



isboa Metrópole Central ou Periférica ?

Outubro'08





O **M**undo **não** é plano!

- população e as actividades económicas mais competitivas e inovadoras concentram-se num reduzido número de metrópoles e Mega-Regiões
- ■Com a **globalização** económica esta **tendência** para a **concentração** tende a desenvolver-se e a consolidar-se
- ■Com ela acentuam-se as diferenças regionais e aumentam os problemas de inserção no mercado global



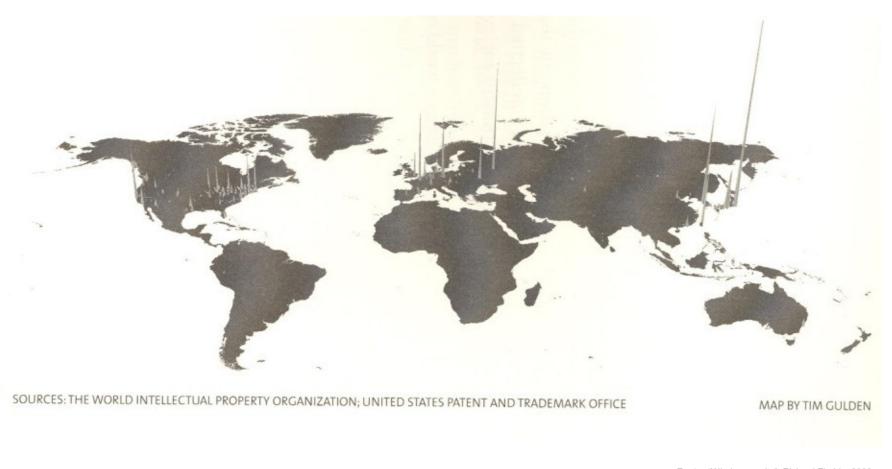
Economic activity in a spiky world



Fonte: "Who's your city", Richard Florida, 2008



Innovation in a spiky world



Fonte: "Who's your city", Richard Florida, 2008



Economic activity

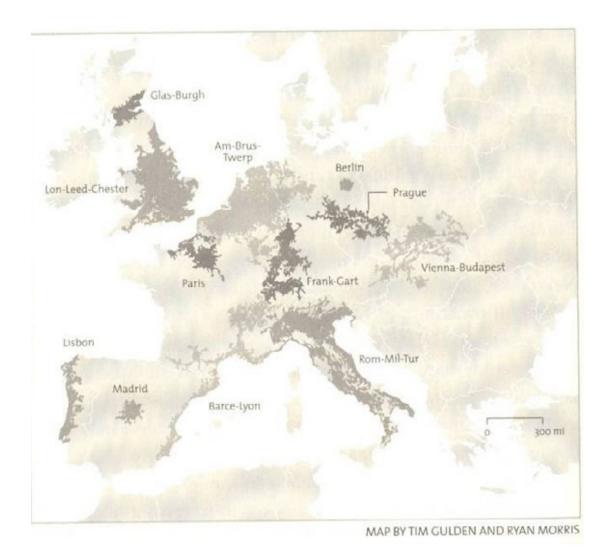
→The World's **ten** largest mega-regions in terms of economic activity (or LRP), which house approximately 416 million people or 6.5% of the world's population, account for **43**% of **economic activity** (\$13.4 trillion), **57**% of **patented innovations**, and **53**% of the **most-cited scientists**.

→The top **twenty** mega-regions in terms of economic activity account for 10% of the population, **57%** of **economic activity**, **76%** of **patented innovations**, **76%** of the **most cited-scientists**.

→ The top **forty** mega-regions in economic activity, which make up about 18% of the world's population, produce 66% of **economic activity**, 86% of **patented innovations**, and house 83% of the **most cited**
scientists.



Mega Regions of Europe



Fonte: "Who's your city", Richard Florida, 2008



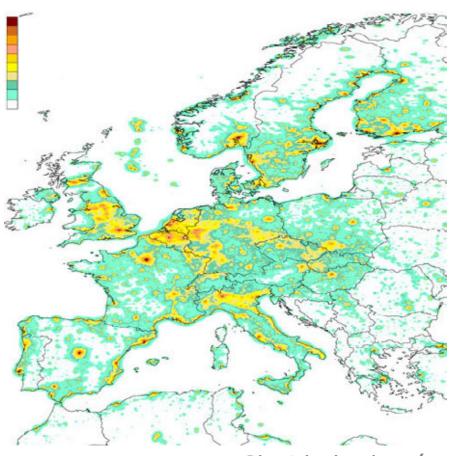
• a rede urbana **Europeia** e a **Península ibérica**





Uma nova geografia para a **Europa**

A Europa na era da urbanização global!



