

Investments for growth & jobs

Promoting development and good governance in EU regions and cities

6th Report on economic, social and territorial cohesion, July 2014





6th Cohesion Report

- Art. 175 of the consolidated treaty:

 'The Commission shall submit a report to the European Parliament, the Council, the Economic and Social Committee and the Committee of the Regions every three years on the progress made towards achieving economic, social and territorial cohesion ...'
- Exceptionally, the report has been delayed by one year to report on the new Cohesion Policy programming period





New structure instead of old

- 1. Smart growth
- 2. Inclusive growth
- 3. Sustainable growth
- 4. Public investment, growth and the crisis
- 5. Good governance
- Evolution of Cohesion Policy
- 7. Impact of Cohesion Policy
- 8. Cohesion Policy in 2014-2020

- 1. Economic, social and territorial situation
- National policies and cohesion
- Other EU policies and cohesion
- 4. Impact of Cohesion Policy

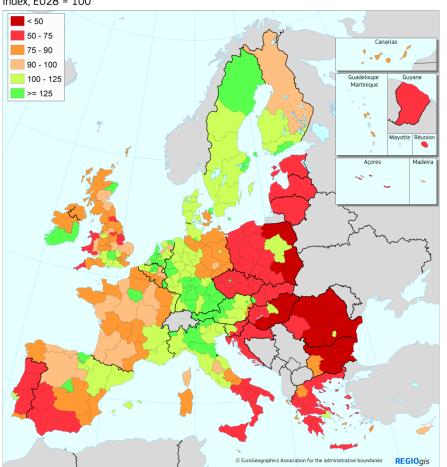


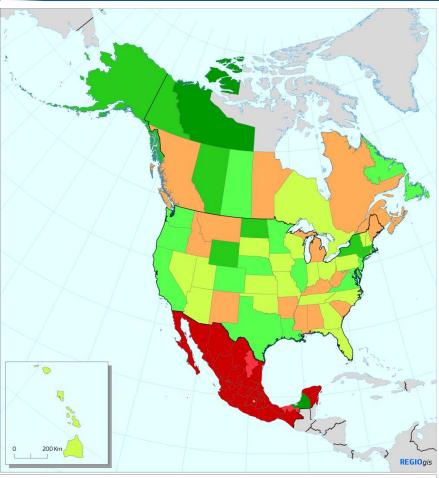
SMART GROWTH



GDP per head (pps), 2011

Index, EU28 = 100





NAFTA: GDP/head (USD PPS), 2012 (US,CA) 2011(MX)

Index, NAFTA average = 100 < 50 50 - 75 75 - 100

Source: OECD

Source of Administrative boundaries: The Global Administrative Unit Layers (GAUL) dataset, implemented by FAO within the EC FAO Food Security for Action Programme

100 - 125 125 - 150

150 - 200 > 200

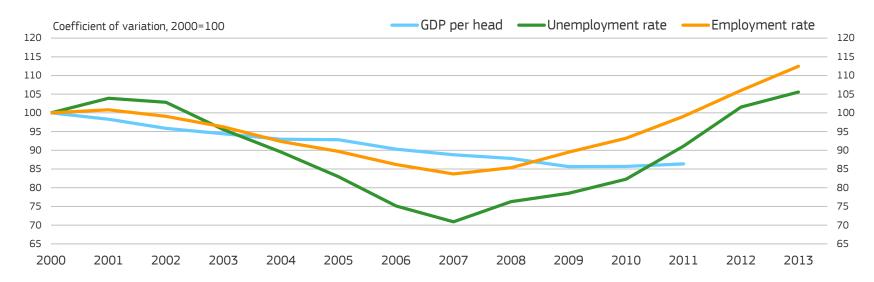
Chapter 1 000 Km

Regional & Urban Policy



Regional disparities increased

Coefficient of variation of GDP per head, employment rate (15-64), unemployment rate, EU-27 NUTS 2 regions, 2000-2012



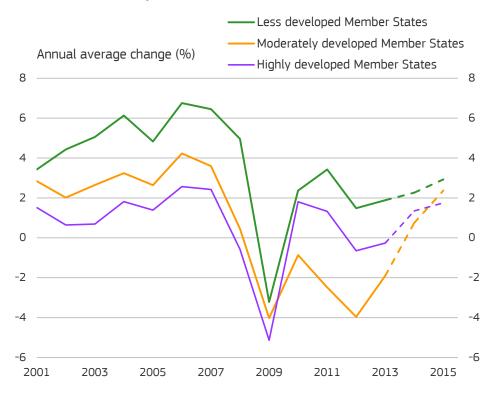
Source: Eurostat, DG REGIO calculations



Economic disparities

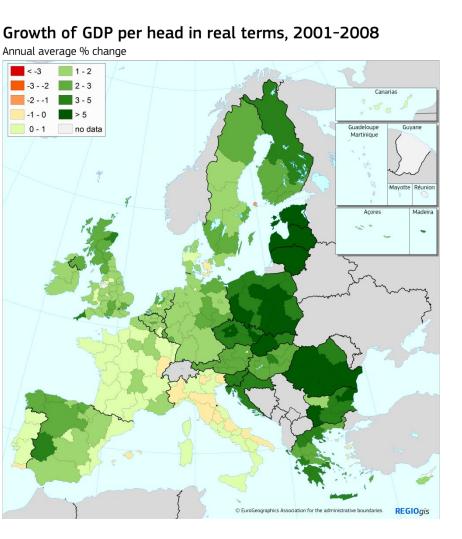
- Crisis halted regional economic convergence
- National GDP projections show slow convergence post-crisis

