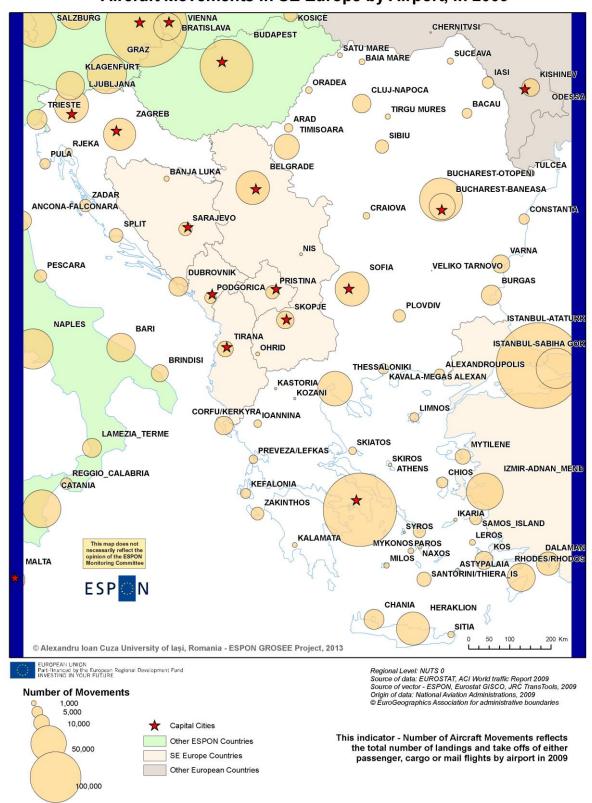
ANNEX IV

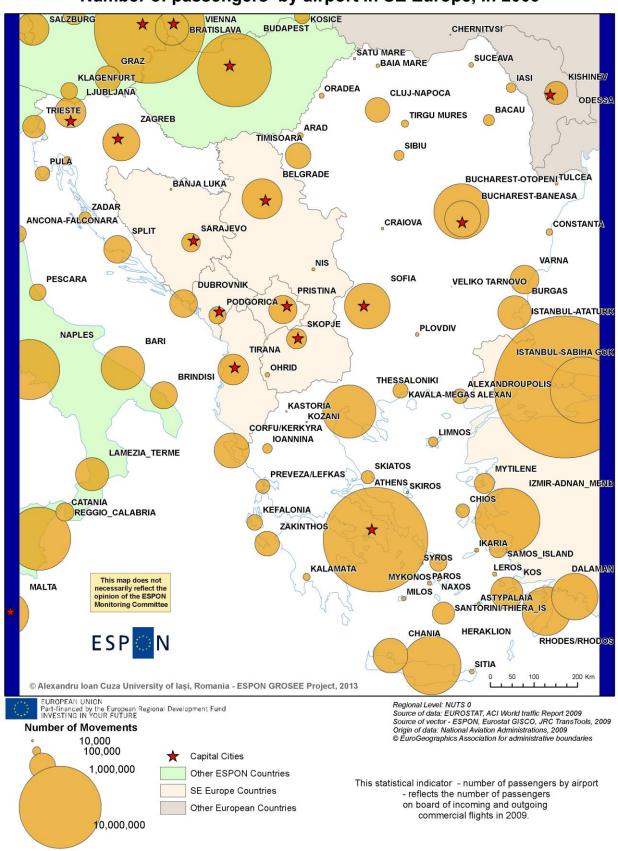
Map 1 Aircraft Movements in SE Europe by Airport, in 2009

