful adaptations.

The project will also extend the capability of the RIBA award-winning carbon-counting DECoRuM model, to conceptualise and evaluate the exposure, vulnerability and adaptive capacity of our existing homes and neighbourhoods in UK. The modelling (of climate change, house prices and adaptation outcomes), will allow the participants to visualise what 'adapted' neighbourhoods will look like, and deliberative methods from social sciences, to generate a portfolio of adaptation strategies that are feasible,

and fully endorsed by stakeholders. The findings will be communicated to a wide network of policy, practice, public and academic beneficiaries. The outcomes will contribute, practically, to securing a sustainable future for the UK's suburbs in the face of climate change.

Prof Rajat Gupta said: "SNACC is a significant and timely contribution to a research community seeking to address the paucity of socio-technical research. SNACC will expand our research and expertise on climate change mitigation and carbon emission reduction, to evaluating the climate change adaptive capacity of our sub-urban neighbourhoods."

For further information, please contact Prof Rajat Gupta on [rgupta@brookes.ac.uk](mailto:rgupta@brookes.ac.uk)

### Nicholas Whitehouse gains MBE (January 2010)

The former chairman of Terrapin, currently employed as Business Development and Research Advisor in the OISD Technology Research Group has been awarded an MBE in the 2010 new years' honours for services to the building Industry.

Nick Whitehouse has a long and illustrious record of technical innovation and has worked with the OISD Technology Group for the past two years. His appointment originally came as part of a HEIF3 initiative for business enterprise.

He is also a key figure in Buildoffsite: the organisation representing off-site construction in the UK.

Nick Whitehouse joined Terrapin Limited in 1977 as a Group Architect, was appointed a Director in 1984 and became Chairman/Managing Director in 1996. Over the years he has served on various RIBA, Government and trade association

committees to encourage cross sector working and move off-site manufacture into the main stream of construction.

In his role with the Technology Group at Oxford Brookes University, Nick is currently engaged in the development of testing and accreditation facilities to serve the needs of the UK offsite and cladding sectors. He is an important part of increasingly successful drive to make Brookes the preferred supplier of technical support in the area of systems engineering, structural design, building physics and sustainability across these sectors.

See our website for more about the work of the OISD Technology Group: [www.brookes.ac.uk/schools/be/oisd/technology/](http://www.brookes.ac.uk/schools/be/oisd/technology/)



## OISD Wins Funding from Oxford University's 'Future of Cities' Programme (April 2010)



Image source: <http://i.treehugger.com/images/2007/10/24/favela-morumbi-sao-paulo.jpg>

In April 2010 a team of researchers from OISD led by Dr Ramin Keivani won funding from the Future of Cities Programme, based at Oxford University, to develop a research network entitled, 'Globalisation, Climate Change and Urban Governance: Balancing the Scales for Both Efficient and Pro-Poor Urban Futures – The Case of Brazil and the UK'.

The one year project also involves Dr Sue Brownill and Prof Tim Dixon of OISD, Dr Idalina Baptista of Said Business School (Oxford University), Prof Jeroen Klink, Prof Rosana Denaldi from Universidade Federal do ABC (Santo Andre - Sao Paulo) and other experts from the UK and Brazil. By contrasting the current UK recession with the rapid growth taking place in Brazil, the project looks at both the potential and the limitations of the two countries' governance strategies, with respect to social inclusion, climate change and sustainability.

Dr Ramin Keivani said: "This project provides an excellent opportunity for mutual learning for building sustainable urban futures in the two countries. It will also allow us to consolidate and develop academic and professional links not only between the main lead institutions, but also the wider organisations and academics from both UK and Brazil that will be participating in the network."

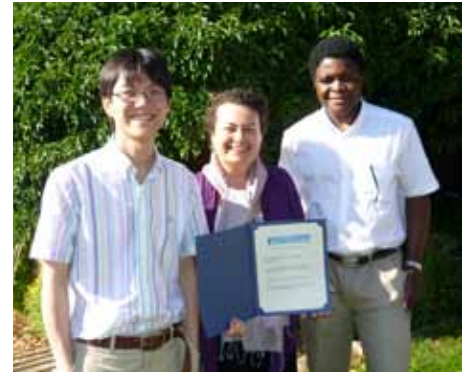
The Future of Cities Programme, which focuses on 'Flexible Cities' is led by the Institute for Science, Innovation and Society at Oxford University's Saïd Business School and is headed by Prof Steve Rayner.

For further information see: [www.sbs.ox.ac.uk/centres/insis/news/Pages/cities-funding.aspx](http://www.sbs.ox.ac.uk/centres/insis/news/Pages/cities-funding.aspx)

### OISD: Construction and Project Management researchers win Best Paper Award (June 2010)

Dr Esra Kurul, Prof Joe Tah and Dr Franco Cheung from the Department of Real Estate and Construction at Oxford Brookes University have won the Best Paper Award for Innovations in Sustainability, for their paper entitled "Does the UK Built Environment Sector have the Capacity to Deliver Sustainability?" at the 6th International Conference on Innovation in Architecture, Engineering & Construction at Penn State University in the USA. Dr Kurul received the award on behalf of the authors from Prof Dino Bouchlaghem, Editor-in-Chief of the International Journal of Architectural Engineering and Design Management published by earthscan.

The paper focuses on the evaluation of the UK Built Environment sector's ability to



Dr Franco Cheung, Dr Esra Kurul and Prof Joe Tah of OISD



Prof Dino Bouchlaghem and Dr Esra Kurul

deliver sustainability. It illustrates that apart from a strong legal framework, the industry fails in all other aspects of institutional capacity, i.e. structure, staff, skills and tools, and urges for action to deal with this important problem of incapacity.

Dr Kurul said: "This is an area mostly overseen by academics and practitioners in the UK. The last Government demonstrated that such an evaluation is much needed by tasking its Chief Construction Adviser, Paul Morrell, to chair a review of construction's role in a low carbon economy. I am delighted that the novelty and significance of our ideas were acknowledged with this award and look forward to implementing our plans to explore the agenda-setting opportunities that our idea offers."