Growth of GDP per head in real terms, EU-28, 2001-2015



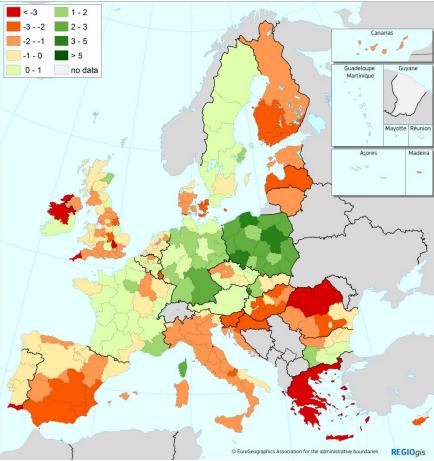
Source: Eurostat





Growth of GDP per head in real terms, 2008-2011

Annual average % change





Rural regions and the crisis

Change in GDP per head, productivity and employment per head by urban-rural typology, 2000-2008 and 2008-2011

	2000-2008			2008-2011			
Average annual change (%)	GDP per head	Productivity	Employment per head		GDP per head	Productivity	Employment per head
EU-15	_		_				
Urban	1.3	0.8	0.5		-0.9	0.2	-1.0
Intermediate	1.2	0.7	0.5		-0.6	0.3	-0.8
Rural	1.2	0.7	0.5		-0.5	0.4	-0.9
Total	1.3	0.8	0.5		-0.7	0.2	-0.9
EU-13							
Urban	5.5	3.6	1.9		0.7	0.9	-0.2
Intermediate	4.6	4.2	0.4		0.5	1.5	-1.0
Rural	4.3	4.5	-0.2		0.6	1.6	-1.1
Total	4.9	4.3	0.6		0.7	1.4	-0.8



Change in GDP per head, productivity and employment per head by type of metropolitan region, 2000-2008 and 2008-2011

	2000-2008			2008-2011			
Average annual change (%)	GDP per head	Productivity	Employment per head	GDP per head	Productivity	Employment per head	
EU-15							
Capital metropolitan region	1.4	0.9	0.6	-0.8	0.3	-1.1	
Second tier metropolitan regic	1.3	0.7	0.6	-0.8	0.1	-0.9	
Smaller metro region	1.2	0.7	0.5	-0.6	0.2	-0.8	
Non-metropolitan region	1.2	0.8	0.4	-0.8	0.2	-1.0	
Total	1.3	0.8	0.5	-0.7	0.2	-0.9	
EU-13		_			_		
Capital metropolitan region	5.5	3.6	1.9	-0.3	1.0	-1.3	
Second tier metropolitan regic	4.9	4.1	0.8	1.4	1.3	0.1	
Smaller metro region	3.7	3.6	0.1	1.4	1.2	0.2	
Non-metropolitan region	4.5	4.4	0.0	0.6	1.7	-1.1	
Total	4.9	4.3	0.6	0.7	1.4	-0.8	