Claridade do céu

Luzes na noite



Headquarters of transnational firms



Number of headquarters







no data

Advanced services firms



Number of offices





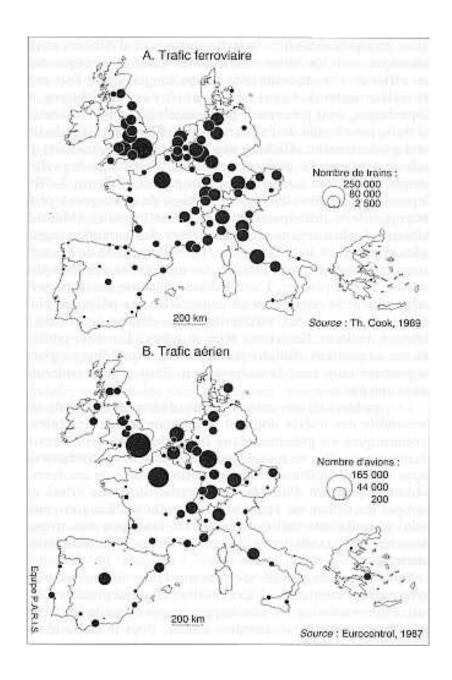




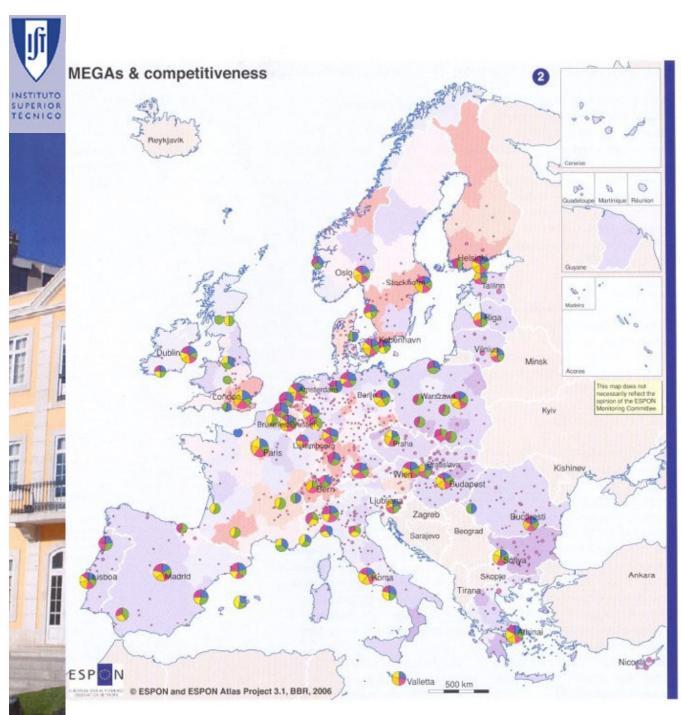
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Tráfego médio anual, em cidades europeias



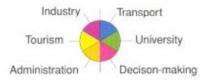
Fonte: "Le système des villes européennes", Cattan, Pumain, Rozenblat, Saint-Julien, Anthropos, Paris, 1994.



Additive combination of standardised R&D-indicators: personnel total, personnel in BES, expenditure on R&D (regional average of ESPON countries = 0)

up to -1,0 -1,0 up to -0,5 -0,5 up to 0,0 0,0 up to 0,5 0,5 up to 1,0 1,0 and more

Metropolitan European Growth Areas (MEGA) by functional importance of global, European, national and transnational significance



Size according to average value of related significance of functions

Decision-making functions outside MEGAs by significance

- National/transnational significance
- Regional significance
- Local significance

no data

© EuroGeographics Association for administrative boundaries Regional level: NUTS 2

Origin of data: R&D: ESPON Project 3.1, BBR & ECOTEC; functional importance of MEGAs: ESPON Project 2.4.2, BBR; function outside MEGAs. ESPON Project 2.4.2, BBR, MEGA definition: ESPON Project 1.1.1, Nordregio

Source: ESPON database



At/antic Sunbell

Source: After RECLUS, 1989

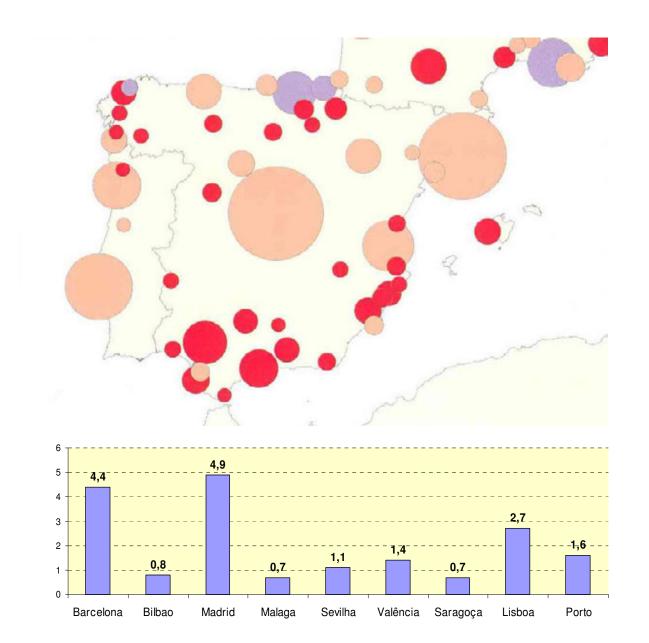
Figure 7.4 The 'Blue Banana'. The most likely scenario of regional development in Europe looks like this map. There will be a wide curved zone of intense development stretching from south-east England across the Channel (via the Channel Tunnel) through Benelux, the south-west of Germany and Switzerland to Lombardy (the 'Blue Banana'). There it meets with another growth zone developing along the Mediterranean down to Barcelona and Valencia (the 'Sunbelt'). With the exception of the Île de France, even established economic centres outside these two zones will be at a relative disadvantage.