For further information and to express an interest in developments in this area contact: Dr Esra Kurul, [ekurul@brookes.ac.uk](mailto:ekurul@brookes.ac.uk)



## OISD Awarded Major EPSRC Grant on Retrofitting Cities to 2050 (August 2010)



Greater Manchester Urban Area from Crompton Moor - Image by Tom Faulkner



Cardiff Bay Aerial View - Image by Cardiff Harbour Authority

OISD has helped secure a major £2m research grant from the Engineering and Physical Science Research Council (EPSRC) under the recent Sustainable Urban Environments 'Integration Across Scales' Call. The grant is one of only four awards made under the call, and OISD will be working in partnership with: the Low Carbon Research Institute at the Welsh School of Architecture (WSA) at Cardiff University; The Centre for Sustainable Urban and Regional Futures at Salford University; and the University of Cambridge, Department of Engineering, Centre for Sustainable Development (CSD),

'Re-Engineering the City 2020-2050 (RETROFIT 2050): Urban Foresight and Transition Management' will address the critical challenge for contemporary urbanism: how do cities develop the knowledge and capability to systemically re-engineer their built environment and urban infrastructure in response to climate change and resource constraints?

The research will explore a range of future-based scenarios (linked to models, visualisation techniques and pathway analysis) which can help key stakeholders achieve a more sustainable urban environment at a 'city region' scale in

the UK by 2050. The research therefore aims to achieve a step change in current thinking in UK urban knowledge by focusing on two UK core cities (Greater Manchester and Cardiff/South East Wales).

The OISD work package (led by Principal Investigator, Professor Tim Dixon - Director of OISD and Professor of Real Estate - with co-investigators Professor Ray Ogden - OISD Technology and Professor Georgia Butina-Watson - OISD Urban Design) will focus on developing an Urban Technology Foresight Laboratory, which will, through interaction between scientific experts, practitioners and policy users, identify and characterise prospective disruptive technologies and systems innovations, and provide long-term guiding visions and technology-based roadmaps for urban retrofitting. The research will focus on energy, water and waste in particular.

The proposal brings together an experienced, interdisciplinary team of leading academic researchers, with commercial and public sector research users. Commercial collaborators will include Corus and Arup. Regional collaborators will include Cardiff and Neath Port Talbot Borough Councils, Welsh Assembly Government and Association of Greater Manchester local authorities (AGMA)/Manchester City Region Environment Commission. National dissemination will take place through the BRE, Core Cities, CABE, RICS, and key Government Departments such as DEFRA.

Professor Tim Dixon said: "We are delighted to win this grant. Cities are seen as both the problem and the solution to climate change and resource depletion, and this strongly interdisciplinary research aims to overcome the disconnect between two key issues; firstly, 'what' is to be done to the city, through technical knowledge, targets, technological options and the costs of re-engineering, and secondly, 'how' it will be implemented through institutions, and regulatory and governance systems. We will be focusing on Transition Theory in an urban context,

## 5 | New OISD research projects

which will provide both challenges and exciting opportunities for the team”.

OISD annual income during 2009-10 was approximately £518,587 comprising:

Research Councils	£251,875
UK Charities	£24,685
UK Government/Local Authority	£45,058
UK Industry	£94,844
EU Government Bodies	£9,763
Other Overseas	£20,194
Other Sources	£72,168

**Table 1 sets out the details of our successful grant bids in excess of £5000 during the same period (in order of amount awarded to OISD).**

Funder	Title	Lead Academic	OISD Group	Amount Awarded to OISD	Date Awarded	Start Date	End Date
ESRC	Evaluating the impact, effectiveness and success of DECC funded low carbon communities	Rajat Gupta	Low Carbon Building	£1,144,509	30/07/2010	01/01/2011	31/12/2013
EPSRC	Re engineering the city 2020-2050. Urban foresight and transition management	Tim Dixon	Real Estate and Land Policy	£374,633	19/05/2010	01/10/2010	31/03/2014
EPSRC	Integrated Carbon, Waste and Cost Modelling for Design of Low Impact Buildings	Joe Tah	Construction and Project Management	£149,916	17/11/2009	01/02/2010	31/01/2012
Technology Strategy Board	AIMC4 TSB Project	Fionn Stevenson	Low Carbon Building	£144,021	11/09/2009	01/11/2009	31/10/2013
Oxford Brookes University - Higher Education Innovation Fund	Accreditation and testing for offsite manufacturing including cladding (ATOMIC)	Ray Ogden	Technology	£99,825	01/03/2010	01/03/2010	31/07/2011
Oxford Brookes University - Higher Education Innovation Fund	Counting the real carbon	Rajat Gupta	Low Carbon Building	£99,028	01/03/2010	01/03/2010	31/07/2011
Good Homes Alliance	GHA monitoring programme	Fionn Stevenson	Low Carbon Building	Confidential	11/01/2010	11/01/2010	31/07/2011