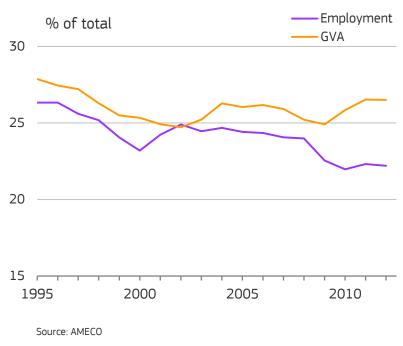


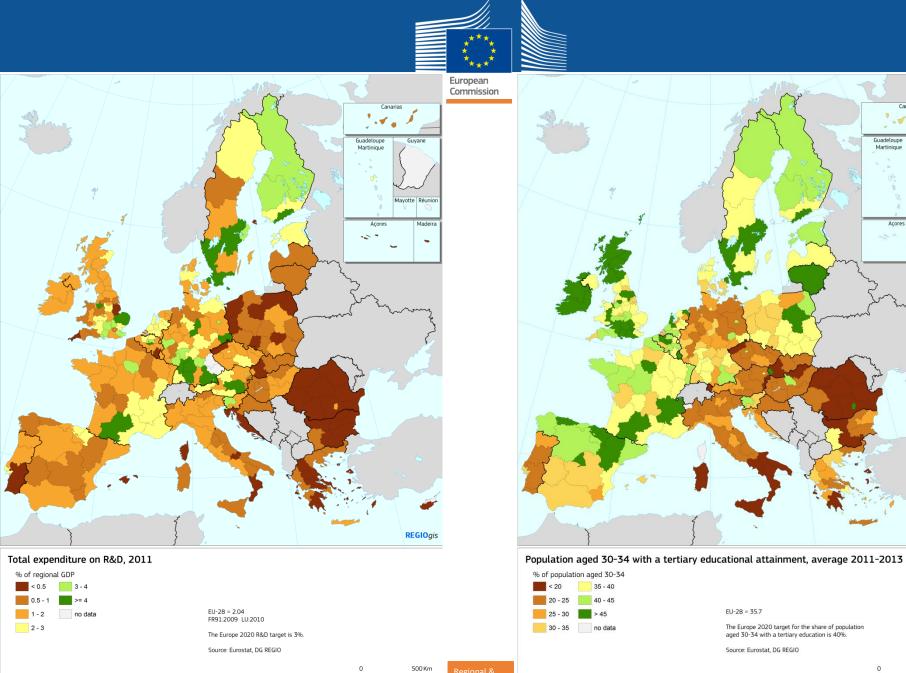
Industry in the EU

Share of industry (excluding construction) in the EU, 1970-2012



Share of industry (excluding construction) in the EU-12, 1995-2012





© EuroGeographics Association for the administrative boundaries

© EuroGeographics Association for the administrative boundaries

Guadeloupe Martinique

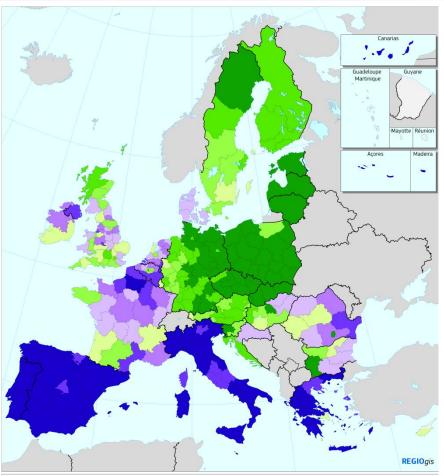
Açores

Madeira

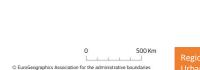
REGIOgis

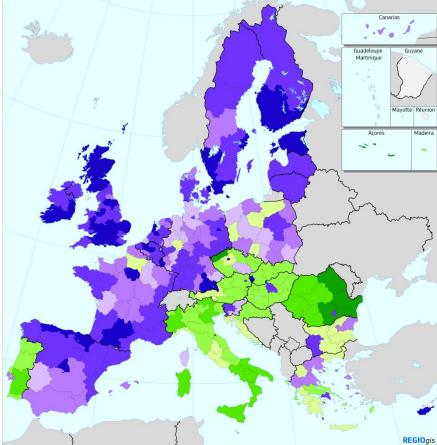
500 Km





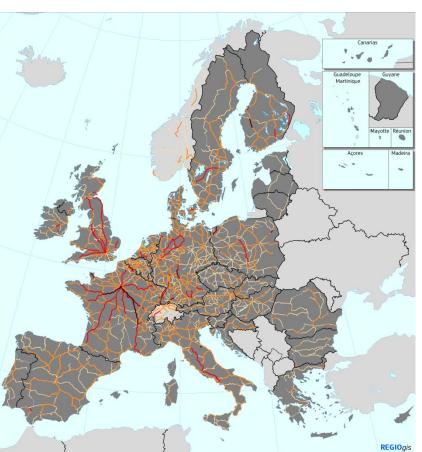












Highest speed on railway sections according to timetables, 1990

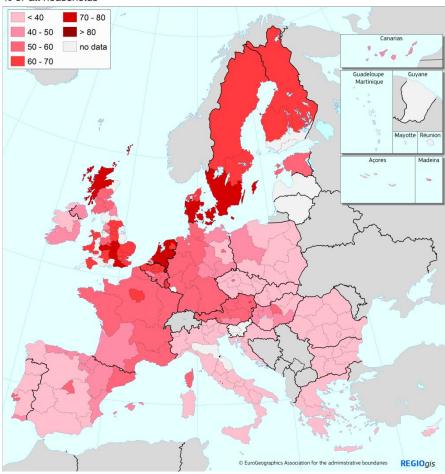


Since different train services with different speeds may operate along rail sections, the shown speeds indicate the average speed of the fastest train service. Rail sections exclusively for freight services are not shown. Source: RRG GIS Database, Railway company's timetables

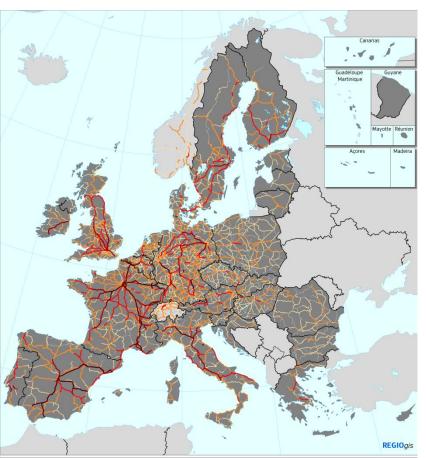
0 500 Kr

Households with broadband connection, 2008

% of all households







Highest speed on railway sections according to timetables, 2013



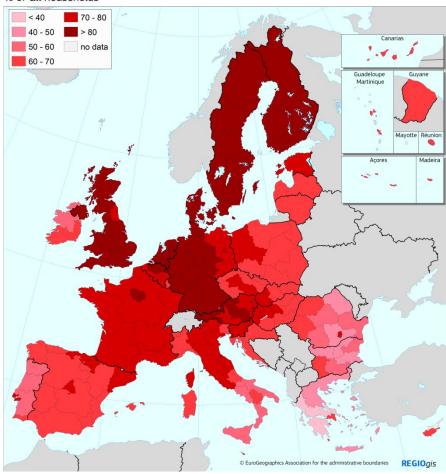
Since different train services with different speeds may operate along the same rail sections, the speeds shown indicate the speed of the fastest train service. Rail sections exclusively for freight services are not shown. Source: RRG GIS Database, Railway company's timetables