Aircraft Movements in SE Europe by Airport, in 2009



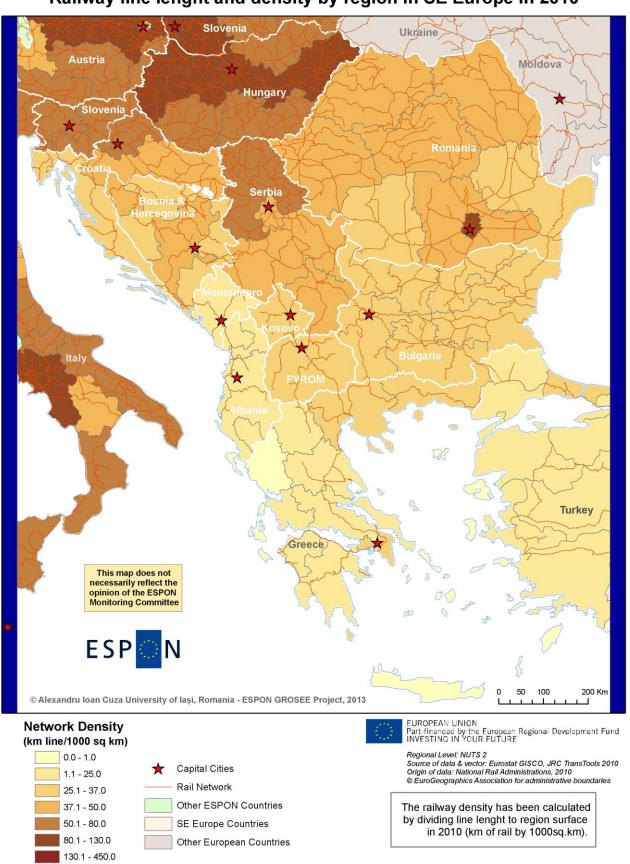
Map 2 Number of passengers by airport in SE Europe, in 2009

Number of passengers by airport in SE Europe, in 2009



Map 3 Railway line length and density in Southeast Europe in 2010

Railway line lenght and density by region in SE Europe in 2010



Map 4 Road Connexity and Connectivity Indices by NUTS 2 in SE Europe

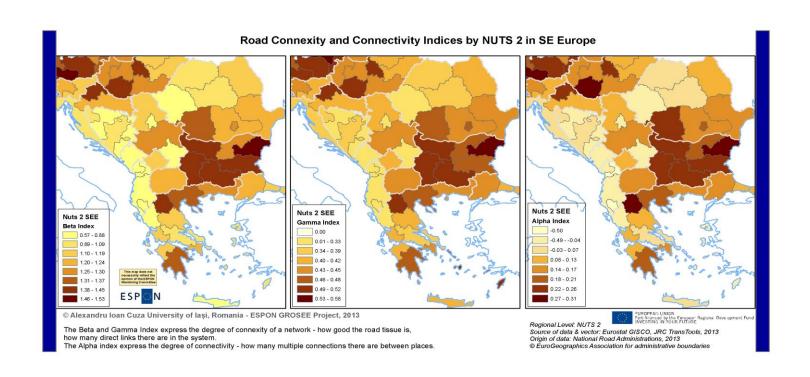


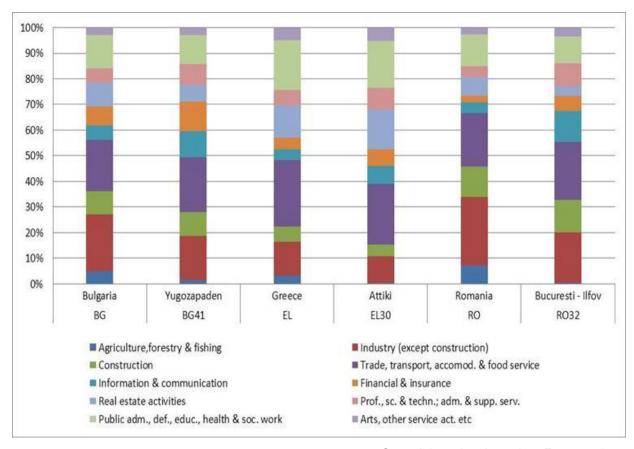
Table 1a GVA per economic sector % in the three countries and capitals in 2009								
Country/capital (NUTS 2)	Bulgaria	Sofia / BG41	Greece	Attiki / EL30	Romania	Bucharest / RO32		
Agriculture, forestry & fishing	4.8	1.5	3.1	0.3	7.2	0.3		
Industry (except construction)	22.1	17.2	13.4	10.4	26.8	19.7		
Construction	9.2	9.2	5.8	4.6	11.7	12.9		
Trade, transport, accommodation & food service	20	21.5	26	23.8	20.9	22.6		
Information & communication	5.7	10.3	4.3	6.9	4.3	11.9		
Financial & insurance activities	7.1	11.4	4.4	6.4	2.5	5.9		
Real estate activities	9.4	6.6	12.5	15.5	7.3	3.8		
Professional, scientific & technical, administrative & support services	5.5	8.1	6	8.7	4.4	9.1		
Public administration, defence, education, health & social work activities	13.2	11.2	19.5	18.2	12.3	10.2		
Arts, other services, activities of households & extra-territorial organizations	2.9	3	4.9	5.3	2.6	3.6		