Funder	Title	Lead Academic	OISD Group	Amount Awarded to OISD	Date Awarded	Start Date	End Date
Oxford University	Globalisation, climate change and urban governance	Ramin Keivani	Real Estate and Land Policy	£46,794	01/03/2010	01/03/2010	28/02/2011
Royal Hasokoning Ltd (for EDF Energy)	Extension to work on socio-economic impact of Hinckley Point ES - change order 2	John Glasson	Impact Assessment	Confidential	25/11/2009	25/11/2009	31/05/2010
Royal Hasokoning Ltd (for EDF Energy)	Extension to work on socio-economic impact of Hinckley Point ES - change order 4	John Glasson	Impact Assessment	Confidential	16/02/2010	14/06/2010	30/09/2010
Heritage Lottery Fund	Townscape Heritage Initiative Evaluation - Final Phase	Alan Reeve	Urban Design	£41,792	17/06/2010	21/06/2010	01/03/2011
Technology Strategy Board	Design for Future Climate	Rajat Gupta	Low Carbon Building	£41,667	23/08/2010	01/10/2010	30/09/2011
Technology Strategy Board	Design for Future Climate	Rajat Gupta	Low Carbon Building	£41,664	23/08/2010	01/10/2010	30/09/2011
Royal Hasokoning Ltd (for EDF Energy)	Extension to work on socio-economic impact of Hinckley Point ES - change order 3	John Glasson	Impact Assessment	Confidential	16/02/2010	16/02/2010	31/12/2011
Technology Strategy Board	Design for Future Climate	Rajat Gupta	Low Carbon Building	£38,197	23/08/2010	01/10/2010	28/02/2011
Technology Strategy Board	Low-carbon deep retrofitting of a 1930s semi-detached house in Whitehaven	Rajat Gupta	Low Carbon Building	£34,921	19/01/2010	01/03/2010	28/02/2013
Technology Strategy Board	Low-carbon retrofitting of a post-Decent Home concrete no-fines property	Rajat Gupta	Low Carbon Building	£34,921	19/01/2010	01/03/2010	28/02/2013
Technology Strategy Board	The Oxford Whole House Carbon Reduction Project	Rajat Gupta	Low Carbon Building	£31,555	19/01/2010	01/03/2011	28/02/2013
UNITE Modular Solutions	Research and development studies - umbrella agreement	Ray Ogden	Technology	Confidential	18/08/2010	01/09/2010	renewed annually
Oxford Brookes University Central Research Fund	Regional clusters of innovation in clean energies technologies in OECD countries	James Simmie	Spatial Planning	£18,902	20/11/2009	01/01/2010	30/09/2010
Everup Scaffolding Company Ltd	Everup Scaffolding Co. (Crosbie, Ringscaff)	Mike Godley	Construction and Project Management	Confidential	23/09/2009	08/02/2010	08/03/2011

Funder	Title	Lead Academic	OISD Group	Amount Awarded to OISD	Date Awarded	Start Date	End Date
Everup Scaffolding Company Ltd	Everup Scaffolding Co. (Crosbie, Turnlok)	Mike Godley	Construction and Project Management	Confidential	23/09/2009	08/02/2010	08/03/2011
University of Westminster	Independent mobility as a critical aspect of children's development and quality of life	Tim Jones	Spatial Planning	£8,900	02/12/2009	01/02/2010	30/07/2010
Steel Construction Institute	Initial assessment - Deployment of LWSF accommodation modules	Ray Ogden	Technology	Confidential	15/07/2010	01/07/2010	29/10/2010
Royal Hasokoning Ltd (for EDF Energy)	Extension to work on socio-economic impact of Hinckley Point ES - change order 1	John Glasson	Impact Assessment	Confidential	07/10/2009	07/10/2009	30/11/2009
Oxford Brookes University Central Research Fund	Accounting for carbon in environmental impact assessment	Bridget Durning	Impact Assessment	£7,834	20/11/2009	01/01/2010	31/08/2010
University of Oxford	UKERC Energy Demand	Rajat Gupta	Low Carbon Building	£7,660	01/01/2010	01/01/2010	31/12/2012
Oxford Brookes University Central Research Fund	Sustainable housing design: understanding consumer preferences and market provision	Alan Reeve	Urban Design	£7,000	20/11/2009	01/01/2010	13/12/2010
Oxford Brookes University Central Research Fund	INVENT: Innovative Vacuum Envelope Technologies	Ray Ogden	Technology	£7,000	22/06/2010	not stated	not stated
British Academy	London Docklands: reflection on regeneration	Sue Brownill	Spatial Planning	£6,934	11/06/2010	01/09/2010	31/03/2011
Savills	Blackbird Leys Regeneration	Georgia Butina Watson	Urban Design	Confidential	01/03/2010	01/05/2010	31/05/2010
Crest Nicholson	POE advice	Fionn Stevenson	Low Carbon Building	Confidential	31/08/2010	01/09/2010	30/09/2010
Oxford Brookes University Central Research Fund	Understanding everyday mobilities: performing the journey to work in Oxford UK	Tim Jones	Spatial Planning	£5,293	20/11/2009	01/01/2010	31/12/2010
Infinergy Ltd	Lochluichart windfarm extension: socio-economic assessment	Andrew Chadwick	Impact Assessment	Confidential	31/03/2010	01/04/2011	30/05/2011
London Assembly	Literature review - Olympic venue - regeneration legacy	Sue Brownill	Spatial Planning	£5,050	22/04/2010	01/05/2010	31/05/2010

## 6 | OISD Doctoral Programme

OISD and the Faculty of Technology, Design and Environment place a strong emphasis on linking research with teaching. In terms of total numbers doctoral numbers, some 16 research students were conferred between 1 October 2009 and 30 September 2010. Table 2 shows the conferments (i.e. those who were examined and awarded their degree during 2009-2010) in detail.

**Table 2a PhD Conferments (2009-2010)**

First name	Surname	Speciality	Project title
Lynne	Mitchell	Architecture	Understanding an altered reality: researching the design needs of older people with dementia
David	Sanderson	Architecture	Integrating development and disaster management concepts to reduce vulnerability in low income urban settlements
Mariana	Correia	Architecture	Conservation intervention in earthen heritage: Assessment and significance of failure, criteria, conversion theory and strategies
Joe	Weston	Planning	Environmental decision making
Andrew	Inch	Planning	The new planning, and the new planner: modernisation, culture, change and the regulation of professional identities in English local planning
Napaporn	Janchai	Planning	Sustainable tourism planning and management based on community participation in the context of National Parks
Leonard	Van Duijn	Planning	Clausewitz inspired reflections on aid operations in turbulent environments: the case of Nepal 1999-2005/06
Ferdinando	Sigona	Planning	The impact of reception and assistance policies on refugee ethnicity and identity. The case of Kosovo refugees in Italy
Allen	Firth	Planning	The pursuit of coherence in historic conservation management: help or hindrance?
Louise	Whitehead	Planning	Involuntary urban resettlement: a study of socio-cultural livelihood impoverishment and reconstruction in Phnom Penh, Cambodia
Lei	Zhou	Real Est & Const Manage	Achieving sustainable development through the private finance initiative procurement process in the UK
Usha	Prabhakaran	Civil Engineering	Nonlinear analysis of scaffolds with semirigid connections
Thi Hong Hanh	Vu	Urban Design	Canals and city identity in HCMC -Vietnam
Anila	Naeem	Urban Design	Reinstating the significance of Historic Places: a case based study on the historic towns of Sindh, Pakistan
Anwar	Punekar	Urban Design	Rebuilding multicultural Indian historic cities: the case of Bijapur

