Transport and the Economy: London's Future Needs

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Notas del Presentador

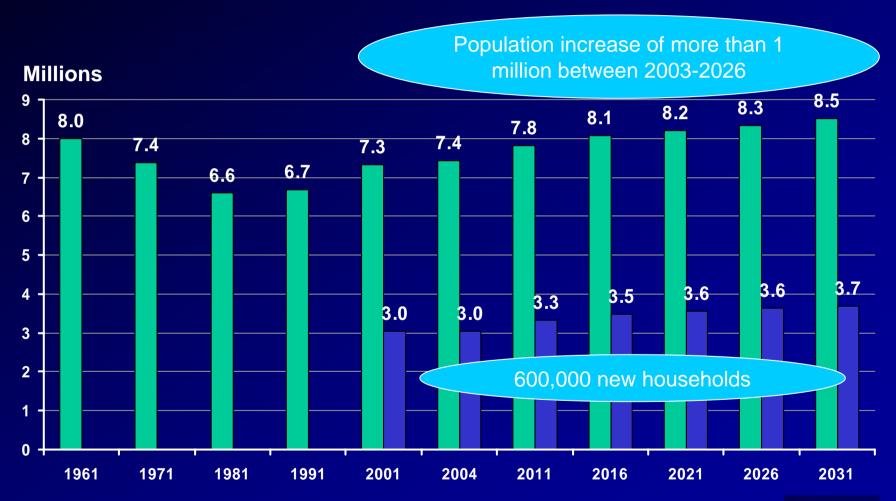
- 1. La Evaluación de la inversión de Cross Rail, 15.000 millones de libras, es única al ir mas alla de los ahorros de tiempo.
- 2. Ademas se implantan tasas especiales que representan el 20% de la inversión
- 3. Aunque las escalas difieran, entendemos que es un ejemplo relevante para Gipuzkoa



- The growth context
- The value of growth
- Transport requirement to support growth
- Meeting the transport requirements
 - Existing infrastructure
 - Demand management
 - New infrastructure
- Funding options

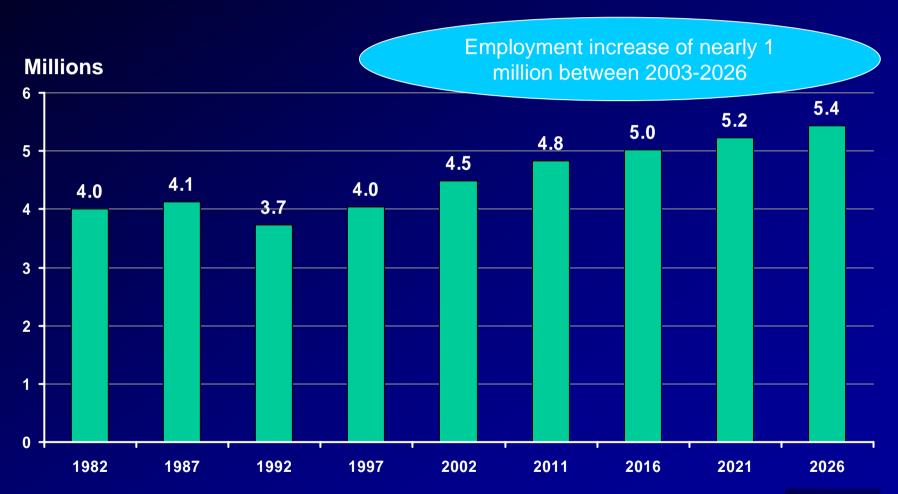


London's population is growing ...