Own elaboration, based on Eurostat data

Table 1b Volume of GVA in Information - communication and Financial - insurance activities (millions of Euros – absolute values) in the three capitals in 2009						
Country / capital Information and communication Financial and insurance activities						
BG41 - Yugozapaden	1.478,1	1.637,1				
EL30 - Attiki	7.720,5	6.314,7				
RO32 - Bucuresti - Ilfov	3.146,3	1.556,7				

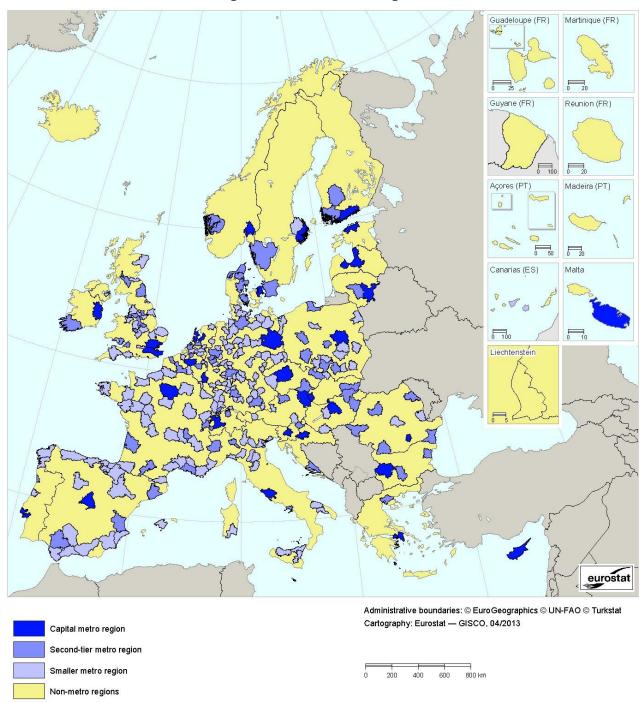
Own elaboration (NTUA team), based on Eurostat data

Figure 1 GVA per economic sector in 2009 in the three countries and capitals



Own elaboration, based on Eurostat data

Map 5 Types of metropolitan regions by Eurostat: Capital city regions, Second tier metro regions, smaller metro regions



Source of the map: Eurostat, Directorate-General for Regional and Urban Policy

http://epp.eurostat.ec.europa.eu/portal/page/portal/region_cities/documents/Map%20metro-regions%202010.pdf Title of the map in Eurostat: Typology of metro regions, 2012 (1) (1) Based on population grid from 2006 and NUTS 2010

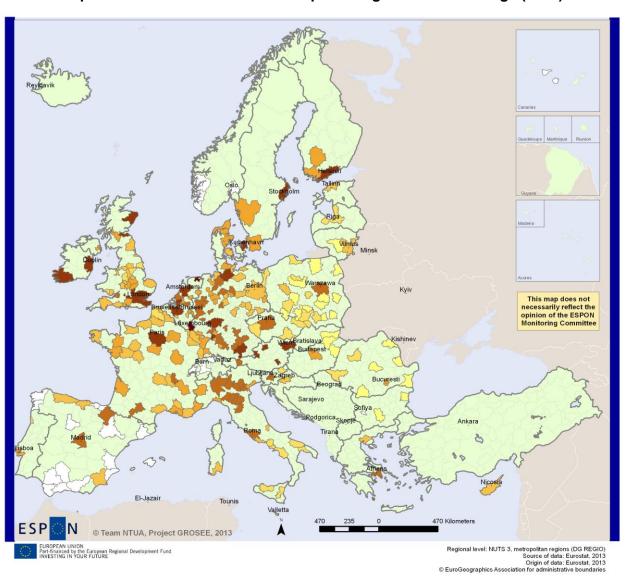
Table 2 Indicators used for the case study metros per NUTS level of approximation