**Table 2b MPhil Conferments (2009-2010)**

First name	Surname	Speciality	Project title
Sang-Soo	Mun	Planning	Tiering approaches in the spatial development process and SEA

## PhD: David Sanderson - Integrating development and disaster management concepts to reduce vulnerability in low income urban settlements



David on fieldwork in Gujarat, India, 2010

In 2009 I completed my PhD by published works, 'Integrating development and disaster management concepts to reduce vulnerability in low income urban settlements'. The work brought together research and publications I had undertaken between 1995 and 2008 working in development and emergencies for aid agencies on projects in Africa, Asia, Latin America and Europe.

The subject of the work concerns uniting aid agency approaches to long term chronic poverty and short term acute disasters. While aid agencies often work in both these areas, they often employ differing conceptual understandings. Yet, from the perspective of vulnerable people, chronic poverty and acute emergency are part of the same continuum.

To these ends my work sought to develop and articulate further the 'livelihoods approach', a developmental

conceptualisation first developed by Chambers and Conway in 1991 and which subsequently became a mainstream developmental approach in the late 1990s. While the model articulated in its original definition understandings of risk and vulnerability, this aspect had been largely ignored in subsequent interpretations of the model by donors and others.

My work therefore sought to develop two areas. The first of this was a clearer description of vulnerability. The second area was to apply the model to urban areas. Conceived initially as a rurally applicable model, I sought to critically review the application of the revised model within low income urban settings in projects in Peru, India, Zambia and Kosovo.

This latter application has increasing resonance and applicability at a time where disasters in urban areas is on the

increase. Disasters in 2010/11 in Japan, Haiti, Brisbane, Chile and Christchurch bear witness to increased vulnerability in urban areas, caused primarily by rapid urban growth, which, according to UN Habitat, is taking place at the rate of one million new urban dwellers per week. The World Bank recently called increased urban risk a new 'game-changer' for NGOs .

Urban risk reduction and the role of humanitarian aid agencies is an important strand at the work of the Centre for development and Emergency Practice (CENDEP), where I am Director. In December 2010 I led a review of the response to the Haiti earthquake by the UK's 13 largest non-governmental organisations (NGOs) on behalf of the Disasters Emergency Committee (DEC). The central question was, 'what can be learnt for international NGOs for the next urban disaster?' The 30 page study provided 10 recommendations, of which the final, main recommendation was to prepare for the next 3-5 large urban disasters that will almost definitely occur over the next 10 years.

The methodological approach underpinning the study was the livelihoods approach – to see disasters as dramatic events that are also part of everyday life, and for which affected people need a range of measures that take account of, and build on, their own skills and abilities. From this perspective, people are not helpless victims but are determinants of their own futures and best suited to lead their own recovery, which for aid agencies means working in ways that build long term recovery, as well as meeting immediate basic, life saving needs.

The report 'Urban Disasters - Lessons from Haiti, Study of member agencies' responses to the earthquake in Port au Prince, Haiti, January 2010' can be found at the DEC website, [www.dec.org.uk](http://www.dec.org.uk)

## 7 | Research esteem measures for OISD

### Examples

OISD staff have held, or currently hold, a number of high-profile visiting posts at universities and organisations in the UK and overseas including, for example, the international Visiting Professorship of John Glasson at Curtin University. Rajat Gupta is a Faculty Associate in the Smith School of Enterprise and Environment, University of Oxford.

OISD has recently been a member of several important and successful UK Research Council consortia, such as EPSRC UWAC and SNACC.

Staff also have editorial roles: Nick French is the Editor of Property Investment and Finance, and John Glasson, the Editor of the Routledge Natural and Built Environment Series. Tim Dixon is on the editorial board of five leading academic journals, and is a member of the steering group of Oxford University's Future of Cities Programme and a member of the RICS Sustainability Task Force.

### OISD Collaborators

In the UK we have collaborative research programmes with:

- University of Surrey
- University of Leeds
- Lancaster University
- University of the West of England
- University of Oxford
- University of Salford
- University of Cambridge
- Cardiff University
- Fachhochschule Lübeck
- University of Marburg
- Università degli Studi di Torino
- University of Kentucky
- University of Louisville, Center for Environmental Policy and Management
- Milan Politecnico
- Dept of Architecture, University of Oregon
- Higher School of Economics, Moscow
- Osaka University
- University of Arizona

Further afield, we have collaborative research links with:

- Ryerson University, Toronto
- University of Montreal, School of Architecture
- UMR CNRS, Laboratoire d'Ecologie Alpine, Grenoble
- Université de Paris VIII, Institut Français d'Urbanisme
- University of Toulouse le Marail
- Brandenburg Technical University
- HafenCity Universität, Hamburg
- Helmholtz Centre for Environmental Research - UFZ

We also have many links through visiting staff roles. During 2009/10 we hosted visiting academics from:

- Griffith University, Australia
- University of Trás-os-Montes e Alto Douro, Portugal
- Korea Maritime University
- Eastern Mediterranean University, Turkey
- University of Rome

## Our funders

Over the last four years these have included:

- AEA Technology
- Arts Council England (Museum Libraries and Archive Council)
- BDP Limited
- Beckers Industrial Coatings Limited
- Berkley Group Homes
- Brett Martin Daylight Systems
- British Academy
- British Council (UKIERI)
- British Council of Offices
- BSL Scaffolding UK Ltd
- Capita Symonds
- Centre for Education in the Built Environment
- Central Research Fund – Oxford Brookes University
- Cherwell District Council
- Crest Nicholson
- Daiwa Anglo Japanese Foundation
- DCLG
- Deborah Services Limited
- DTI
- EDFEnergy
- EPSRC
- Erasmus Mundus
- ESRC
- Euroclad Ltd
- Eurofox Engineering Ltd
- European Coil Coating Association
- European Investment Bank
- European Union
- Everup Scaffolding Company Ltd
- Geoffrey Osbourne Limited
- George Roberts (NW) Ltd
- Gifford Ltd
- Good Homes Alliance
- Groundwork London
- Groundwork SE
- Hackney Borough Council
- Halcrow Group Ltd
- Haskoning UK Ltd
- HEFCE (HEIF)
- Heriot Watt (for CABE)
- Heritage Lottery Fund
- Home Group
- Homes and Communities Agency
- Hyder Consulting
- Infinergy Ltd
- International Labour Organisation
- Investment Property Forum
- John Comerford
- Kingerlee Homes
- Living Steel
- London Assembly
- Lyndon Scaffolding Systems
- Manches Solicitors
- MAAP Architects
- Magnox Decommissioning
- Millenium Scaffolding Systems
- Momena
- National Access and Scaffolding Confederation
- NESTA
- New Earth Solutions
- Osaka University
- Oxford City Council
- Portacabin Ltd
- QBM
- RICS
- RICS Education Trust
- Ridge Construction
- Royal Haskoning
- Rupert Taylor Ltd
- Sagong University
- Save the Children
- SFS Intec
- Shoreditch Trust
- Steel Construction Institute
- Stewart Milne Group
- Tata Steel
- Technocraft
- Technology Strategy Board
- TEN
- Terrance O'Rourke
- Terrapin
- TRAD Hire & Sales Ltd
- Turner Fabrication Ltd
- Unite Ltd
- UNITE modular solutions
- University College London – Urban Buzz
- University of Oxford
- University of Surrey
- University of Westminster
- VROM
- Whitton Industrial Limited
- Workforce Development Fund (OBU)

As a research institute we are very conscious of the fact that our own



## 8 | Practising what we preach

behaviour on a personal and professional basis can have an impact on the environment. Researchers can, for example, clock up a large number of air miles on conference trips, and we all have an immediate impact on our surroundings in our journey to work if we use cars. Here are some simple examples of how we are trying to cut carbon emissions:

- OISD is a member of the UK Green Building Council.
- Brookes has a Sustainable Travel Plan and a dedicated bus scheme with increasing use promoted to staff, students and community (Brookes bus scheme - Green Award gained).
- Waste management scheme and movement sensitive lighting in the Buckley building where the core of OISD is based.
- Oxford Brookes University electricity is supplied from 100% renewables.
- Members of OISD are on the University's sustainability and corporate responsibility working parties.

## 9 | Full OISD staff listings



*The photograph shows Professor Tim Dixon, Director of OISD (far left, front), with fellow research staff based in OISD, and other staff in the Faculty of Technology, Design and Environment.*

## Impact Assessment Unit

Name	Job title	Department
Andrew Chadwick	Research Associate	Planning
Dr Bridget Durning	Senior Research Fellow	Planning
Prof John Glasson	Emeritus Professor, Founding Director of OISD	Planning
Dr Anastassios Perdicoulis	Visiting Research Fellow	Planning
Dr Jake Piper	Senior Research Fellow	Planning
Prof Riki Therivel	Visiting Professor	Planning
Dr Joe Weston	Principal Lecturer	Planning
Elizabeth Wilson	Reader and Director of Impact Assessment Unit	Planning
Dr Graham Wood	Reader	Planning

## Spatial Planning Group

Name	Job title	Department
Dr Camillo Boano	Associate Lecturer	Planning
Stephen Brown	Research Associate	Planning
Dr Sue Brownill	Principal Lecturer	Planning
Dr Juliet Carpenter	Senior Research Fellow	Planning
Jamie Elwin	Senior Lecturer	Planning
Dr Robin Ganser	Senior Lecturer	Planning
Dr Ellie Jupp	Research Fellow	Planning
Dr Beacon Mbiba	Senior Lecturer	Planning
Peter Headicar	Reader in Transport Planning	Planning
Dr Tim Jones	Research Assistant	Planning
Dr Tim Marshall	Senior Lecturer	Planning

Name	Job title	Department
Richard Nunes	Senior Lecturer in Spatial Planning	Planning
Dr Augustin Rodriguez-Bachiller	Research Affiliate	Planning
Dr Nando Sigona	Research Associate (to August 2010)	Planning
Prof James Simmie	Professor of Innovation and Urban Competitiveness	Planning
Peter Smith	Senior Lecturer	
Philip Turner	Senior Lecturer	Planning/ REC
Dr Dave Valler	Reader, Director of Spatial Planning Group	Planning
Prof Stephen Ward	Professor of Planning History	Planning
Dr Emma Wragg	Associate Lecturer	Planning

## Urban Design Group

Name	Job title	Department
Prof Ian Bentley	Emeritus Professor	Architecture/ JCUD
Prof Georgia Butina-Watson	Head of Department of Planning, Director of Urban Design Group	Planning/ JCUD
Andrew Burns	Associate Lecturer, Director of Matrix	Planning
Dr Jon Cooper	Senior Lecturer	Planning/ JCUD
Prof Brian Goodey	Emeritus Professor of Landscape Design	Planning/ JCUD
Rebecca Kiddle	PGTA in Urban Design	JCUD
Jacob Kimaryo	Research Associate	JCUD
Dr Karl Kropf	Associate Lecturer, Research Associate in Historic Conservation and Urban Design	Architecture/ JCUD
Dr Regina Mapua Lim	Associate Lecturer, Research Fellow	Planning
Laura Novo de Azevedo	Senior Lecturer in Planning and Urban Design	Planning
Dr Alan Reeve	Savills Reader, Programme Leader in Urban Design	Planning/ JCUD
Dr Roger Simmonds	Associate Lecturer	Planning/ JCUD
Dr Michelle Thomas	Senior Lecturer	Architecture/ JCUD