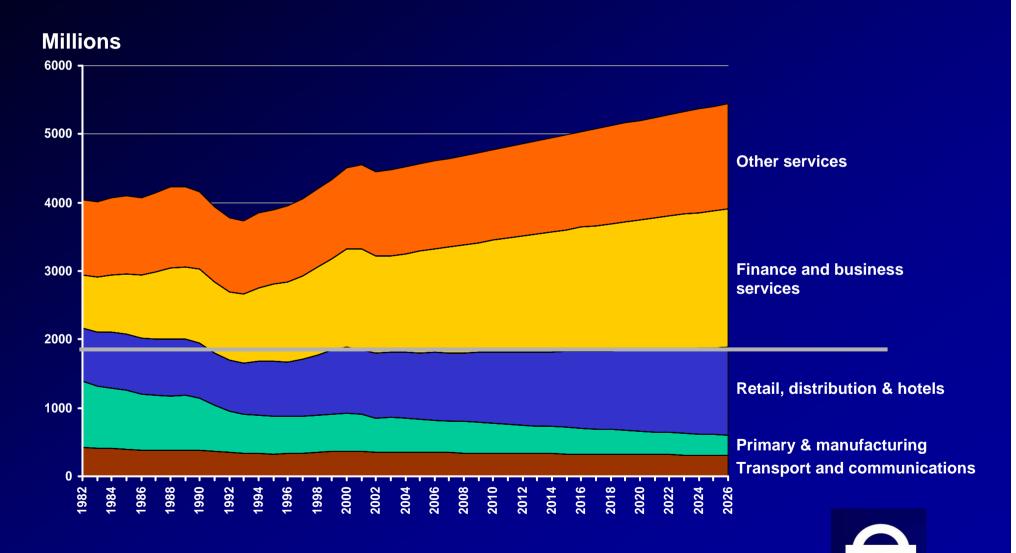


... and employment is growing as well ...

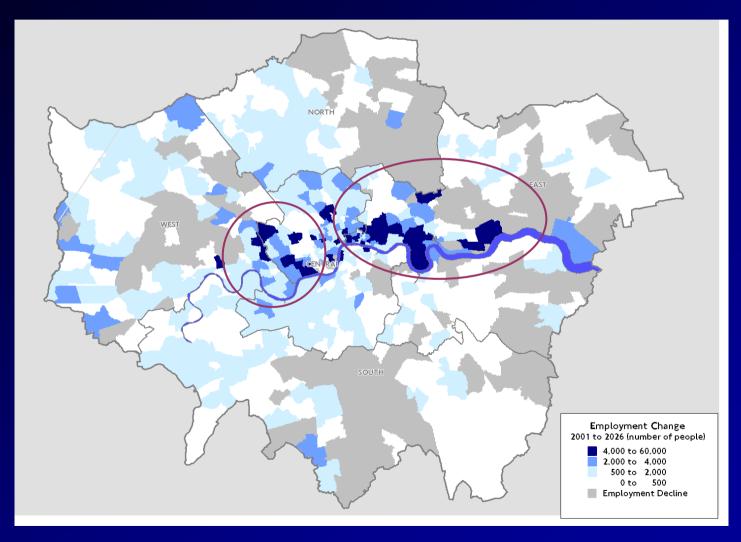




... with growth in the services industries ...



... concentrated in central London



- New jobs in finance and business services
- Employment growth concentrated in the City, West End and Canary Wharf
- New employment creation moving eastward

Dark blue colours show employment increase



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Why should we support growth

- Growth in FBS in London has value because
 - It is a globally distinctive industry
 - It has the highest productivity anywhere in the UK
 - It has the potential for further increasing productivity
 - There is no means of transferring this growth anywhere else in the UK

