

# Lifelong Learning: What are the needs? A practitioner's perspective

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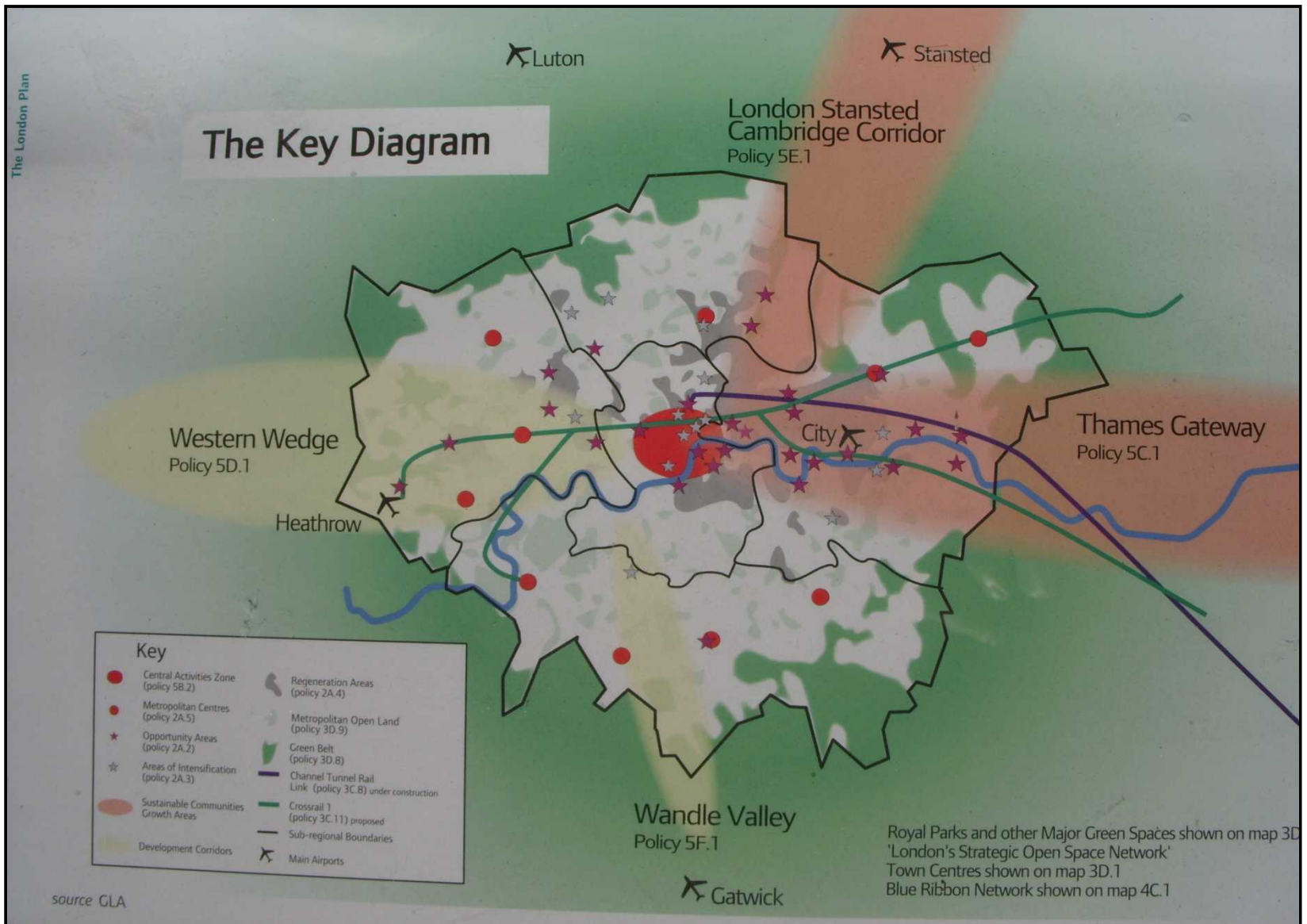
# Bristol, housing from 1805



Could do better?