## Low Carbon Building Group

Name	Job title	Department
Smita Chandiwala	Researcher in Carbon Counting (to June 2010)	Architecture
Dimitra Dantsiou	Research Associate in Carbon Counting	Architecture
Dr Caroline Fox	Research Fellow in Low Carbon Communities	Architecture
Matt Gregg	Research Associate in Architecture and Climate Change	Architecture
Prof Rajat Gupta	Co-Director of Low Carbon Building Group	Architecture
Mary Hancock	Senior Lecturer	Architecture
Revd Prof Michael Humphreys	Emeritus Professor	Architecture
Maria Rita Kessler	Associate Lecturer	Architecture
Prof Fergus Nicol	Emeritus Professor	Architecture
Masoudeh Nooraei	Associate Researcher	Architecture
Lisa Pasquale	KTP Associate	Architecture
Paola Sassi	Senior Lecturer	Architecture
Dr Fionn Stevenson	Reader, Co-Director of Low Carbon Building Group	Architecture

## Technology Group

Name	Job title	Department
Dancho Azagra	Associate Researcher	Architecture
Dr Bousmaha Baiche	Research Fellow	Architecture
Michael Hill	Research Associate	Real Estate and Construction/
Architecture	Postgraduate Research Assistant (from Jan 10 located at Warwick University)	Architecture
Chris Kendrick	Senior Lecturer	Architecture
Justyna Laszczynska	Research and Office Assistant	Architecture
Prof Raymond Ogden	Associate Dean (Research and Knowledge Transfer), Director of Technology Group	Faculty
Steve Race	Principal Lecturer	Architecture
Adrian Robinson	Associate Researcher	Architecture
James Robinson	Senior Research Fellow	Architecture
Raymond Salter	Laboratory Manager	Faculty
Dr Nicholas Walliman	Senior Lecturer	Architecture
Dr Xiaoxin Wang	Research Fellow	Architecture
Nicholas Whitehouse	Senior Research Fellow	Architecture

## Architectural Humanities

Name	Job title	Department
Kate Angus	Associate Researcher, CENDEP	Architecture
Jeni Burnell	Associate Researcher, CENDEP	Architecture
Richard Carver	Senior Lecturer, CENDEP	Architecture
Ahmadreza Foruzanmehr	Research Associate, IVAU	Architecture
Bill Flynn	Associate Researcher, CENDEP	Architecture
Matt Gaskin	Head of School of Architecture (from Sept 2010)	Architecture
Nabeel Hamdi	Emeritus Professor, CENDEP	Architecture
Angela Hatherell	Research Associate, IVAU	Architecture
Prof Paul Oliver	Visiting Professor, IVAU	Architecture
Dr Aylin Orbasli	Reader, IVAU	Architecture
Brigitte Piquard	Reader, CENDEP	Architecture
Prof David Sanderson	Director of CENDEP	Architecture
Mark Swenarton	Head of School of Architecture (to Aug 2010), DoSSIER	Architecture
Igea Troiani	Senior Lecturer, DoSSIER	Architecture
Dr Marcel Vellinga	Reader, Acting Director of Architectural Humanities Group, IVAU	Architecture
Helena Webster	Associate Dean (Student Experience), DoSSIER	Architecture

## Real Estate and Land Policy Group

Name	Job title	Department
Judith Britnell	Research Fellow in Urban Technology Foresight	REC
Dr Albert Cao	Senior Lecturer	REC
Dr Youngha Cho	Senior Lecturer	REC
Gina Dalton	Deputy Head of Department	REC
Peter Dent	Senior Lecturer	REC
Prof Tim Dixon	Professor of Real Estate, Director of OISD, Co-Director of Real Estate and Land Policy Group	REC
Prof Nick French	Professor of Real Estate	REC
Richard Grover	Senior Lecturer	REC
Dr Ramin Keivani,	Research Co-ordinator and Tutor, Dept of REC, Co-Director of Real Estate and Land Policy Group	REC
Prof Anthony Lavers	Visiting Professor	REC

Name	Job title	Department
Dr Claire Roberts	Senior Lecturer	REC
David Shiers	Senior Lecturer	REC
Dr Sally Sims	Lecturer	REC
Dr Mike Stubbs	Senior Lecturer	REC/ Planning
Dr Xu Ye	Lecturer	REC

## Construction and Project Management

Name	Job title	Department
Henry Abdanda	Research Assistant	REC
Dr Franco Cheung	Senior Lecturer	REC
Dr Jonathan Rihan	Post-doc research assistant in applied computing	REC
Dr Esra Kurul	Senior Lecturer	REC
Austine Ng'ombe	Research Assistant	REC
Prof Joe Tah	Professor in Construction Management, Director of Construction and Project Management Group, Head of Department of Real Estate and Construction	REC
Rev Brian Wood	Senior Lecturer	REC

## Affiliated Staff

Name	Job title	Department
Dr Carol Dair	Research Fellow, Director of OISD: Cities	Architecture
Prof Mike Jenks	Emeritus Professor	Architecture
Lynne Mitchell	Research Fellow (from Jan 10 located at Warwick University)	Architecture
Dr Shibu Raman	Research Fellow	Architecture



The publications in the following lists cover the period October 2009 to September 2010.

Some examples of published books from OISD staff

## Impact Assessment Unit

### Books/Book Chapters

#### 2009

Therivel, R. and Morris, P. (2009). *Methods of Environmental Impact Assessment*, Routledge.

Rodriguez Bachiller, A. and Wood, G. (2009). Geographical Information Systems and EIA in *Methods of Environmental Impact Assessment*, 3rd Edition, P. Morris and R. Therivel. London, Routledge.

#### 2010

Glasson, J. (2010). The State of Regional Planning and Regional Planning in the State, in *Planning Perspectives from Western Australia: A Reader in Theory and Practice* (eds) I. Alexander, S. Greive and D. Hedgcock. Fremantle, Australia: 172-190.

Glasson, J. and Lawton Smith, H. (2010). Milton Park: Developing a successful hi-tech business park in *Local knowledge: case studies of four innovative places*. S. Mahroum. NESTA: London.

Perdicoulis, A. and Durning, B. (2010). EIA and EMS integration in W.R. Sheate (ed) *Tools, Techniques and Approaches for Sustainability: Collected Writings in Environmental Assessment Policy and Management*, Singapore: World Scientific Publishing Company.