A armadura **urbana** da **União Europeia**

Fonte: "The Geography of Europe's Futures", Ian Masser, Over Svidén, Michael Wegener, Belhaven Press, 1992, London, p. 98.



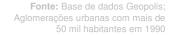
áreas Metropolitanas na Península Ibérica





(milhares de habitantes)

4500

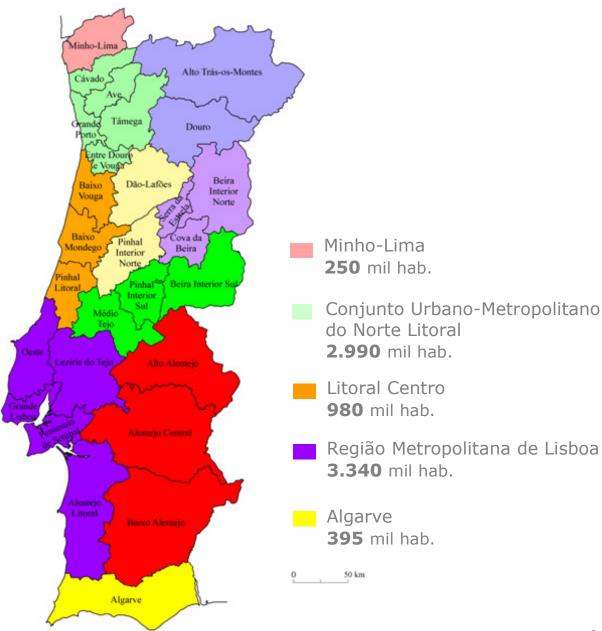




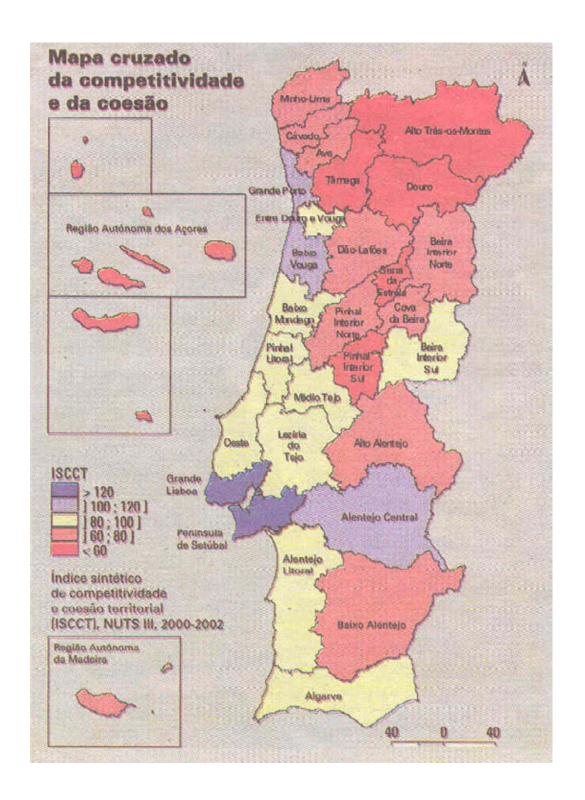
Concentração Espacial da População

Total 8 milhões hab. 76% do País (2001)