0 500 Km

500 Km Regio

Households with broadband connection, 2013

% of all households

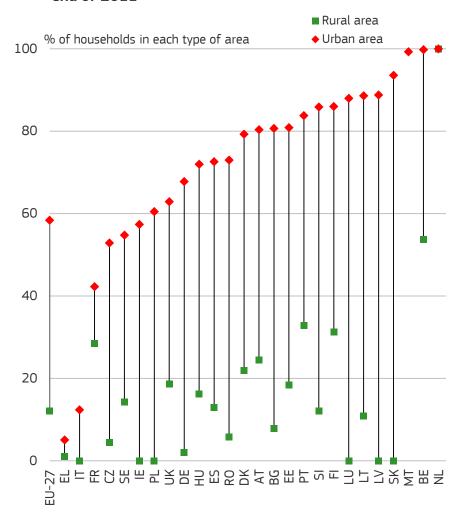




Digital Agenda

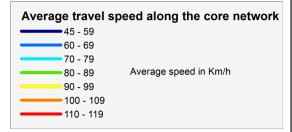
- Access to broadband 100% in 2013
- Access to NGA 100% in 2020
- Investments in case of market failure (!) from EAFRD and ERDF

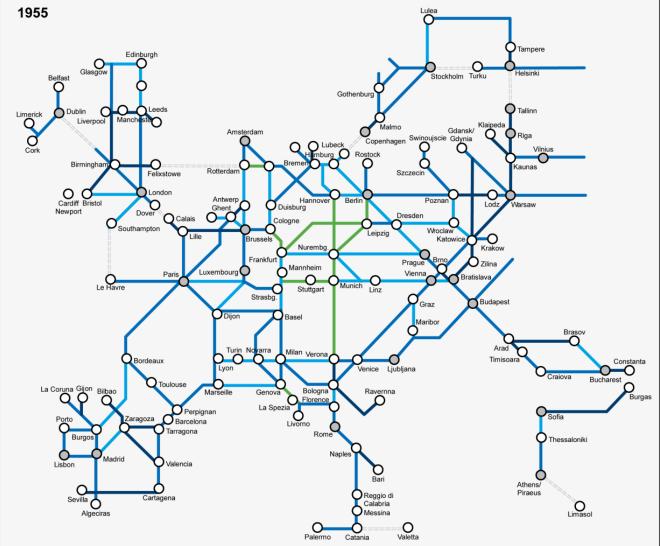
Next Generation Access (NGA) coverage by type of area, end of 2011