# The London Plan – Key Diagram





# PINS HQ, Temple Quay, Bristol



# Good enough design?





# Wind Farm, East Riding of Yorkshire



# Sizewell A and B Nuclear Reactors





# ISOCARP – Porto 2009



# YPP Dalian, China



*Sitges andando...*

Plan integral para el  
Centro Histórico

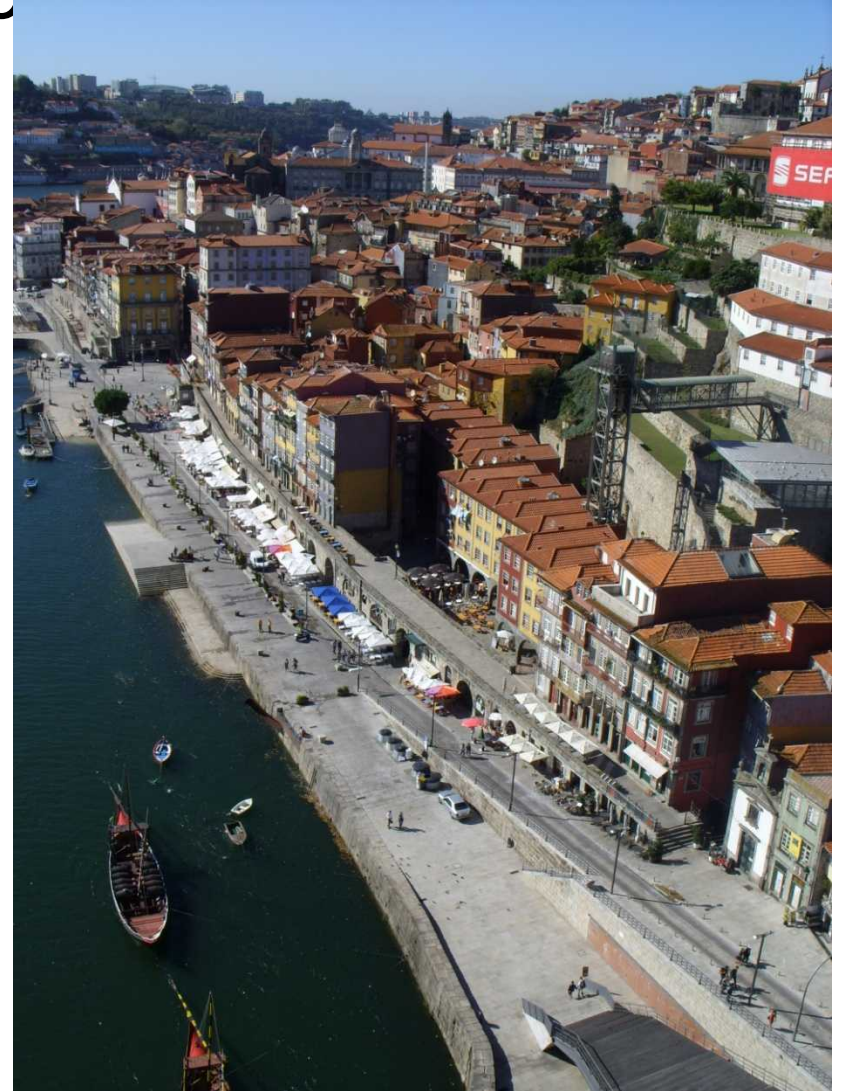
## UPAT Sitges II: Urban Mobility

“Happiness and Quality of the Urban Space”