Piper, J. and Wilson, E. (2010). Policy Options to Protect Biodiversity under Climate Change. In *Atlas of Biodiversity Risk*. J. Settele, L. Penev, T. Georgievet al, Sofia: Pensoft: 300.

Therivel, R. (2010). *Strategic Environmental Assessment in Practice*, 2nd edition, London: Earthscan.

Wilson, E. and Piper, J. (2010). *Spatial Planning for Climate Change*. Abingdon, Oxon, Routledge.

### Conference Papers

#### 2009

Piper, J.M. (2009). Biodiversity and climate change - interrelationships. *NGO Conference– 5th Intergovernmental Conference Biodiversity*. Europe, Liege.

## 2010

Broderick, M. and Durning, B. (2010). Equator principles and the minerals industry. *30th Annual Conference of the International Association for Impact Assessment (IAIA) The role of impact assessment in transitioning to the green economy*. Geneva, Switzerland.

Durning, B. and Broderick, M. (2010). Follow-up in ESIA as an aid to greening economies. *30th Annual Conference of the International Association for Impact Assessment (IAIA) The role of impact assessment in transitioning to the green economy*. Geneva, Switzerland.

Oliveira, D., Pereira de Souza, M., Montano, M. Piper, J. (2010). A call for SEA inadequate assessment of the internationalization Plan for Ribeirao Preto Airport, Brazil. *IAIA Conference: Transitioning to the Green Economy*. Geneva Switzerland.

Therivel, R. (2010). Does sustainability appraisal ensure that plans are environmentally sustainable? *30th Annual Conference of the International Association for Impact Assessment (IAIA): The role of impact assessment in transitioning to the green economy*, Geneva, Switzerland.

Therivel, R. (2010). Resilience Assessment, *International Workshop: Resilience Assessment*, Oxford.

Wilson, E. (2010). Planning for climate change, *AKL and RTPI Anglo-German Symposium on Planning for Climate Change*, London.

Wilson, E. (2010). Sustainability Appraisal and Climate Change, *30th Annual Conference of the International Association for Impact Assessment (IAIA): The role of impact assessment in transitioning to the green economy*, Geneva, Switzerland.

Wilson, E. (2010). Scenarios and Futures, *International Association for Impact Assessment (IAIA) Symposium: Climate Change and Impact Assessment*, Aalborg, Denmark.

Wilson, E. and Termeer, C. (2010). Governance of Climate Change Adaptation, *International Conference: Deltas in Times of Climate Change*, Rotterdam, Netherlands.

## Journal Articles

### 2010

Bryson, J., Piper, J. and Rounsevell, M. (2010). Envisioning futures for climate change policy development: scenarios use in European environmental policy institutions, *Environmental Policy and Governance*, 20(5): 283-294.

Durning, B. Carpenter, J, Glasson, J and Butina Watson, G (2010). The spiral of knowledge development – knowledge development in professional planners. *Planning Practice & Research*. 25 (4): 497-516.

Glasson, J. (2010). A new paradigm for Environmental Assessment (EA) in Korea. *Environmental Impact Assessment Review* (30): 90-99.

Therivel, R. et al. (2010). Sustainability-focused impact assessment: English experiences, *Impact Assessment and Project Appraisal*, Vol. 27(2): 155-168.

Weston, J. (2010). EIA Theories - All Chinese Whispers and no Critical Theory, *Journal of Environmental Assessment Policy and Management*, 12, (4): 1-18.

## Spatial Planning Group

### Books

#### 2009

Ward, S. (2009). *Promoting the Olympic City*. Olympic Cities 2nd Edition. J.R. Gold and M.M. Gold. London, Routledge.

#### 2010

Adams, N., Cotella, G. and Nunes, R. (2010). *Territorial Development, Cohesion and Spatial Planning*. Building on EU Enlarged in London, Routledge.

Brownill, S. (2010). London Docklands Revisited; The Dynamics of Waterfront Regeneration' In G. Desfor, Q. Stevens, D. Schubert, eds *Transforming Urban Waterfronts: Fixity and Flow* Routledge, Abingdon and New York.

Carpenter, J. (2010). Integrated Urban Regeneration and Sustainability: Approaches from the European Union, in A. Colantonio and T. Dixon, *Social Sustainability and Urban Regeneration: Best Practice from European Cities*, Oxford: Blackwells.

Sigona, N. (2010). *Gypsies out of Italy! Social Exclusion and Racial Discrimination of Roma and Sinti in Italy Today*. A. Mammone and G. Veltri. London, Routledge.

Simmie, J. (2010). Learning Regions. *Handbook of Regional Growth and Innovation*. R. Martin, P. Cooke, B. Asheim et al. Cheltenham, Edward Elgar.

Simmie, J. (2010). The contribution of clustering to innovation: from Porter I agglomeration to Porter II export base theories. *Handbook of Research on Innovation and Clusters*. E. Elgar. Gloucester: 19-31.

Simmie, J. (2010). The Information economy and its spatial evolution in English Cities. *The Handbook of evolutionary economic geography*. R. Boschma and R. Martin. Cheltenham, UK and Northampton MA, USA, Edward Elgar: 487-507.

Valler, D. (2010). The evaluation of local and regional development policy *Handbook of Local and Regional Development* A. Pike, A. Rodriguez-Pose and J. Tomaney London. Routledge.



Ward, S. (2010). Port Cities and the Global Exchange of Planning Ideas. *Port Cities*. C. Hein. London, Routledge.

Ward, S. (2010). *Transnational Planners in a Post-colonial World Crossing Borders: International Exchange and Planning Practices*. P. Healey and R. Upton, Routledge.

## Book Reviews

### 2009

Jones, T. (2009). Dennis, K. & Urry, J. (2009). After the Car. Polity Press. *Journal of Transport Geography*.

Mbiba, M. (2009). Book - Review: To Subsidise My Income: Urban Farming in an East-African Town. *African Affairs*. 108: 152-153.

Mbiba, M. (2009). Book Review: Re-living the Second Chimurenga: Memories from Zimbabwe's Liberation Struggle by Fay Chung. *African Affairs*. 108(432): 503-504.

