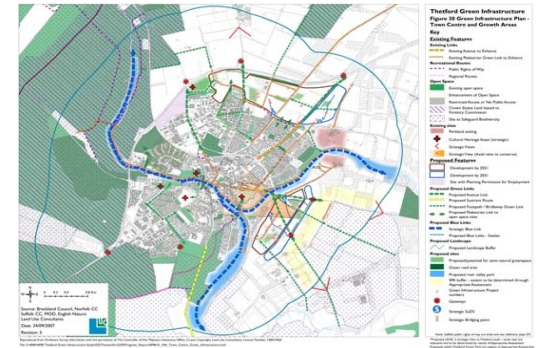


# Designing a System to Offset the Residual Impacts of Terrestrial Development on Ecosystem Service Provision

## Overview of Built Development in the UK – How are Environmental Impacts Taken into Account?

Jon Grantham MRTPI  
Principal  
Land Use Consultants



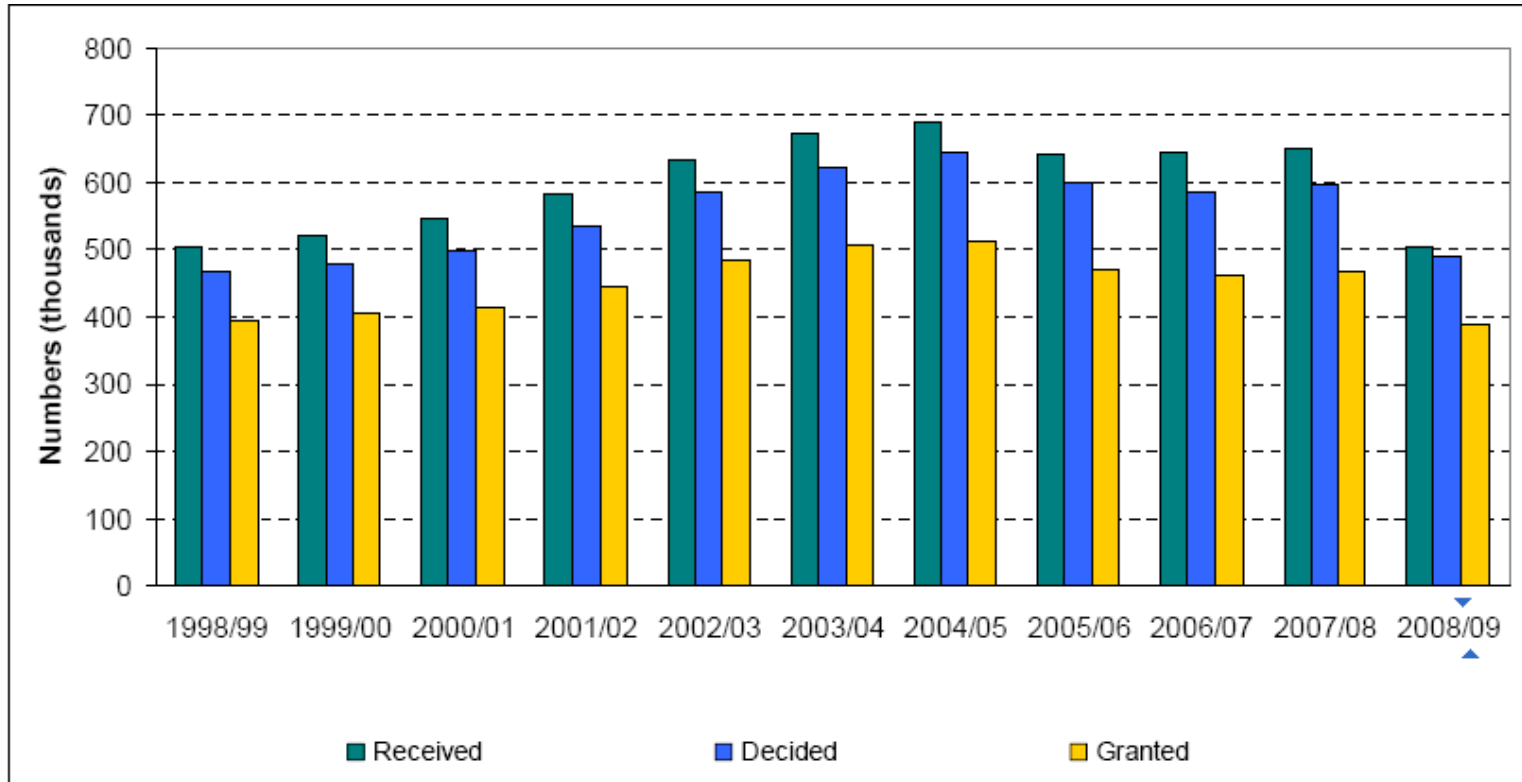
# Designing a System to Offset the Residual Impacts of Terrestrial Development on Ecosystem Service Provision