# ISOCARP's 45<sup>th</sup> World Congress on Low Carbon Cities , Porto, October 2009



# 45<sup>th</sup> ISOCARP Congress, Porto

## Low Carbon Cities

### The Inputs:

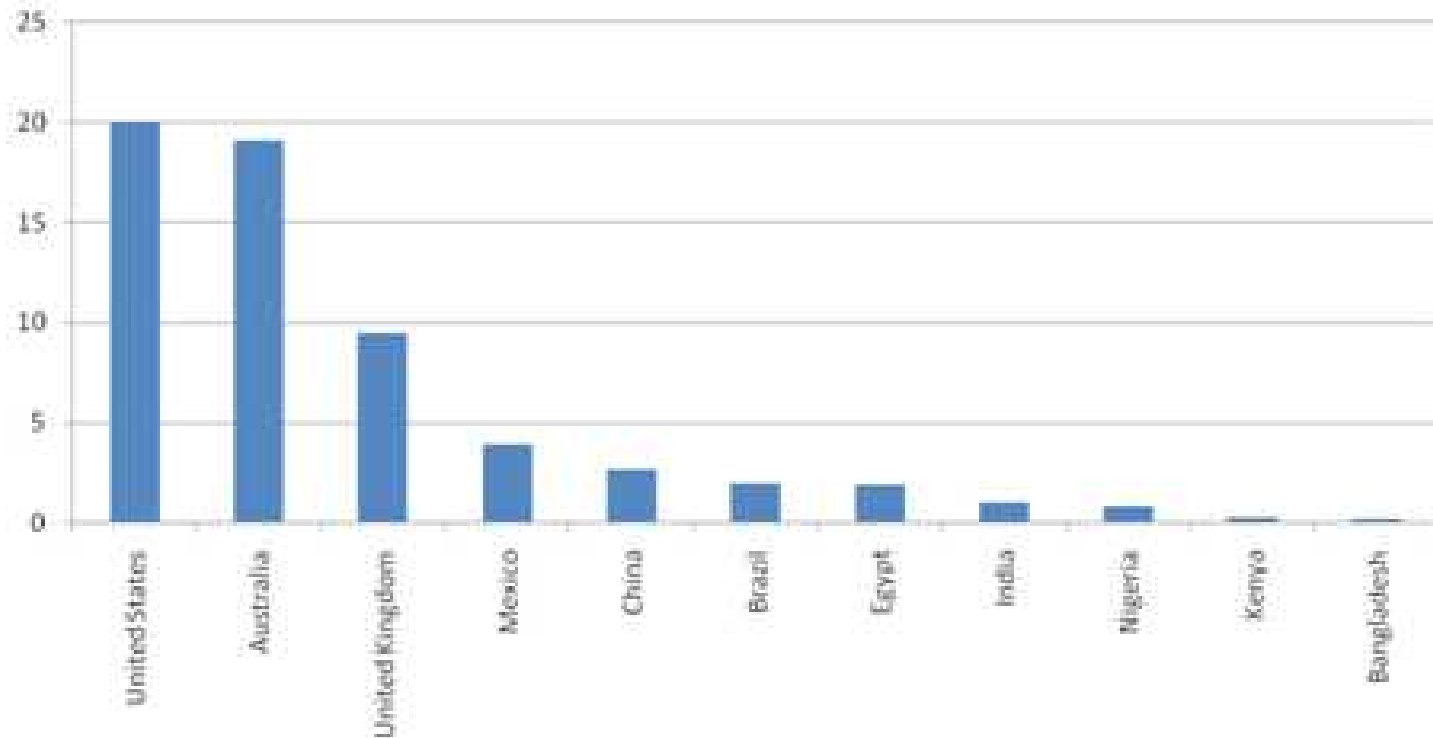
- Six keynote speeches
- Three parallel Technical Seminars – 16 papers
- Five Workshops – about 100 presentations
- Review 05
- ISOCARP Comparative Study
- The YPP events and UPAT reports
- A mass of other inputs
  
- Leading to **Seven Ingredients** for Low Carbon Cities

# Ingredient 1 – Urgency, Leadership and Vision

- Moving rapidly towards a low carbon future;
- Turning the approaches used in the successful low carbon schemes of today into the **mainstream** of tomorrow;
- Identifying and sharing **best practice** on low carbon approaches
- Adopting **long term** visions and trajectories for the spatial planning of cities and regions to secure progressively lower carbon futures