## Conference Papers

### 2009

Mbiba, M. (2009). Our Common Interest: The Commission for Africa and its Implications for Development Studies. *International Development Planning Review, 30th Anniversary Symposium*. University of Liverpool, UK.

Mbiba, M. (2009). Urban Planning Responses and Adaptation to Climate Change in Africa: A Review. *International Development Planning Review, 30th Anniversary Symposium*. University of Liverpool, UK.

Smith, P. (2009). A Case Study of Students Accessing Research Data from one of the Emerging Data Observatories. *Learning Through Enquiry Alliance (LTEA) Conference*. University of Reading.

Ward, S. and Brownill, S. (2009). The Idea of Docklands: Conceptions of place and policy transfer. *AESOP Conference*. Liverpool.

### 2010

Brownill, S. (2010). The contested imagery of policy on the move, *AAG Washington*.

Carpenter, J. (2010). What role for social enterprise in regeneration? Keynote speaker at ESRC Public Policy Seminar: Regeneration, Planning and Worklessness 22nd January 2010, *CLG London*.

Silva Dutra de Oliveira, I., Pereira de Souza, M. et al. (2010). A Call for SEA: The Airport of Ribeirao Preto. Transitioning to the Green Economy, *30th Annual Conference of the International Association for Impact Assessment*. Geneva.

Simmie, J. (2010). An Evolutionary Spatial Analysis of the Creation of New Technological Pathways: Clean Energy Technologies. *Energy Group ESRC Conference*. University of Sussex.

Simmie, J. and Carpenter, J. (2010). New Path Creation. *Workshop on New Path Creation*, Trinity College Oxford.

Ward, S. (2010). Gordon Stephenson and Reconstruction Planning 1942-1947. *IPHS Conference*. Istanbul.

## Journal Articles

### 2010

Brownill, S. and Parker, G. (2010). Why bother with good works? The relevance of public participation(s) in planning in a post-collaborative era. Introduction to jointly edited special edition on Rethinking Participation. *Planning Practice & Research* 25 (3) 275-282.

Nunes, R. (2010). Territorial knowledge channels: Understanding and meeting the challenges of territorial cohesion, *Regional Insights*, Vol. 1:1, Regional Studies Association: Seaford.

Phelps, N., Wood, A. et al. (2010). A Post-suburban World? An Outline of a Research Agenda. *Environmental and Planning A* 42(2): 366-383.

Simmie, J. and Martin, R. (2010). The economic resilience of regions: towards an evolutionary approach. *Cambridge Journal of Regions, Economy and Society Advance Access* 3(1): 27-43.

Simmie, J. and Strambach, S. (2010). The Contribution of KIBS to innovation in Cities: An Evolutionary and Institutional Perspective. *Urban Insight*. 6: 51-62.

Valler, D. and Carpenter, J. (2010). New Labour's Spaces of Competitiveness. *Local Economy* (special edition) Thirteen Years of New Labour The Assessment 25(5/6): 438-456.

Valler, D. and Wood, A. (2010). Conceptualizing Local and Regional Economic Development in the United States. *Regional Studies* 44 (2): 139-153.

Ward, S. (2010). What did the Germans ever do for us? A Century of British Learning About and Imagining Modern Planning. *Planning Perspectives* 25(2): 117-140.

## Urban Design Group

### Journal Articles

2010

Cooper, J., Watkinson, D. and Oskrochi, R. (2010). Fractal analysis and perception of visual quality in everyday street vistas. *Environment and Planning B* 37(5): 808-822.

Shiple, R. and Reeve, A. (2010). Evaluating the THI: Measuring the effectiveness of the Townscape Heritage Initiatives in the United Kingdom. *Urban Design International* 15 (4) 221-237.

## Low Carbon Building Group

### Books

2010

Gupta, R. (2009). Reducing carbon emissions from Oxford city: Plans and tools, *Urban Energy Transition*, (Ed.) P. Droege, Elsevier: 491-505.

### Conference Papers

2009

Gupta, R. (2009). A new GIS-based approach to map and reduce energy-related CO<sub>2</sub> emissions from UK dwellings. *Building Simulation 2009: Proceedings of the 11th International Building Performance Simulation Association Conference (IBPSA)*. P. Strachan, N. Kelly and M. Kummert. University of Strathclyde, Glasgow: 2114-2121.

Gupta, R. (2009). Real stories from real buildings: the role of post-occupancy building evaluation. *Urban Sustainability and Green Buildings for the 21st Century*. Delhi India.

Gupta, R. and Chandiwala, S. (2009). Building for the future: Making the UK further education colleges sustainable. *Proceedings of the Oxford Conference 2008: 50 years on - Resetting the Agenda for Architectural Education*, Oxford, UK.

Gupta, R. and Chandiwala, S. (2009). Investigating the potential for achieving low and zero carbon homes in the UK using an interactive Code for Sustainable Homes based toolkit. *Proceedings of the 11th International Building Performance Simulation Association Conference (IBPSA)*, Glasgow.

Gupta, R. and Chandiwala, S. (2009). Post-occupancy evaluation of non-domestic buildings. *RIBA Southeast Conference*. Brighton.

Gupta, R. and Chandiwala, S. (2009). A solutions-based simulation approach to test the technical and economical feasibility of achieving low and zero carbon homes in the UK. *European Council for an Energy Efficient Economy (ECEEE)* 4: 1607-1620.

2010

Gupta, R. (2010). Building performance evaluation for low-carbon refurbishment of a Victorian house in Oxford. Keynote. *Retrofit for the future*. Constructing Excellence Oxford. 27 January 2010, Said Business School, University of Oxford, Oxford.

Gupta, R. (2010). Modelling, monitoring and occupant feedback techniques for large-scale low-carbon domestic refurbishments. Keynote. *Mass Retrofit: green measures on a larger scale*. A Construction Industry Council Southeast Conference, in association with Gateway to SusCon. 11 March, 2010, Dartford.

Gupta, R. (2010). Monitoring for large-scale retrofitting of UK housing. *Oxford Energy Futures*. Conference organised by University of Oxford Continuing Professional Development Centre and Future Energy Group. 11 June 2010, University of Oxford, Oxford.

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