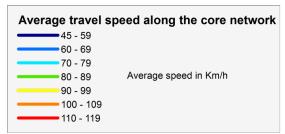


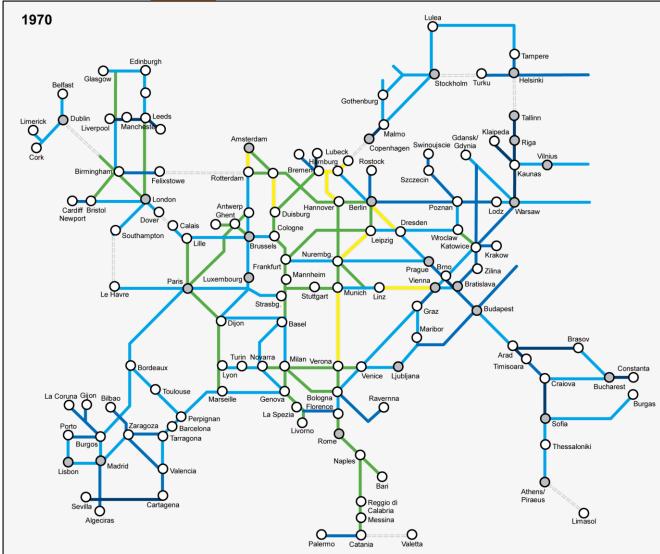




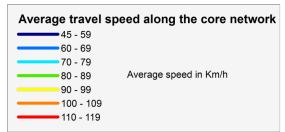


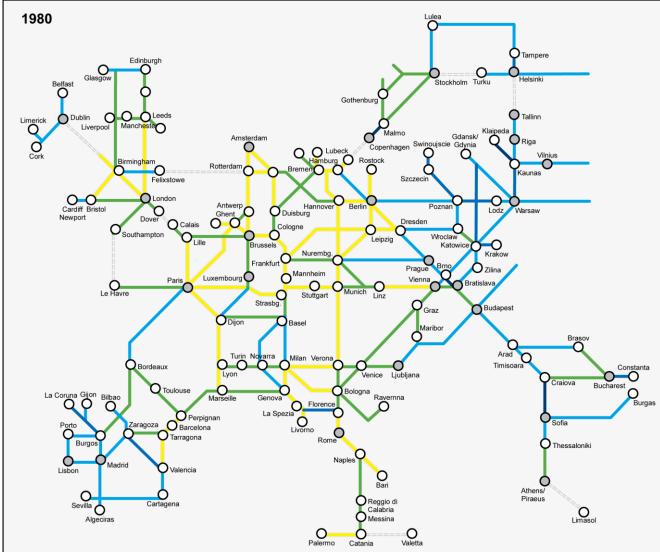




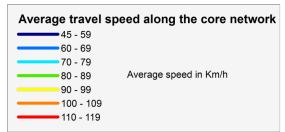


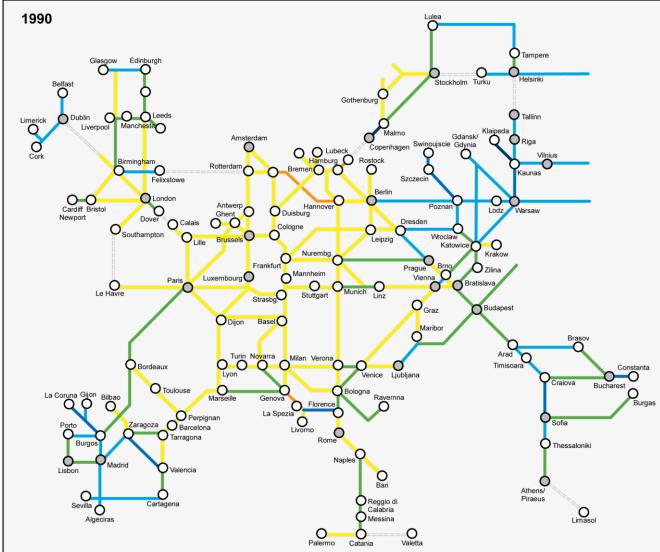




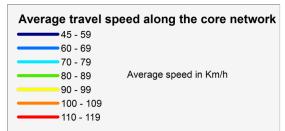


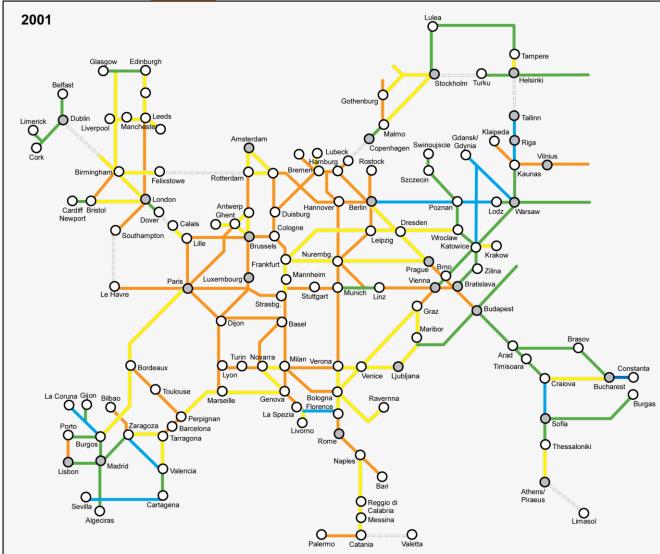




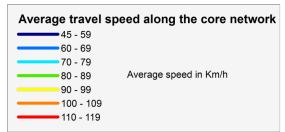


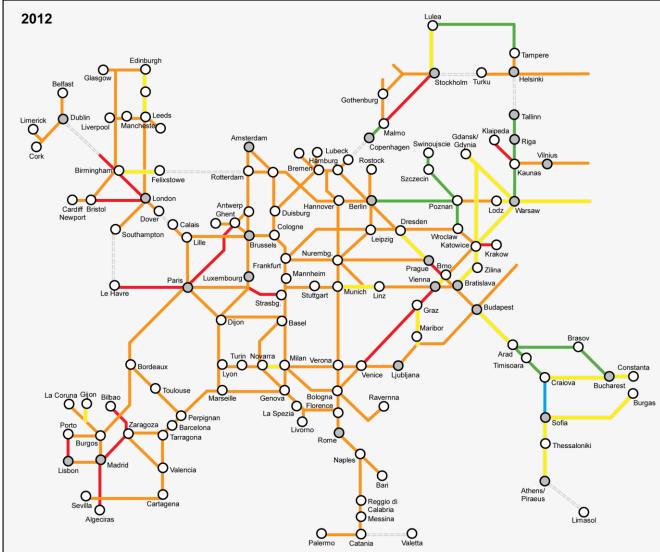




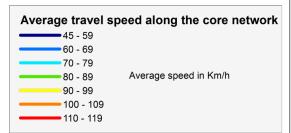


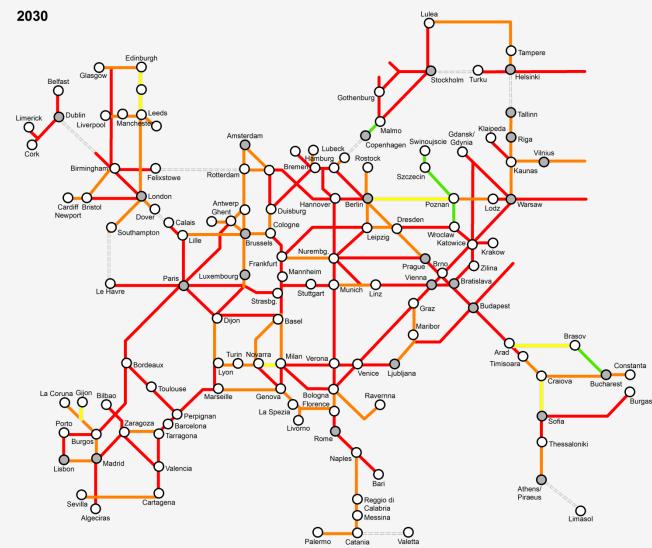








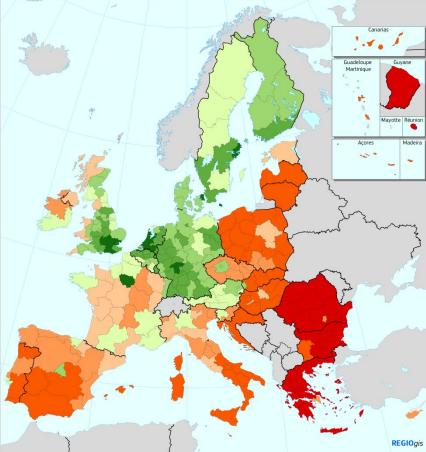






Regional competitiveness

 Boosting competitiveness requires more investments in innovation, entrepreneurship, education, digital and physical networks and more exports & FDI