Fonte: SIG PNPOT, 2004

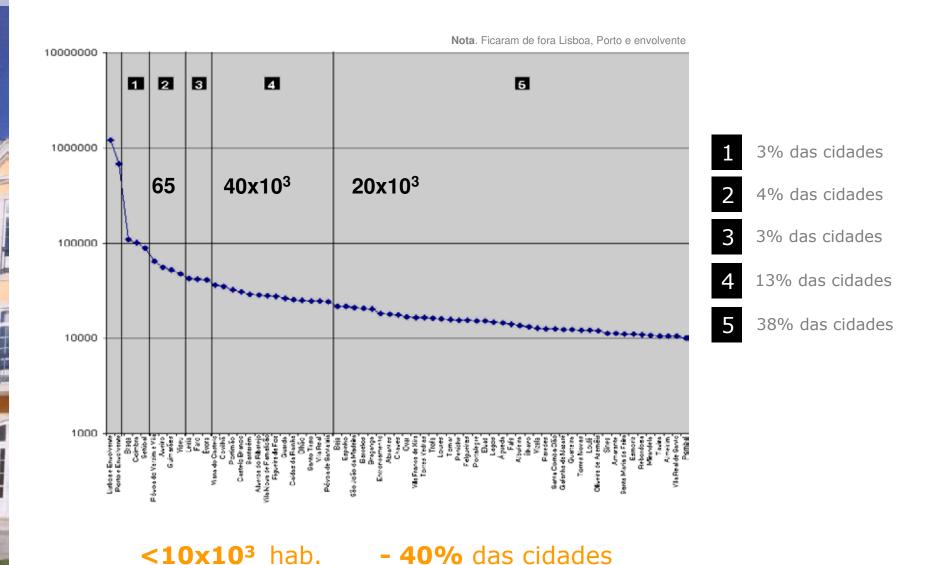








Distribution of Resident Population by continental Cities



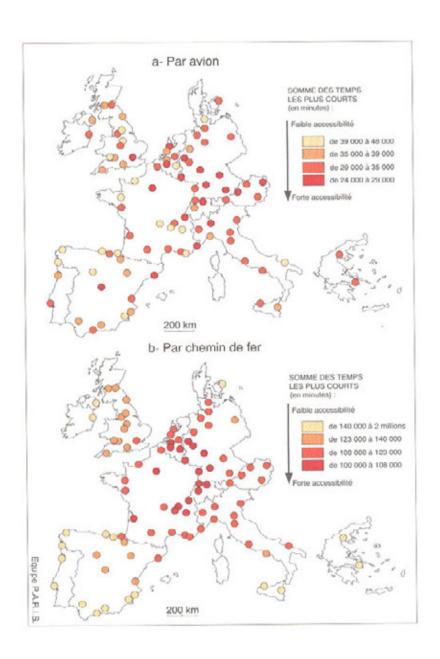
2 • a integração de Portugal nas redes transeuropeias de transportes







The accessibility of cities



Fonte: "Le système des villes européennes", Cattan, Pumain, Rozenblat, Saint-Julien, Anthropos, Paris, 1994.





Potential multimodal accessibility 2001 (ESPON space = 100)



Relation of economic performance and location

GDP Index very low compared to accessibility index: strong and clear underperformance

GDP index very high compared to accessibility index, strong and clear overperformance

City network daily accessibility by air between 72 Metropololitan European Growth Areas (MEGA), 2003

A ---- B Return trips possible in both directions

Origin of data: ESPON Project 1.2.1,

multimodal accessibility + Économic performance and location:

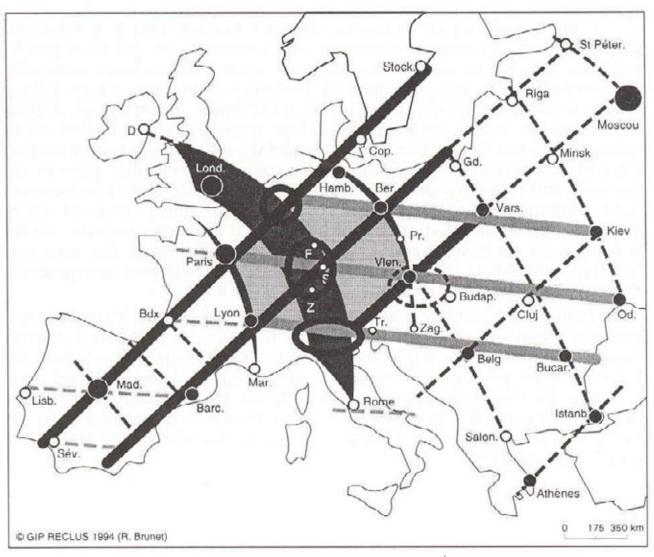
Spiekermann & Wegener (S&W); daily accessibility by air: INRETS/CESA

Source: ESPON database

[©] EuroGeographics Association for administrative boundaries Regional level: NUTS 3



Proposta de rede urbana europeia mais equilibrada



Fonte: "Urban networks in Europe", Ed. D. Pumain e T. Saint-Julien, Éditions John Libbey Eurotext, Paris, 1996.



2020: Rede de Alta Velocidade Ferroviária



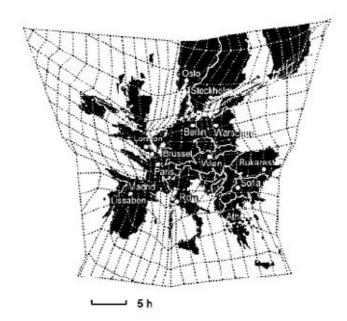
Fonte: "High speed trains in Europe", CCFE-CER-GEB, 2002.



Redução do tempo-distância





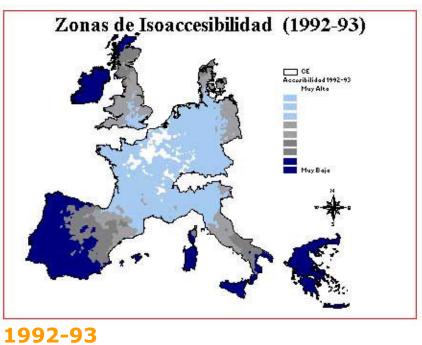


2010

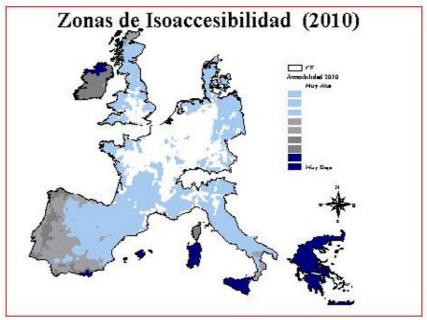
Fonte: "ACESSIBILITY AND ECONOMIC DEVELOPMENT IN EUROPE"; Vickerman & Spiekermann & wegener, 1997