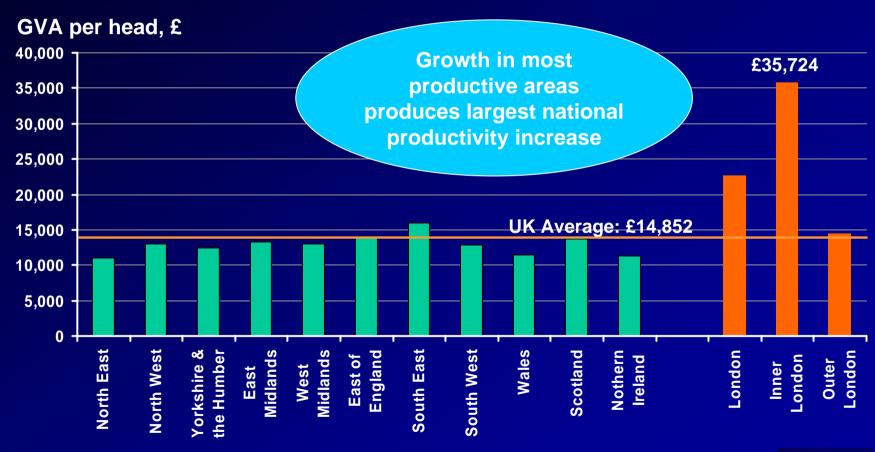


Global distinction

- The Chancellor stated in his speech at the Mansion House that:
 - Financial services are now 7% of the economy
 - Contribute £19 billion to net exports
 - London now home to
 - 20% of cross border lending
 - 30% of world foreign exchange turnover
 - 40% of over-the-counter derivatives trades
 - 70% of the global secondary bond market
 - "People talk of China as the future manufacturing workshop of the world, they call India the future office of the world - I believe that London, like New York, is already the capital marketplace of the world"



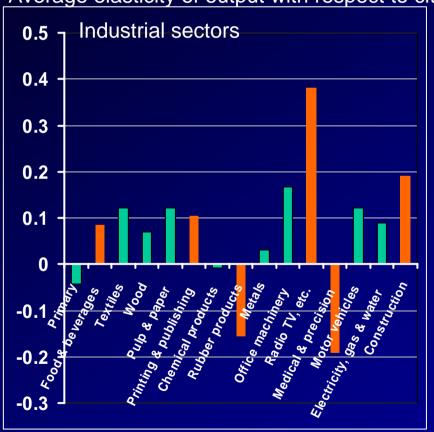
Central London has the most productive economy in the UK

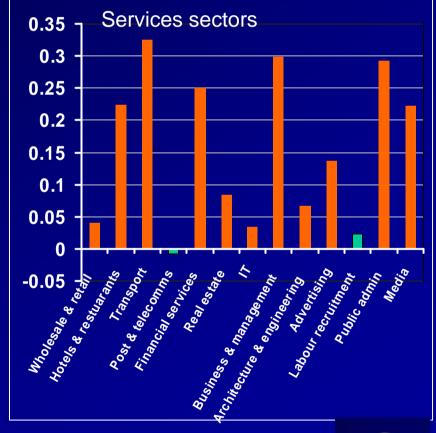




The services industries show the biggest productivity rise from agglomeration

Average elasticity of output with respect to city size, by industry sector*







Source: Dan J Graham, Wider economic benefits of transport improvements: link between agglomeration and productivity. Stage 2 DRAFT Report. Imperial Colle

^{*} Orange bars show elasticities that are statistically significant

Prospects for further productivity growth

- A key question
 - If we know cities benefit from agglomeration is there an upper limit?
 - Are there particular industries where there is an upper limit – a diseconomy of scale?
- Recent research answers this question