Indicators per aspect of competiveness	NUTS level of data and the MR approximation
Economic performance	
GDP PPS per capita as percentage of the EU27 average	NUTS3
Gross Value Added (GVA) at basic prices per activity sectors	NUTS2
Innovation / R&D	
Overall R&D expenditure as percentage of GDP	NUTS2
Number of patents per millions of inhabitants	NUTS3
Broadband penetration rate as percentage of total households	NUTS2
Labour force/human potential	
Labour productivity (in relation to the EU27 average) *	NUTS3
Employment rate as percentage of active population aged 20-	NUTS2
Unemployment rate (percentage of active population aged 15-74)	NUTS2
Population aged 30-34 with tertiary education	NUTS2

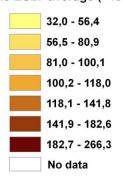
^{*} Labour productivity was calculated as the ratio of the regional GDP in millions of PPS per 1000 employees

^{**} Tertiary education – provided by universities and other higher education institutions – is the level of education following secondary schooling See for the indicators in previous sections of GROSEE and among other in: ESPON Atlas 2013.

Map 6 EU metros: GDP PPS 2009 in percentage of the EU average (=100)



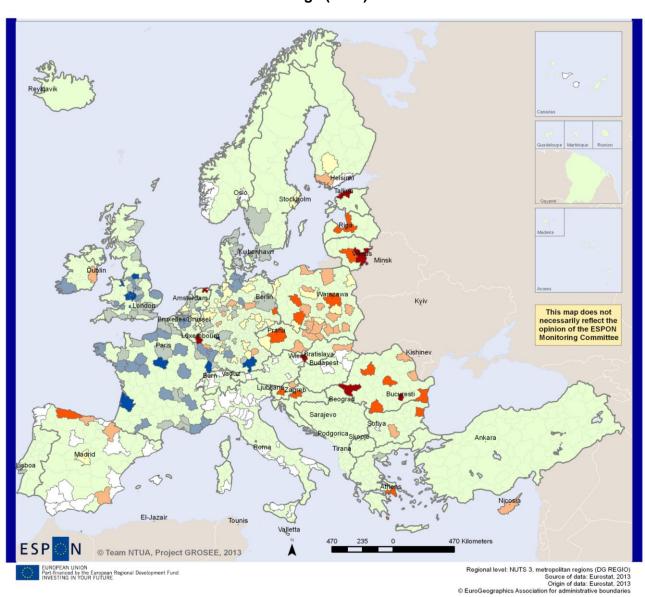
Metropolitan regions: GDP PPS 2009 in percentage of the EU27 average (=100)



NUTS 0 (countries)

NUTS 3 regions

Map 7 EU metros: Gains or losses 2001-2008 in percentage points of the GDP PPS EU27 average (=100)



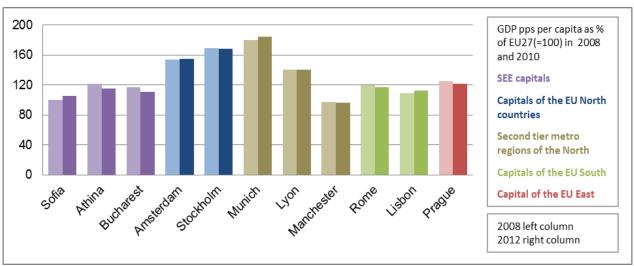
Metropolitan regions: Gains or losses 2001-2008 in percentage points of the EU27 average (=100) GDP PPS



NUTS 0 (countries)

NUTS 3 regions

Figure 2 SEE capitals and case studies metros: GDP PPS per capita as % of EU27 average (=100) in 2008 and 2010



Approximation NUTS3 of the metros (Eurostat), Rome: approximation NUTS2 Own elaboration, based on Eurostat data