Zonas de iso-accessibilidade

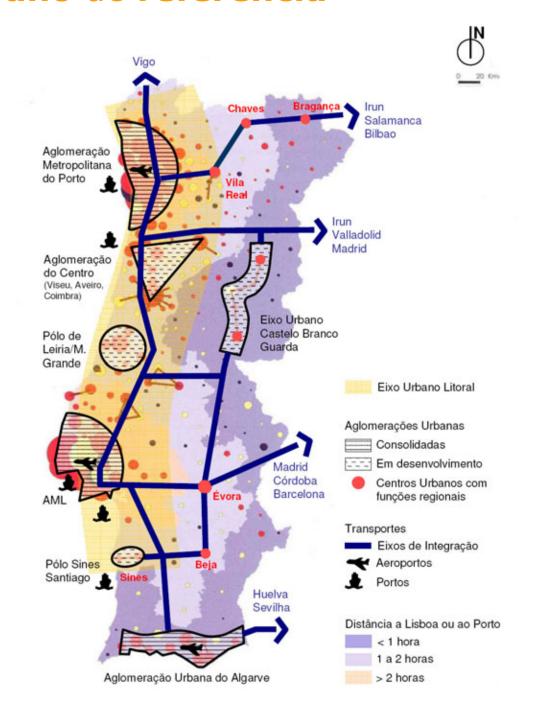






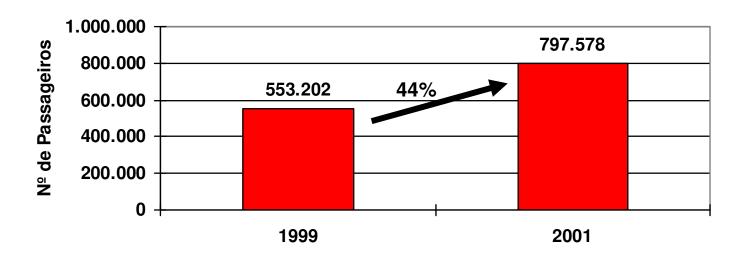


modelo urbano de referência

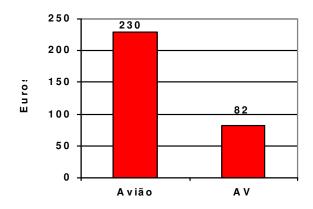




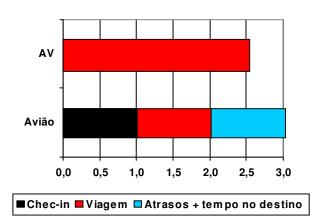
Tráfego Aéreo de Passageiros



Preço dos bilhetes Madrid-Lisboa (a custos do ano 2002)



Tempo de viagem Madrid-Lisboa (horas)





Tráfegos e Quotas de Mercado

em algumas ligações Europeias

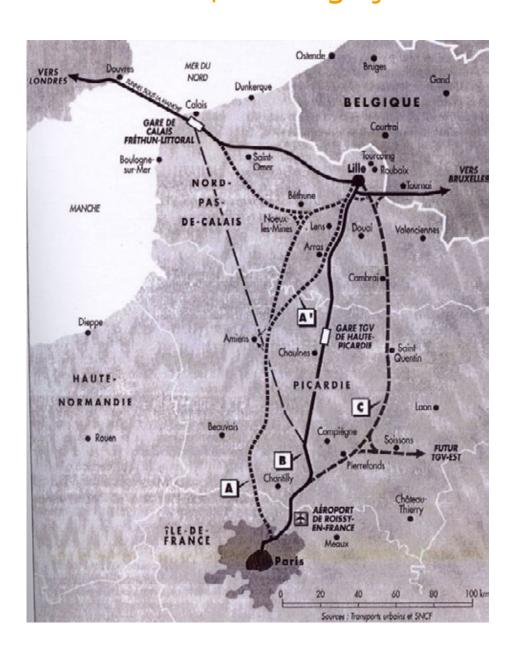
Origem - Destino	Tráfego Passageiros	Tempo de percurso	% Quota de Mercado
Paris - Lyon	19x10 ⁶ /ano	2h00	92%
Paris - Bruxelas	6x10 ⁶ /ano	1h25	55%
Paris - Londres	8x10 ⁶ /ano	2h35	70%
Madid - Sevilha	6x10 ⁶ /ano	2h30	83%

Fonte:

"Ville & Transports", 4 Mai 2005
"Ville & Transports", 9 Nov 2005
Internet (SNCF, AVE, etc.)