Key growth industries show continuing returns to scale even at London's size

Marginal elasticity of output with respect to city size, by industry sector*



Economic implications of growth

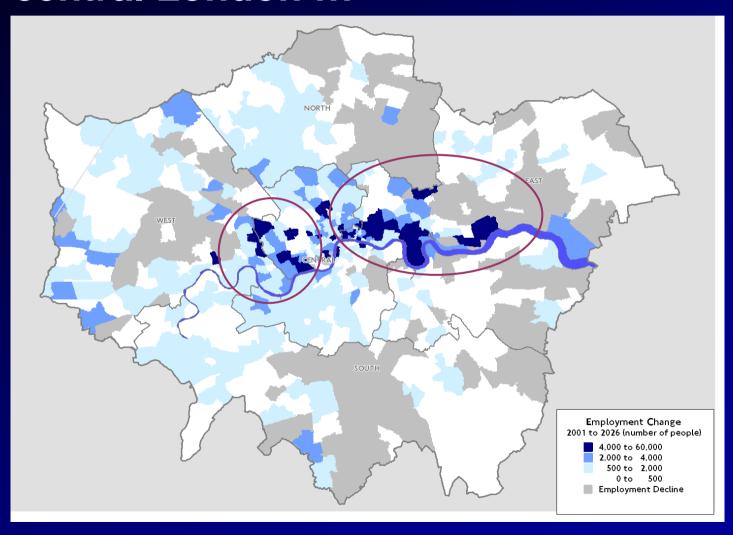
- London is more productive for a variety of understandable reasons
 - Distinctive, high value industries
 - Ability of London's employers to attract people with high levels of skills and education
- But, there are other factors that are important in making London successful
 - The services industries in London are also productive due to close clustering
 - Access to wide labour markets is an important determinant to employers' willingness to locate in central London
 - Access to housing is essential to widen and deepen labour markets



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While employment growth is concentrated in central London ...

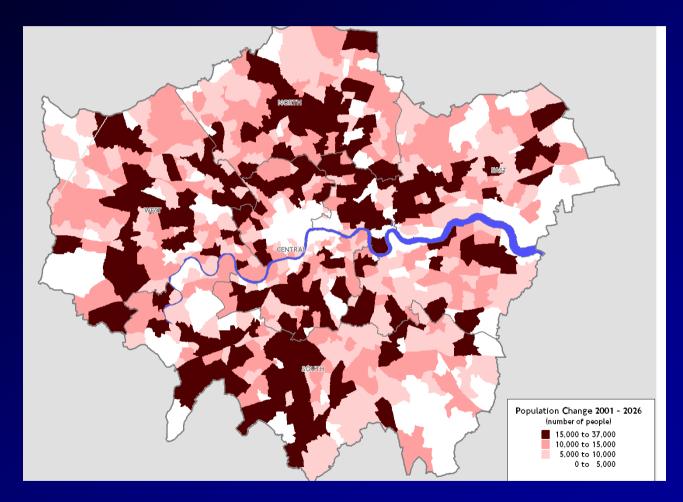


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Dark blue colours show employment increase



... population growth is spread across London ...



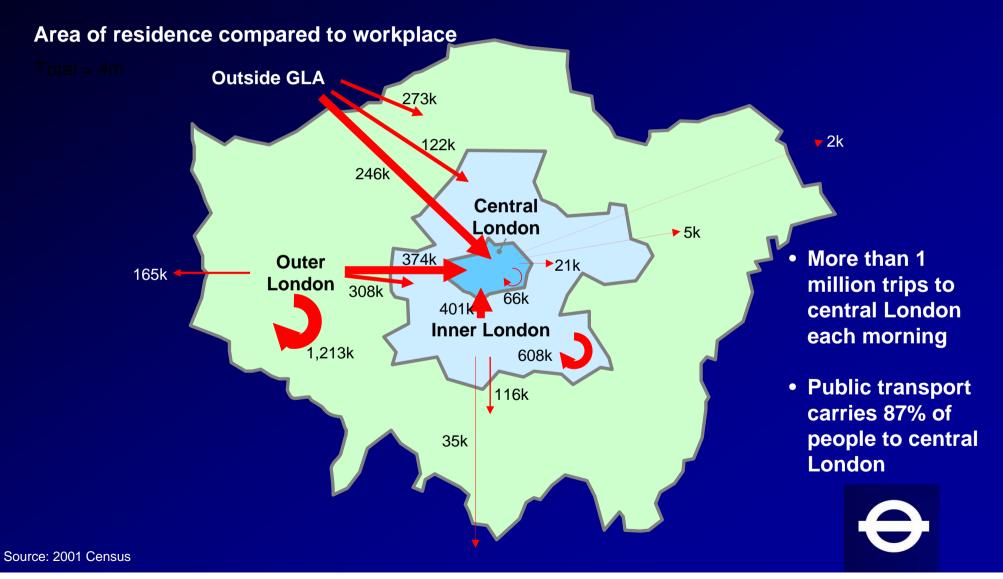
- Population growth in central London constrained by planning
- Opportunities to make use of brownfield land for housing