- Principal types of built development in the UK
- How environment impacts are assessed



# Designing a System to Offset the Residual Impacts of Terrestrial Development on Ecosystem Service Provision

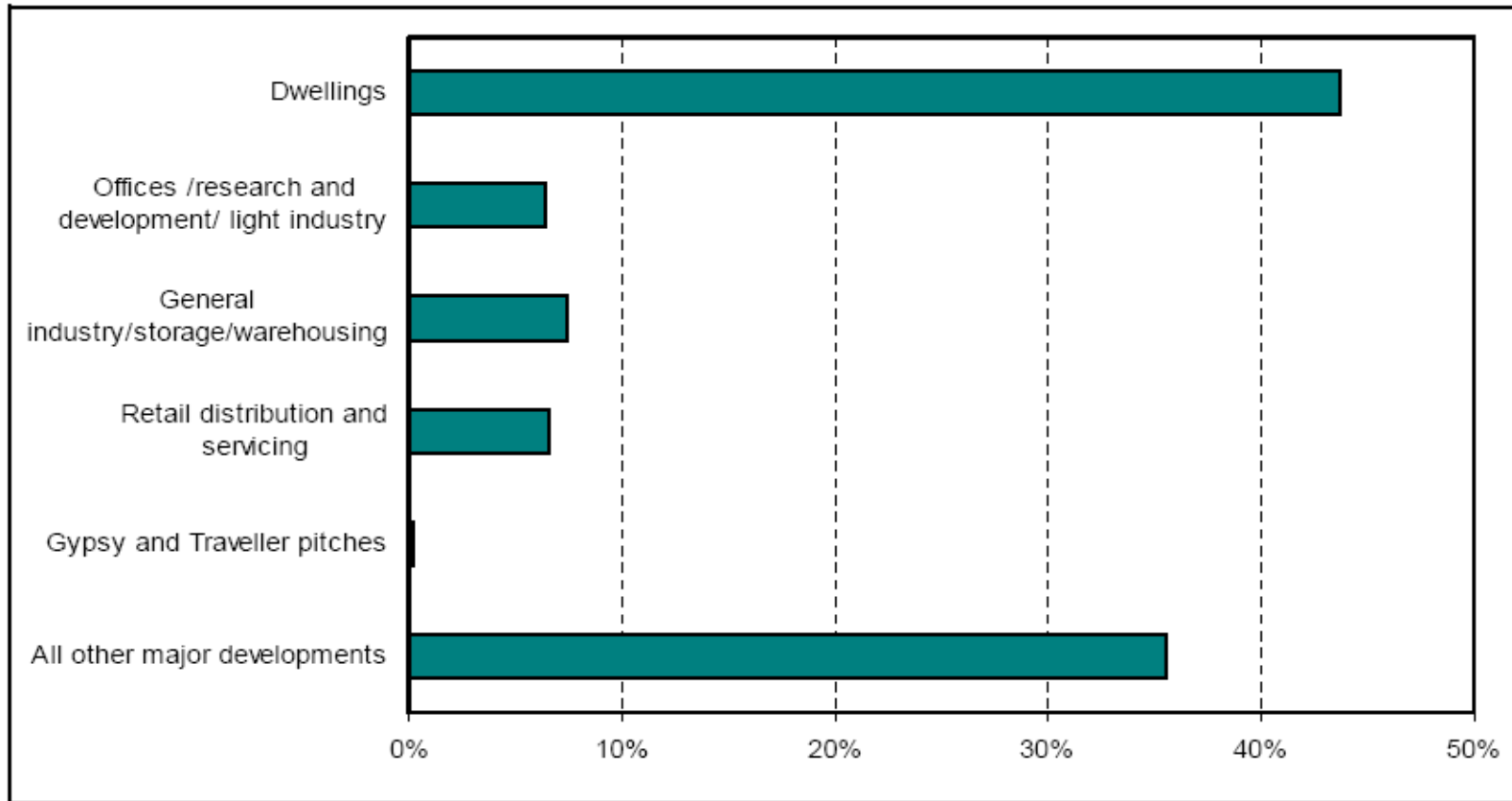
Planning applications received, decided and granted 1998/99-2008/09.