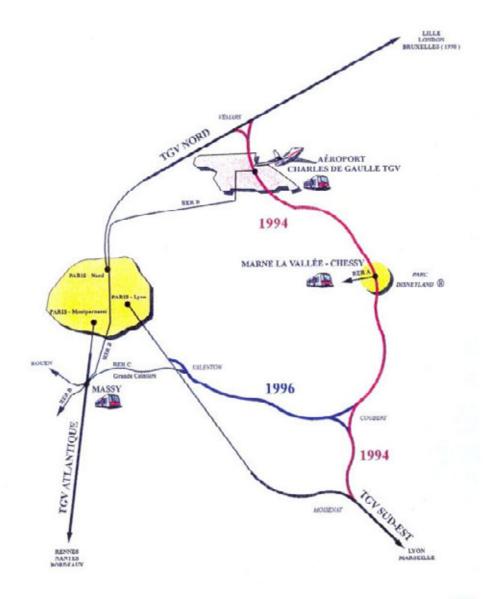


principais alternativas de traçado para a ligação norte do TGV





Estação de Roissy na linha de interconexão do TGV





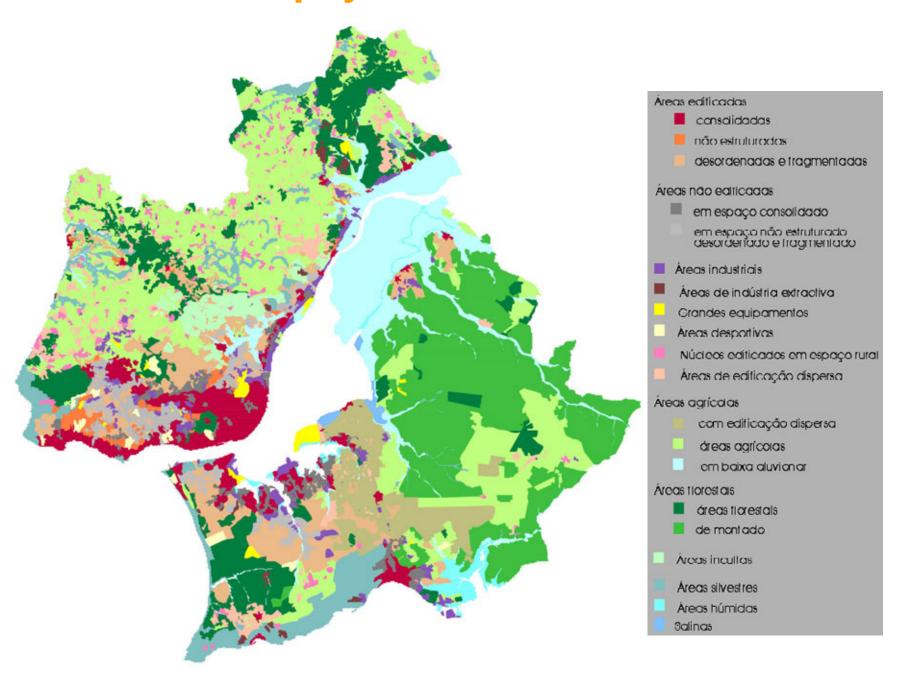
3 a área metropolitana de lisboa

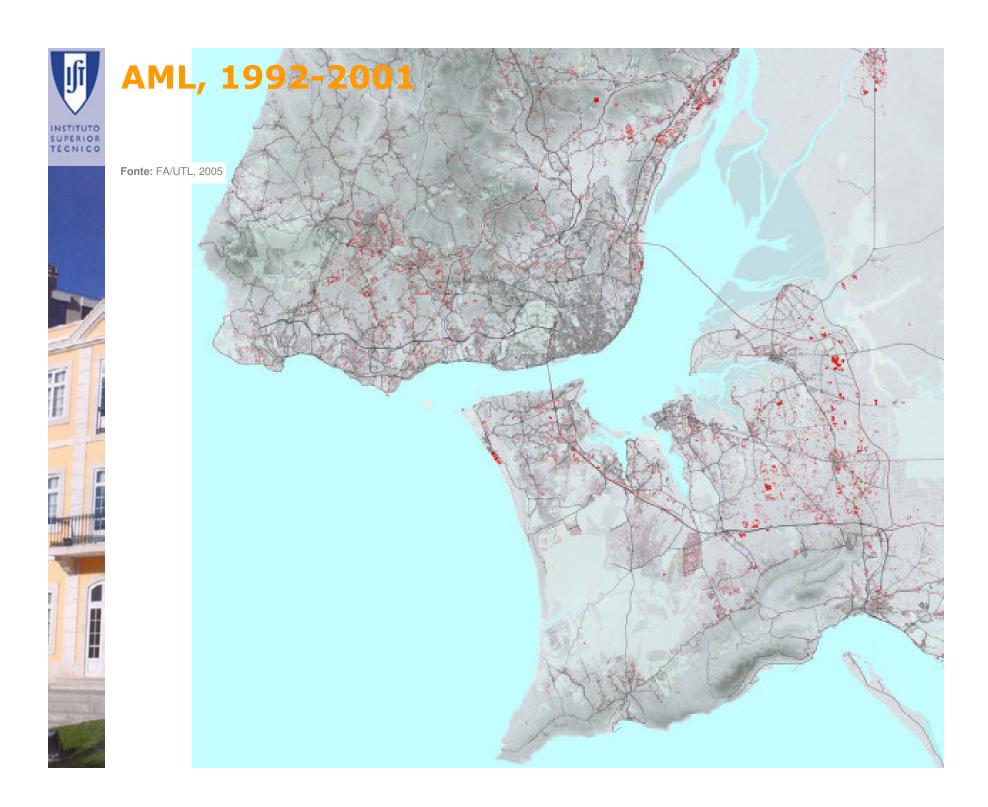






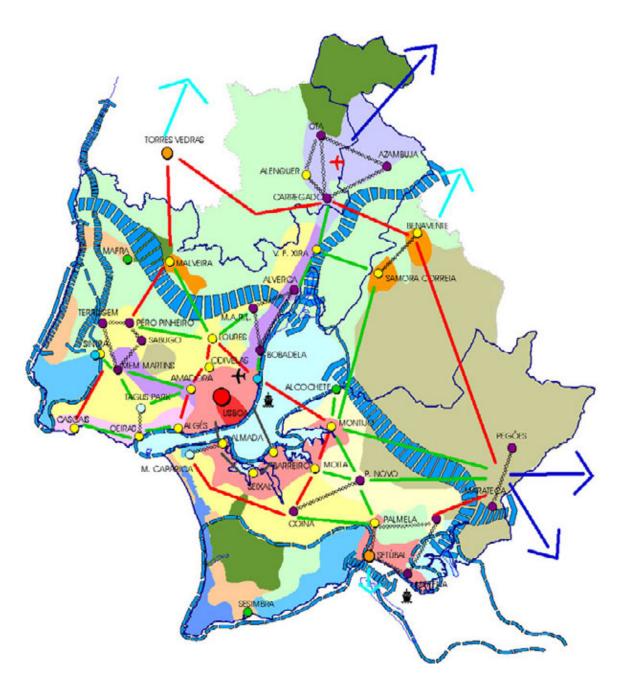
Padrões de ocupação do uso do solo





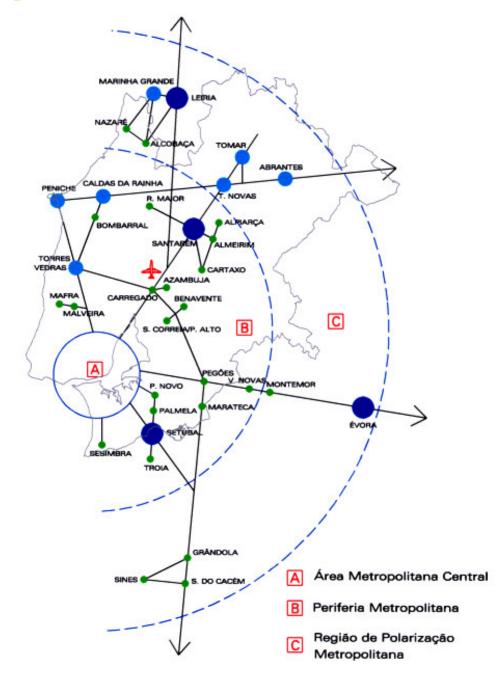


Esquema do modelo territorial

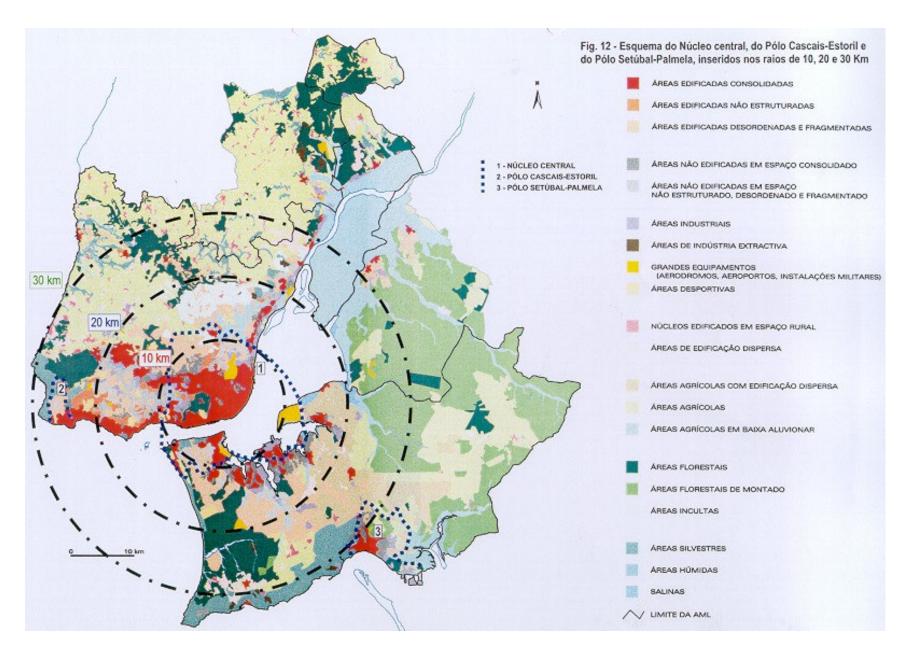




Esquema de polarização metropolitana









Conceito - TC

Núcleo Central

(10 Km)



(Tarifa multimodal)

Coroa Transição

(10-30 Km)



(Tarifa intermodal)



Pólos Secundários

(+30 Km)

Reforço Política Multimodal (ligações directas)

- v.c. ≥ 20 km/h (TCSP) metro + sist. Intermédio (eléctrico/metro ligeiro)
- v.c. ≥ 15 km/h (rede autocarros)
- t _{deslocação} ≤ 20 min
- Cobertura territorial ≅ 100%

Reforço Política Multimodal/intermodal (lig. c/ transbordo)