Dark red colours show population increase

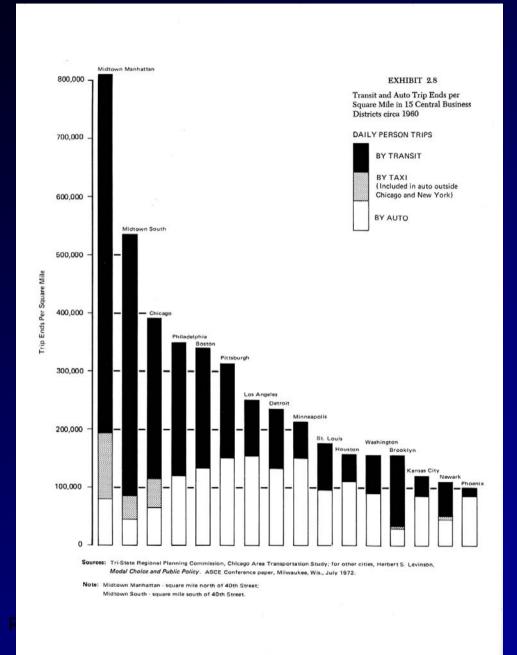
... means further demand for commuting to central London



Growth patterns intensify existing radial transport demand



NOTAS DEL PRESENTADOR



- El Transporte Publico permite una gran densidad de empleo que es imposible de servir mediante el automovil.
- Este grafico muestra los viajes atraidos por milla cuadrada (1.6 x 1.6 kms2) en distintas ciuddes americanas.
- En negro viajes en Transporte Publico, en gris en taxi, y en blanco en coche.
- Se aprecia con claridad los limites de ciudades que dependen del automovil, a pesar del recurso de ultima hora al coche como Los Angeles, Detroit, etc

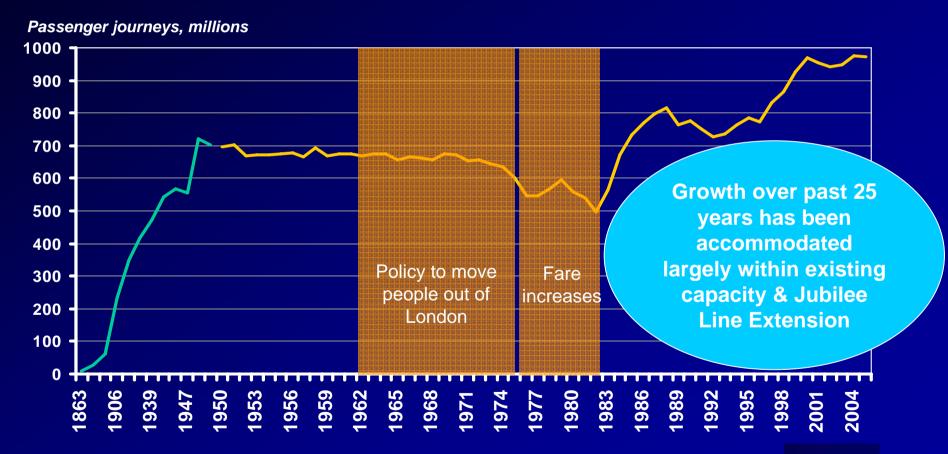
Fuente: Mr. Jeffrey M. Zupan, antiguo Director RPA, NY - Presentacion en el M.I.T. - Speaker Series

Demand on transport network

- Population and employment growth creates further demand on public transport network
- Road space essentially constrained
- Environmental costs of use of motor car means continued and probably intensified restraints
- All this comes on the back of very high growth in public transport usage