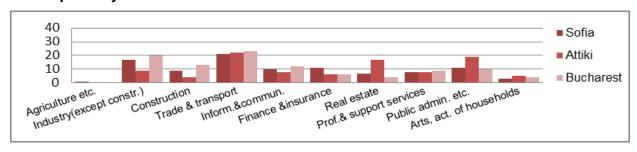
Table 3 SEE capitals and case studies metros: Volume of Gross value added per economic sector in 2009 (millions of Euros – absolute values)

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mic activity		ction)	ction	s	ication	s	s	activ.	s	& bodies	total
Sofia	212	ction) 2.462	ction 1.310	s 3.072	ication 1.478	s 1.637	s 948	activ. 1.152	s 1.605	& bodies 429	14.305
Sofia Attiki	212 356	2.462 9.165	1.310 3.974	\$ 3.072 21.928	1.478 7.721	s 1.637 6.337	948 17.062	activ. 1.152 8.237	\$ 1.605 19.085	& bodies 429 4.610	14.305 98.476
Sofia	212	ction) 2.462	ction 1.310	s 3.072	ication 1.478	s 1.637	s 948	activ. 1.152	s 1.605	& bodies 429	14.305
Sofia Attiki	212 356	2.462 9.165	1.310 3.974	\$ 3.072 21.928	1.478 7.721	s 1.637 6.337	948 17.062	activ. 1.152 8.237	\$ 1.605 19.085	& bodies 429 4.610	14.305 98.476
Sofia Attiki Bucharest	212 356 78	ction) 2.462 9.165 5.189	tion 1.310 3.974 3.398	\$ 3.072 21.928 5.948	1.478 7.721 3.146	s 1.637 6.337 1.557	\$ 948 17.062 1.006	activ. 1.152 8.237 2.409	\$ 1.605 19.085 2.685	& bodies 429 4.610 956	14.305 98.476 26.372
Sofia Attiki Bucharest Amsterdam	212 356 78 1.441	ction) 2.462 9.165 5.189 14.363	ction 1.310 3.974 3.398 7.157	\$ 3.072 21.928 5.948 29.954 15.142	1.478 7.721 3.146 10.922	\$ 1.637 6.337 1.557 18.072 7.370	\$ 948 17.062 1.006 9.852	activ. 1.152 8.237 2.409 20.978	\$ 1.605 19.085 2.685 30.142	& bodies 429 4.610 956 4.244	14.305 98.476 26.372 147.125
Sofia Attiki Bucharest Amsterdam Stockholm	212 356 78 1.441 129	2.462 9.165 5.189 14.363 9.936	1.310 3.974 3.398 7.157 3.452	\$ 3.072 21.928 5.948 29.954 15.142	1.478 7.721 3.146 10.922 7.135	\$ 1.637 6.337 1.557 18.072 7.370	\$ 948 17.062 1.006 9.852 8.315	activ. 1.152 8.237 2.409 20.978	\$ 1.605 19.085 2.685 30.142 14.007	& bodies 429 4.610 956 4.244	14.305 98.476 26.372 147.125 78.245
Sofia Attiki Bucharest Amsterdam Stockholm Munich	212 356 78 1.441 129 800	2.462 9.165 5.189 14.363 9.936 31.985	1.310 3.974 3.398 7.157 3.452 6.074	\$ 3.072 21.928 5.948 29.954 15.142 32.	1.478 7.721 3.146 10.922 7.135	\$ 1.637 6.337 1.557 18.072 7.370 53.	\$ 948 17.062 1.006 9.852 8.315	activ. 1.152 8.237 2.409 20.978 9.679	\$ 1.605 19.085 2.685 30.142 14.007 28.914	& bodies 429 4.610 956 4.244 3.082	14.305 98.476 26.372 147.125 78.245 154.489
Sofia Attiki Bucharest Amsterdam Stockholm Munich Lyon	212 356 78 1.441 129 800 1.649	2.462 9.165 5.189 14.363 9.936 31.985 28.442	1.310 3.974 3.398 7.157 3.452 6.074 11.920	\$ 3.072 21.928 5.948 29.954 15.142 32. 30.046	1.478 7.721 3.146 10.922 7.135 903 5.578	\$ 1.637 6.337 1.557 18.072 7.370 53. 5.273	\$ 948 17.062 1.006 9.852 8.315 814 22.621	activ. 1.152 8.237 2.409 20.978 9.679	\$ 1.605 19.085 2.685 30.142 14.007 28.914 34.425	& bodies 429 4.610 956 4.244 3.082	14.305 98.476 26.372 147.125 78.245 154.489 163.895
Sofia Attiki Bucharest Amsterdam Stockholm Munich Lyon Manchester	212 356 78 1.441 129 800 1.649 56	2.462 9.165 5.189 14.363 9.936 31.985 28.442 6.703	ction 1.310 3.974 3.398 7.157 3.452 6.074 11.920 3.815	\$ 3.072 21.928 5.948 29.954 15.142 32. 30.046 10.396	1.478 7.721 3.146 10.922 7.135 903 5.578 2.743	\$ 1.637 6.337 1.557 18.072 7.370 53. 5.273 4.682	\$ 948 17.062 1.006 9.852 8.315 814 22.621 4.253	activ. 1.152 8.237 2.409 20.978 9.679 18.591 6.100	\$ 1.605 19.085 2.685 30.142 14.007 28.914 34.425 10.994	& bodies 429 4.610 956 4.244 3.082 5.351 1.647	14.305 98.476 26.372 147.125 78.245 154.489 163.895 51.389