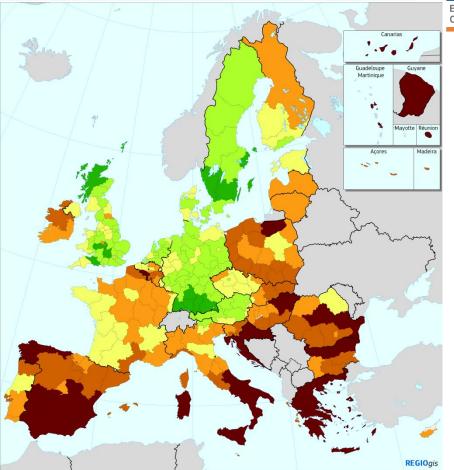






INCLUSIVE GROWTH



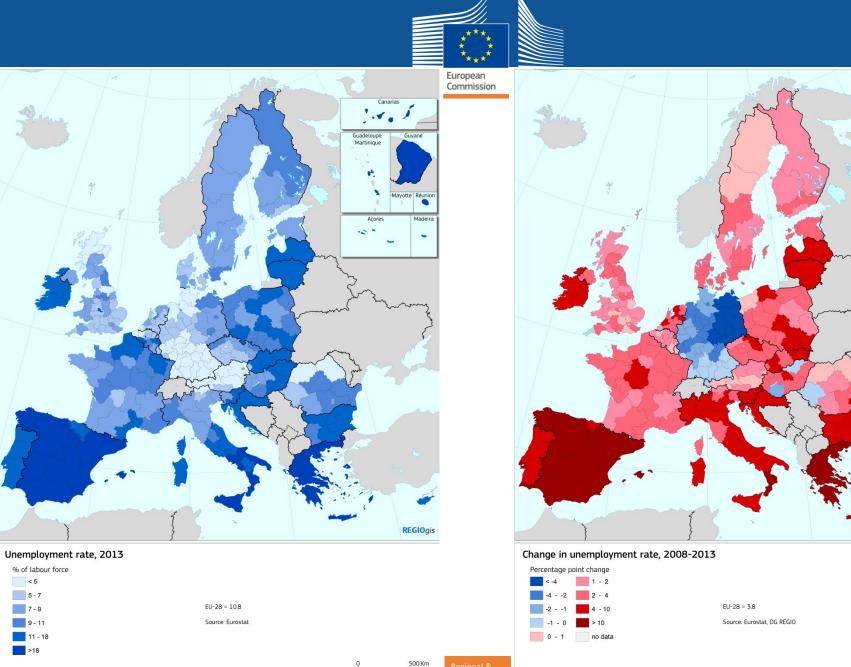


	More developed	Transition	Less developed	EU-28
Employment rate population aged 20-64, 2013	72.0	65.1	61.1	68.3
% point change 2008 - 2013	-1.4	-2.9	-2.7	-1.9
% point change 2000 - 2008	4.1	4.6	2.4	3.7

Employment rate, (ages 20-64), 2013

% of population, aged 20-64

60
60 - 65
65 - 70
EU-28 = 68.3
70 - 75
The Europe 2020 employment rate target is 75%.
75 - 80
Source: Eurostat
> 80



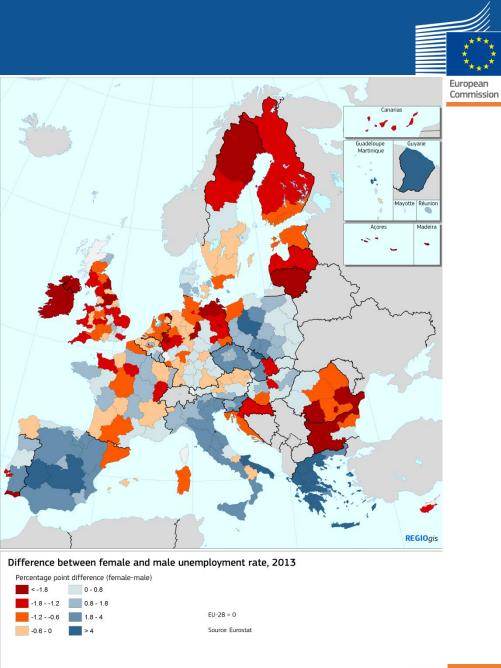
© EuroGeographics Association for the administrative boundaries