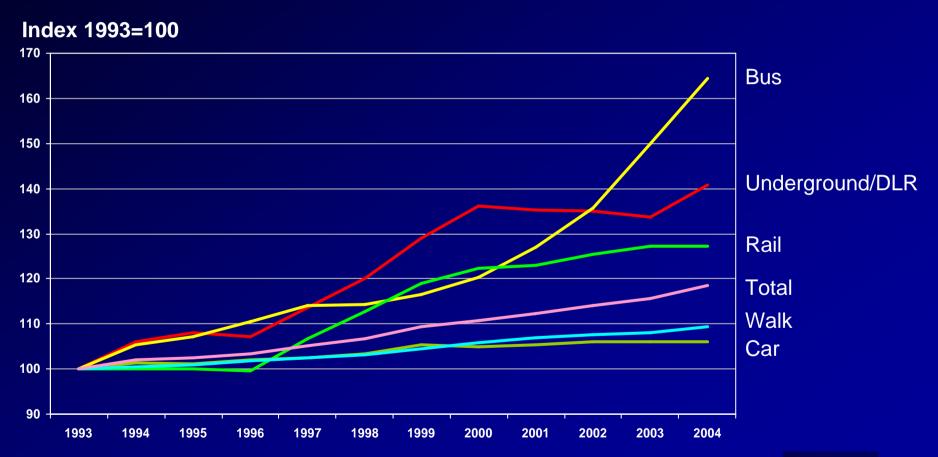


Underground usage at historical highs ...





... as is usage on other public transport modes





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Central London capacity constraints

Comparison of morning peak hour on rail services to Zone 1 cordon without Crossrail

	2001			2016		
	Capacity*	Demand	Ratio	Capacity*	Demand	Ratio
LU	217,000	231,400	1.07	265,300	318,100	1.20
NRN	224,500	232,500	1.04	260,300	264,400	1.02
DLR	4,900	5,300	1.09	8,400	9,500	1.13
Total	446,500	469,400	1.05	534,100	592,000	1.11

- Data shows increasing intensity of usage overall despite assumptions of capacity increases. Does not assume Crossrail
- Some of the capacity growth is not likely to materialise

^{*} Capacity defined as passenger guidance capacity (PGC), roughly 1 standing for each seated person on Tube; PGC seen as upper limits for reliable operation



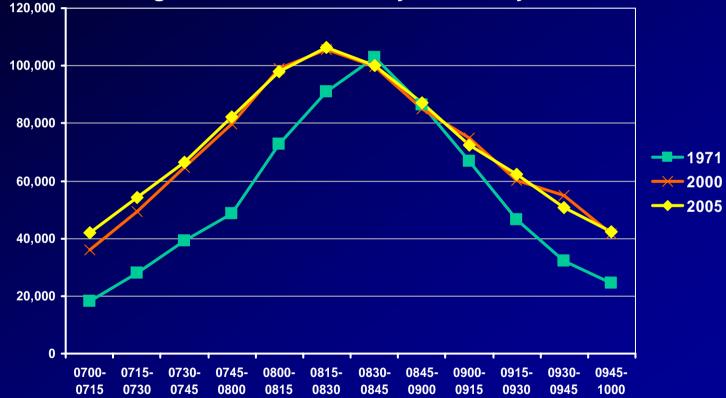


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Demand responses are already evident





Limited scope for further demand adjustment
Existing response already takes into account flexible working patterns

- Crowded conditions on the Tube during peak
- Flexible working and relaxed starting times
- Structural change in nature of employment – more services and less manufacturing