- v.c. ≥ 25 km/h (TCSP) sist. Intermédio (eléctrico/metro ligeiro)
- v.c. ≥ 40 km/h (TCSP) sist. pesado (comboio)
- v.c. ≥ 20 km/h (rede de autocarros)
- t _{deslocação} ≤ 30 min

Reforço Política Intermodal (ligações c/ transbordo)

- v.c. ≥ 50 km/h (TCSP) sist. pesado (comboio)
- t _{deslocação} ≤ 45 min
- Cobertura territorial < 50%
- Desenvolvimento de redes de TC locais



Conceito - TI

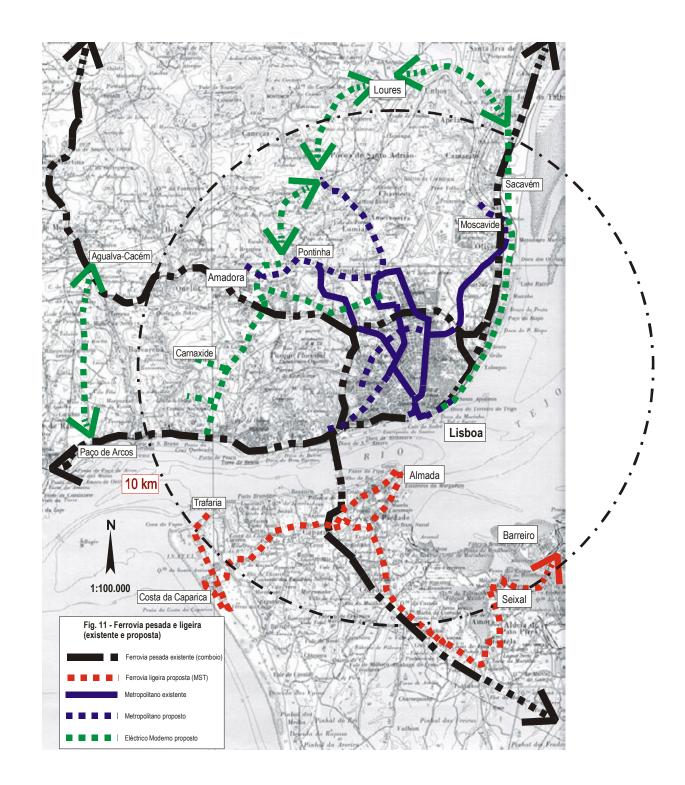
Núcleo Central

Coroa Transição (10-30 Km)

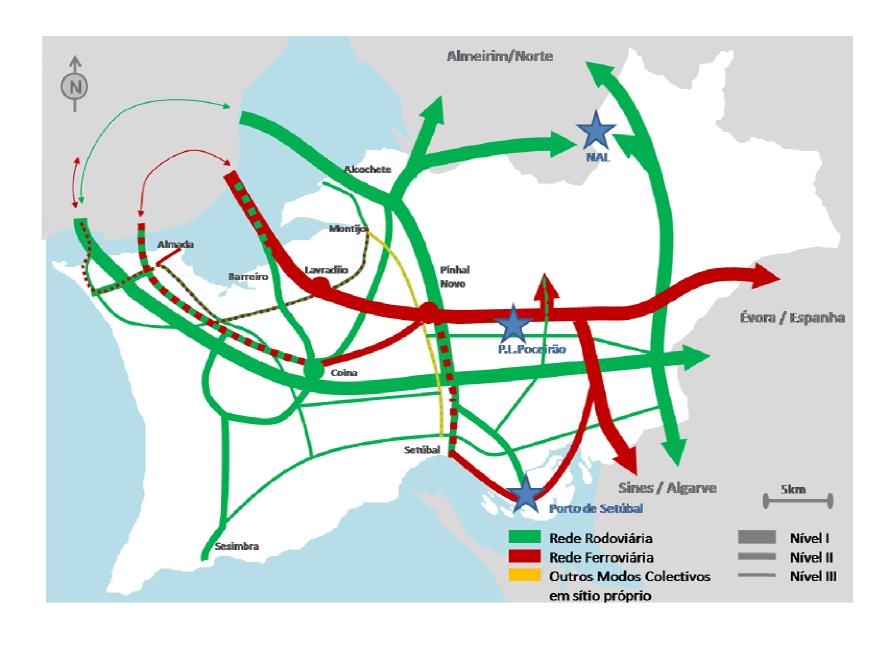
Pólos Secundários (+ 30 Km)

- ↑ Estacionamento tarifado (via pública + parques)
- ↑ Efeito dissuasor uso TI
- ↓ Oferta estacionamento na via pública e parques
- ↑ "P+R" nos limites do Núcleo Central e do hipercentro
- Recuperação e requalificação dos eixos viários urbanos
- ↑ Estacionamento "P+R" (gratuito ou pago c/ direito ao comboio e a TC do tipo expresso)
- ↑ "P+R" ao longo dos eixos mais congestionados
- Completar sistema rodoviário radio-concêntrico
- Desenvolver malha rodoviária secundária, incluindo variantes aos centros urbanos
- Recuperação e requalificação dos eixos viários urbanos
- ↑ Estacionamento "P+R" (gratuito ou pago c/ direito TC)
- Política de estacionamento nos centros
- Recuperação e requalificação dos eixos viários urbanos
- Completar variantes aos centros urbanos









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