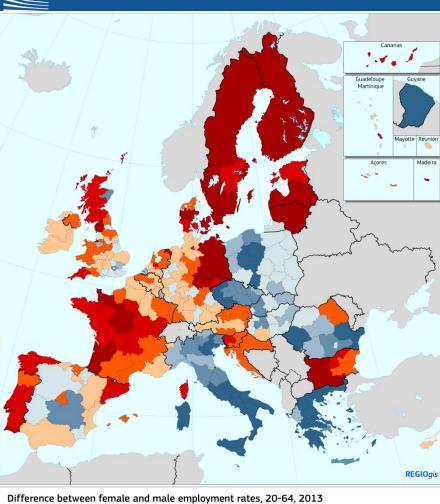
0 500 Km

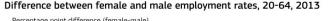
Guadeloupe Martinique

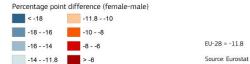
Açores

REGIOgis



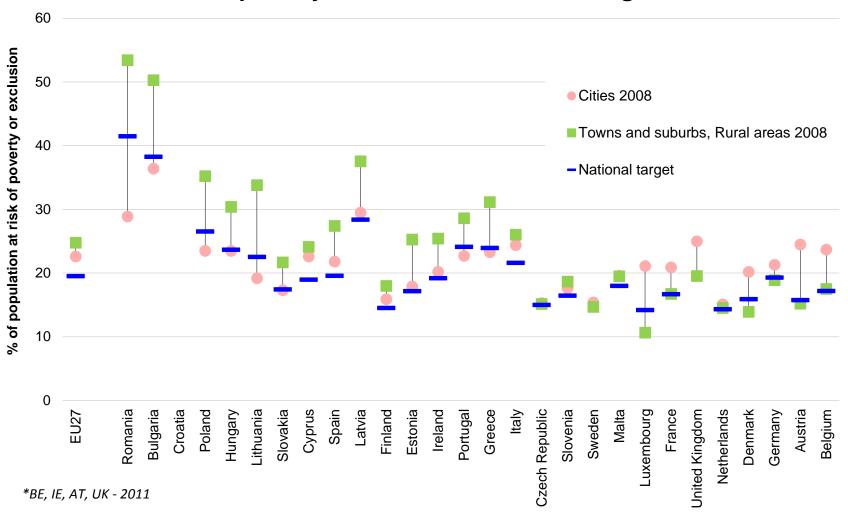






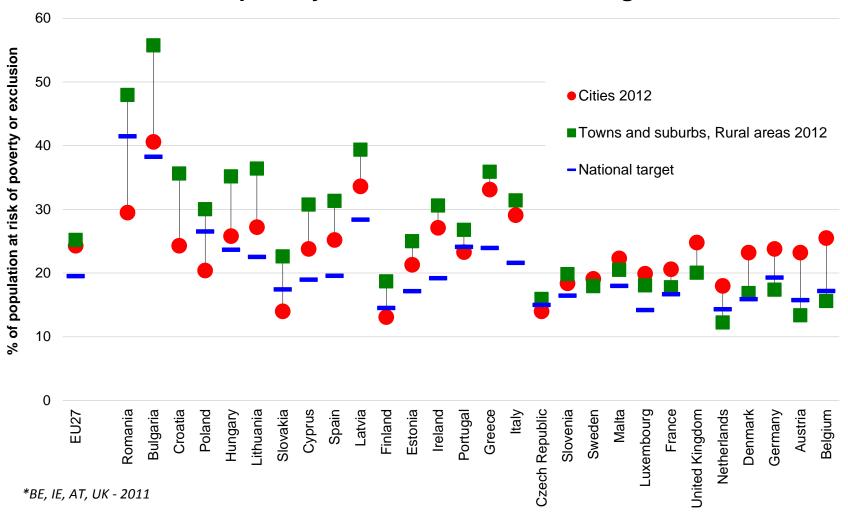


At risk of poverty or exclusion and 2020 targets



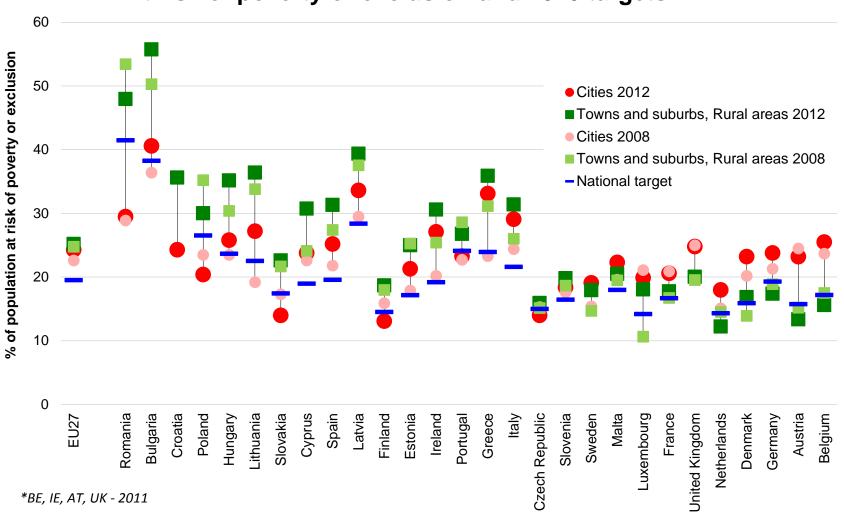


At risk of poverty or exclusion and 2020 targets



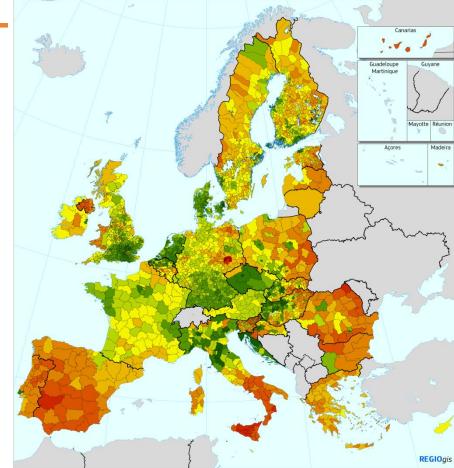


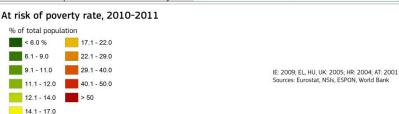
At risk of poverty or exclusion and 2020 targets