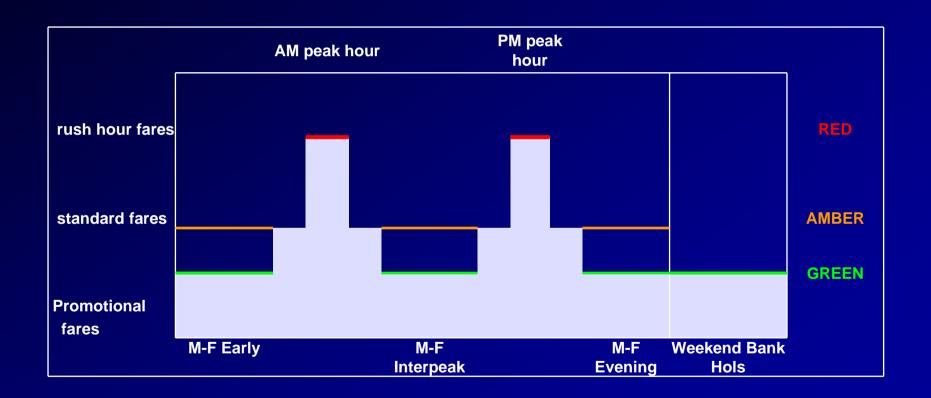


Demand management

- There is a belief that demand management will offset the need to add capacity on the public transport network
- Demand management on the public transport network would have to take the form of peak pricing



A potential model for demand management





Potential value of demand management

- Difficult to assess with limited evidence but assessment done on the basis of
 - Oyster Pay As You Go
 - c2c peak fares until January 2006
 - Academic literature on transport behaviour
 - Willingness to pay survey data
- Potential impact of a 30% fare increase is of the order of
 - 2.5% on national rail (less in central London)
 - 5% on London Underground for journeys starting in or beyond Zone 3 (less in central London)



Demand management

- Nevertheless, demand management has virtues and should be pursued
- ... but demand management also has costs
 - Cost to the economy of forcing people to travel at times other than their desired time
- Most importantly, we need to realise the relatively small scale of the opportunity for demand management



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New infrastructure will be needed

Policy priorities

 Need to now discuss options for growth since maintenance issues are settled

New infrastructure

 Oyster provides enabling technology

Demand management

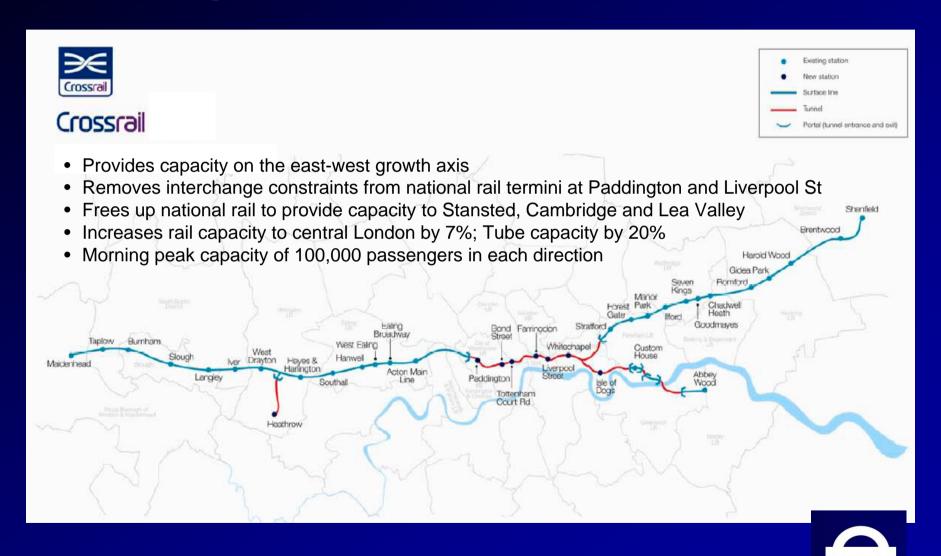
Upgrading existing infrastructure

- Commitment to PPP provides stable long term investment into the Tube
- Bus network well supported
- Investment beginning to go into London Rail