## Carbon dioxide emissions (tonnes per person 2002)



# Ingredient 2 – Strategies for the developed and the developing world

- For the **developed nations** a commitment to secure an at least 80% reduction in carbon emissions by 2050
- In the fast **industrialising developing countries**, a commitment towards emission reduction and low carbon developments
- In the **poorer developing countries**, an emphasis on new planning approaches, including adaptation to protect the vulnerable
- An avoidance everywhere of carbon intensive developments

# Ingredient 5 – Integrated, inclusive planning

- **Spatial planning policies** that integrate land use, transport, energy and waste planning
- An emphasis on the **compact city** but taking into account the particular regional and local circumstances
- Policies that embrace all other aspects of the green and blue environment;
- Policies that aim to secure genuine **GHG savings**
- City policies that are in the context of those for the wider region
- Policies that extend from the City to embrace the **rural hinterland**
- **Energy Planning** at the local level



# King's Cross Central

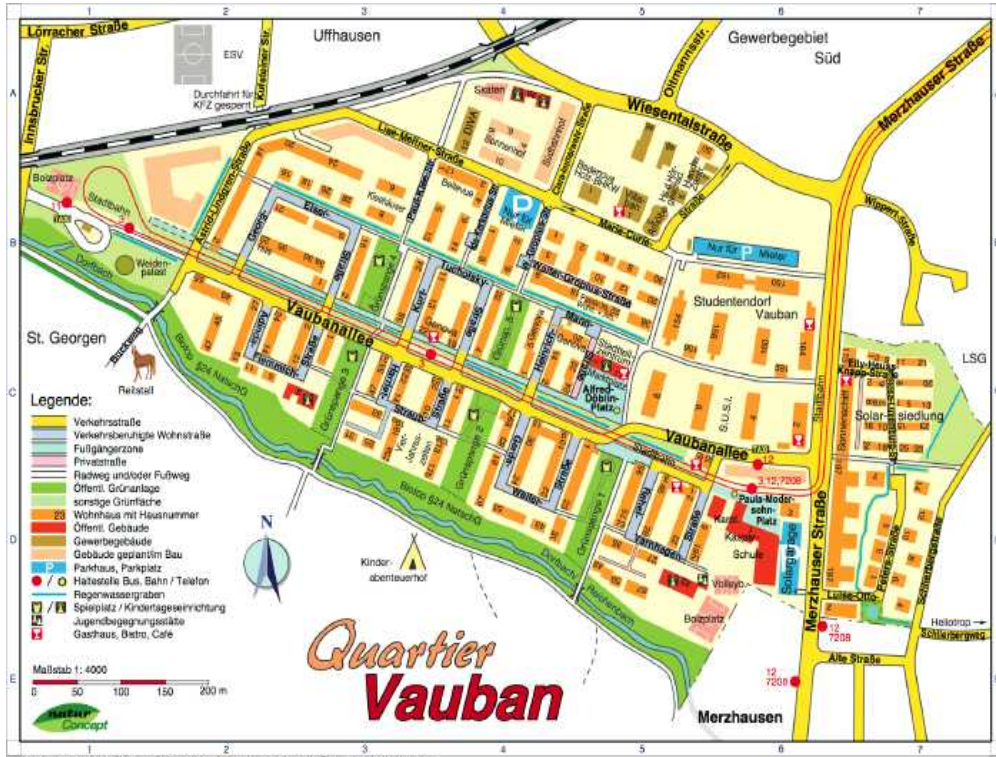


[www.kingscrosscentral.com](http://www.kingscrosscentral.com)