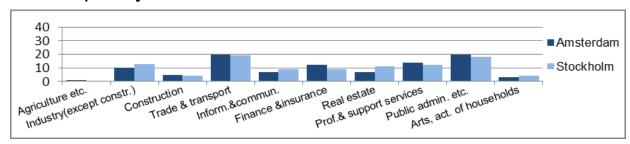
Own elaboration, based on Eurostat data

Figure 3 SEE capitals and case studies metros: Gross value added per economic sector in % of total GVA at basic prices in 2009

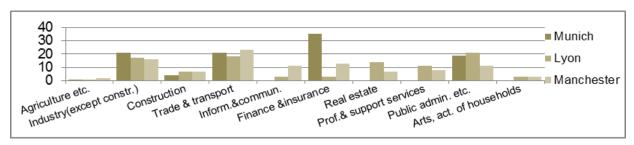
SEE capital city metros



"North" capital city metros

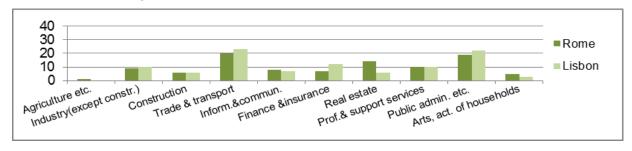


"North" second tier metros



*Data for Munich available at larger categories (1.Agriculture etc., 2.Industry (except construction), 3.Construction, 4.Trade, transport, information & communication, 5.Finance, insurance, real estate, professional & support services, 6.Public administration, arts, activities of households etc.)

"South" capital city metros



"East" capital city metro

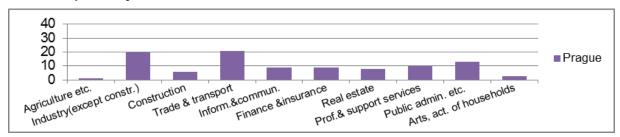


Table 4 SEE capitals and case studies metros: Labour productivity as ratio of GDP in millions of							
PPS per 1000 of employees, 2008, 2010, 2008-2010 change in percentage points							
Types of metros	Metros	2008	2010	2008-2010 change			
				in percent. points			
SEE capitals	Sofia	39	40	2			
	Attiki	84	81	-3			
	Bucharest		58	-3			
Capitals of the EU North	Amsterdam	92	93	1			
	Stockholm		79	0			
Second tier metros of the EU north	Munich	82	82	0			
	Lyon	73	73	0			
	Manchester	61	61	0			
Capitals of the EU South	Rome	85	81	-3			
	Lisbon	54	55	2			
Capitals of the EU East	Prague	61	62	-1			
Approximation NUTS3 of the metros (Eurostat), Rome: approximation NUTS2. Own							
elaboration, based on Eurostat data							