Time



The shape of new infrastructure



Crossrail: business case and benefits

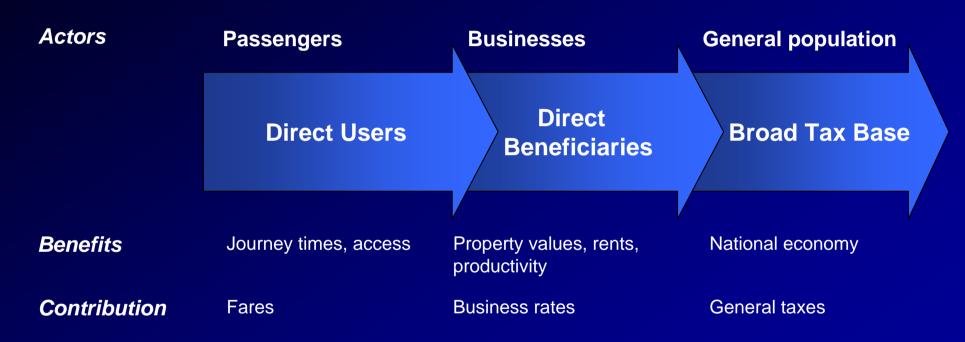
- Crossrail is unique among large infrastructure projects with a
 - Very attractive benefit cost ratio of 2.6:1
 - GDP benefits of £30 billion
 - Incremental tax to exchequer of £12 billion
- But while Crossrail's benefits are huge the costs are staggering
- Need to move away from traditional models of funding



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So how do we fund infrastructure



Tapping the middle area to support investment will be a significant advance in transport funding



Addressing productivity through local government

Lyons • Provide po

- Provide powers for tapping local benefits
- Create space for local government to lead on local transport

Growth

Transport investment

Local funding

Eddington

- Target investment to projects that have the largest economic value
- Most such projects are related to urban transport or freight movement

National funding

Local priorities,
Accountability

Place shaping

The most important practical step is to allow local government some powers over business rates

UK Economy

Just 25 years ago ...

- Canary Wharf in 1980
- Disused docks
- Job losses





Transport driven growth in London

- Canary Wharf in 1992
- DLR open to Bank
- DLR
 extension to
 Beckton
 under
 construction
- Jubilee Line Bill in Parliament





£3.5bn investment : £22 billion value

- Canary Wharf today
- Jubilee Line Extension open – and full!
- 80,000 jobs in Canary Wharf
- Office development gathers pace





What the future offers

- Canary Wharf in the future
- 220,000 jobs possible in the area, but
- Needs Crossrail
- Huge potential value waiting to be unlocked throughout central London



Conclusions

- Growth in London has huge economic value
- ... but the growth poses significant transport challenges in
 - Opening up new areas for housing
 - Providing capacity for travel to central London
 - Opening up areas for high-quality office development
 - Easing the movement of people within central London
- The investment required is onerous but can partly be funded by local taxes
 - The most promising avenue is through looking at relatively simple modifications to business rates





Mikel:

Insísteles por favor que también en Donostialdea se pueden beneficiar de la "aglomeración" de actividad económica. Especialmente al lograr, gracias a su Tren de Alta Velocidad, una importante masa critica de residencia y empleo en sus tres capitales.

Transmíteles también que el reto mas importante para ellos es encontrar ese nicho de actividad económica que sea coherente con su trayectoria, su potencial y sus activos, a fin de consolidar su capacidad competitiva a escala local, europea e internacional.

Shashi



Notas del Presentador

- Al examinar el contexto de Londres, podemos concluir que nuestro mayor reto no es precisamente la financiación, sino ...
 - La movilización del tejido empresarial, y otros sectores sociales y económicos, es necesaria para aportar la diversidad de puntos de vista y enfoques
 - La autorregulación y colaboración con la Administración en un camino común que nos permite seguir reinventando nuestra Economía



De Fred Salvucci... GOVERNMENT /PRIVATE RELATIONSHIP

GOVERNMENT PRIVATE	Honest & competent	Honest & incompetent	Dishonest
Honest & competent			
Honest & incompetent			
Dishonest			



De Fred Salvucci... NATIONAL/LOCAL GOVERNMENT RELATIONSHIP

GOVERNMENT		Honourable &	Honourable &	Dishonourable	
LOCAL	NATIONAL	competent	incompetent		
Honourable competent	&				
Honourable incompeten	_,				
Dishonoura	ble				