# Urban extensions and new settlements



# Ingredient 6 – Carbon Conscious Design

- Energy efficient, resource conscious cities, neighbourhoods and individual buildings
- Moves towards new development that is energy generating, and that can export low carbon power to other local areas
- Climatic design, borrowing from historic urban patterns, traditional architecture and the focus of making use of trees in public spaces
- Places that are well connected but with reduced dependence on the car;
- Places where networks of open space, landscaping and opportunities for food growing are fully integrated with the built environment







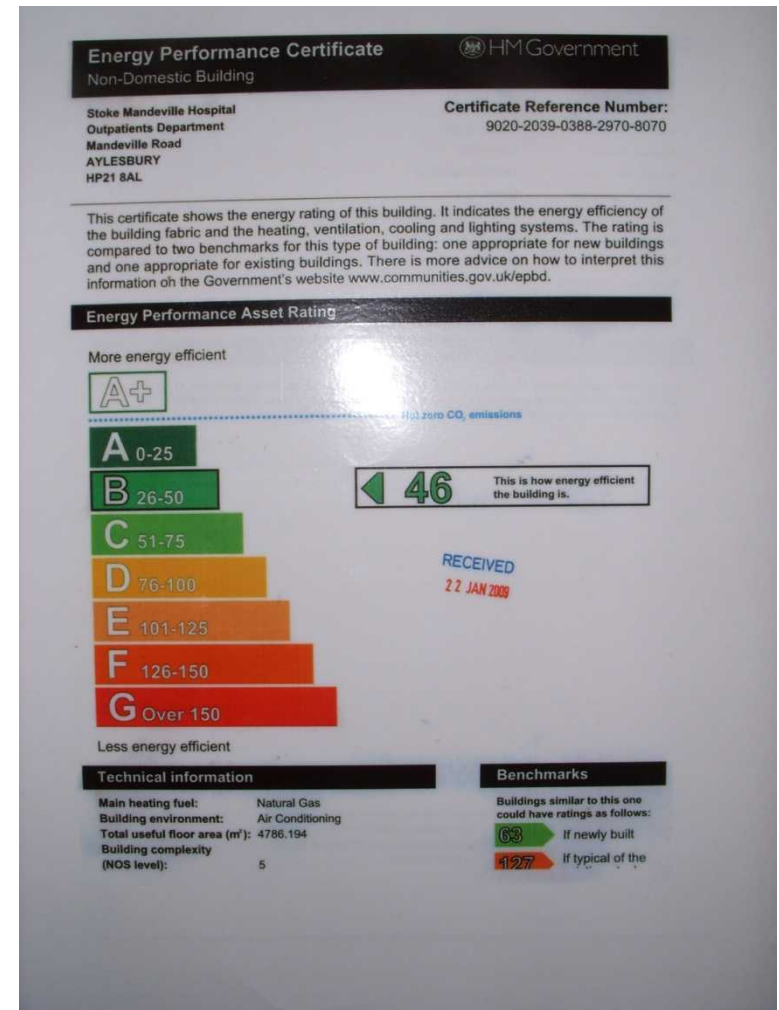








# Energy efficient buildings





**Porto - vital green space**





**Local Food Growing**

# Ingredient 7 – Delivering Low Carbon Cities

- A commitment to climate change adaptation and mitigation policies, energy efficiency measures and greenhouse gas reductions becoming an integral part of spatial planning policies at all levels of governance.
- The **retrofitting** of existing development to secure maximum gains in efficiency against challenging targets that are in line with those set nationally and internationally
- Strategic action to upgrade the efficiency of the existing building stock
- Innovative organisational and funding arrangements to deliver the necessary action programmes.
- Training to secure the necessary skills

# The low carbon agenda – skills list

- Greater understanding and awareness of cc
- Technical knowledge – e.g. EIA and SEA, carbon accounting systems
- Urban design
- Energy – efficiency, renewables, neighbourhood provision
- Transport planning
- Trees and biodiversity/ open space planning
- Local food growing
- Planning for waste and recycling
- Local air quality
- Sustainable drainage
- The ability to connect!
- Leadership/project management



# Istanbul Sunset