Development Control Statistics 2008-09: England. October 2009. Department of Communities and Local Government

# Designing a System to Offset the Residual Impacts of Terrestrial Development on Ecosystem Service Provision

## Major planning applications by development type 2008/09 in England.



507,000 applications, 15,210 defined as “Major”

June 2009 – June 2010 : 311 applications for “EIA Development”

Development Control Statistics 2008-09: England. October 2009. Communities and Local Government



## National Infrastructure Plan 2010

- Analysis of infrastructure challenges
- Specific policy and regulatory changes to remove barriers
- Each key area of infrastructure – energy; transport; digital communications; flood management, water and waste; intellectual capital

## Planning Regime

- Major Infrastructure Planning Unit (replacing IPC)
- National Policy Statement (NPS) on Energy (Oct 2010)
- NPSs for remaining major infrastructure
- Response on Penfold Review on Non-Planning Consents

# Designing a System to Offset the Residual Impacts of Terrestrial Development on Ecosystem Service Provision

## WIND ENERGY

### Some Key Statistics

- 268 onshore windfarm projects in the planning system (113 in Scotland, 85 in England, 45 in N. Ireland, 25 in Wales)
- 5 offshore windfarms in the planning system (plus Round 3 in preparation, EIA scoping reports submitted)

### Other Considerations

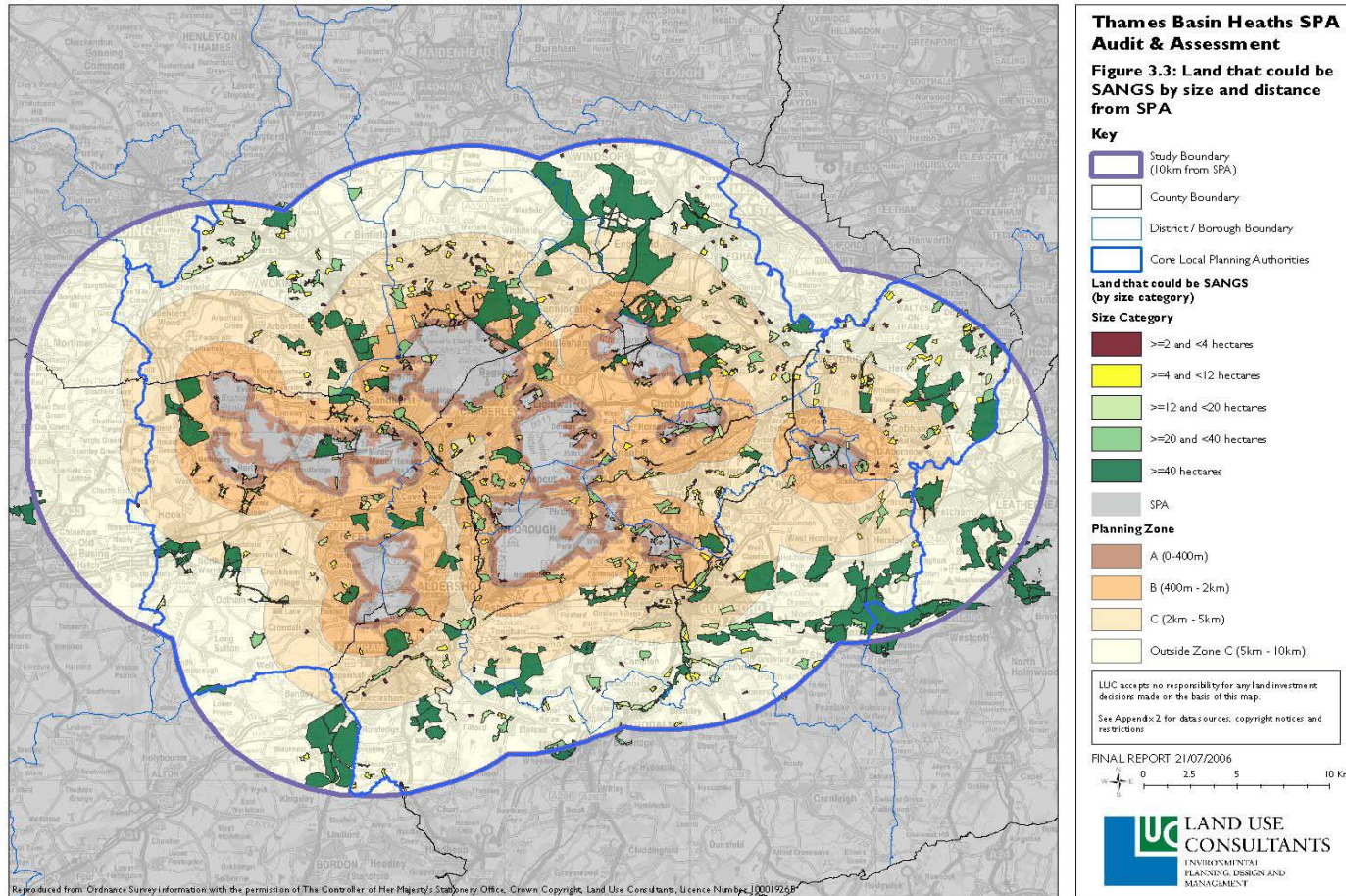
- Major transmission upgrades
- Associated port infrastructure
- Reform of the electricity market
- Demise of Regional Spatial Strategies





# Designing a System to Offset the Residual Impacts of Terrestrial Development on Ecosystem Service Provision

## Assessing Environmental Impacts: HABITATS REGULATIONS



# Designing a System to Offset the Residual Impacts of Terrestrial Development on Ecosystem Service Provision

## Assessing Environmental Impacts: EIA REGULATIONS

- Council Directive no. 85/337/EEC *on the assessment of the effects of certain public and private projects on the environment (as amended)*
- Circular 02/99: Mitigation measures are designed to limit the environmental effects of development

### But, how secured?

- Planning Conditions – must pass the tests
- Planning Obligations
- Environmental Management Plan or System





# Designing a System to Offset the Residual Impacts of Terrestrial Development on Ecosystem Service Provision

## Summary

- Considerable development pressure will continue
- Step change in infrastructure provision
- Pressure on land and resources

## However:

- Systems in place to manage land use change, assess environmental effects before development is permitted and secure mitigation

## But:

- Effectiveness of systems?
- Difficulties in securing mitigation?
- Reform of planning system?