- At request of the EC to allow Cohesion Policy to target areas with the highest at-risk-ofpoverty rates
- Based on SILC and census data
- Created with small area estimations techniques



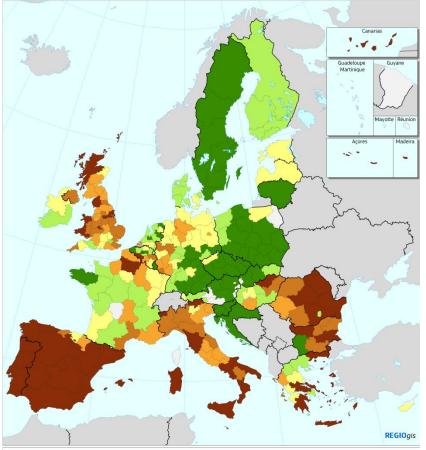


European

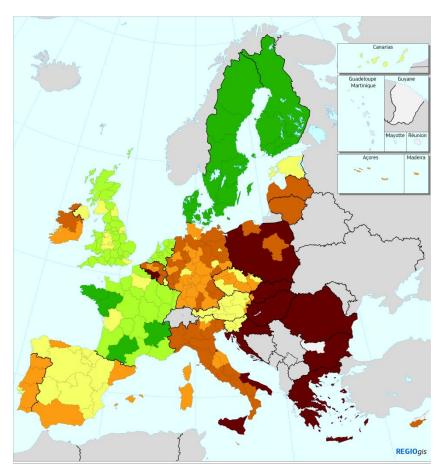
Commission



Commission







EU-28: 10.4 The Europe 2020 life-long learning target is 15%.

© EuroGeographics Association for the administrative boundaries

Source: Eurostat

Participation of adults aged 25-64 in education and training, 2013

% of population 25-64

7 - 10

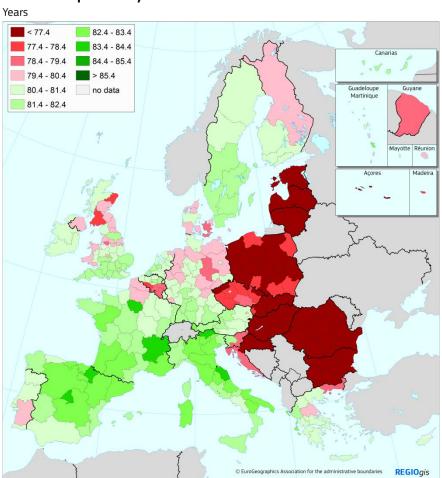
10 - 15

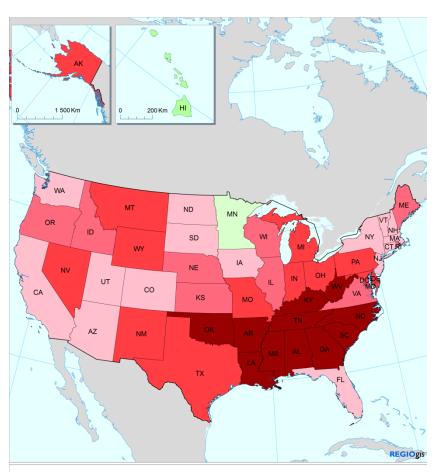
15 - 20



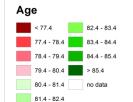


EU Life expectancy - 2011





US: Life expectancy 2010



US average: 78,6
SA long and healthy life is measured using life expectancy at birth. This indicator is calculated by Measure of America using abridged life tables based on the Chiang methodology.
The mortality data come from the Centers for Disease Control and Prevention, the National Center for Health Statistics

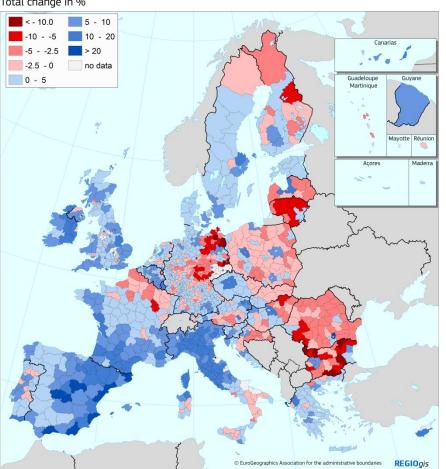
and the population estimates come from the U.S. Census Bureau Population Estimates Program.

Chapter 2



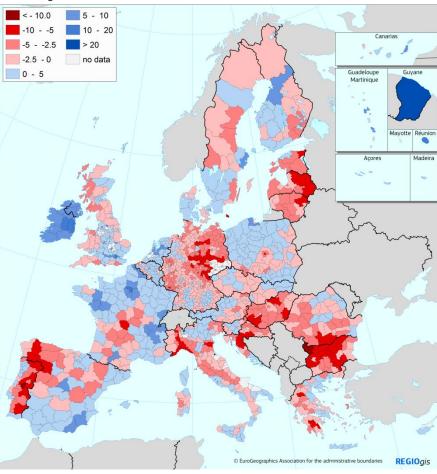
Net migration into NUTS 3 regions, 2001-2011

Total change in %



Natural population growth, 2001-2011

Total change in %





rural typology, 2001-2011

Total change (%)

Total population

Total population

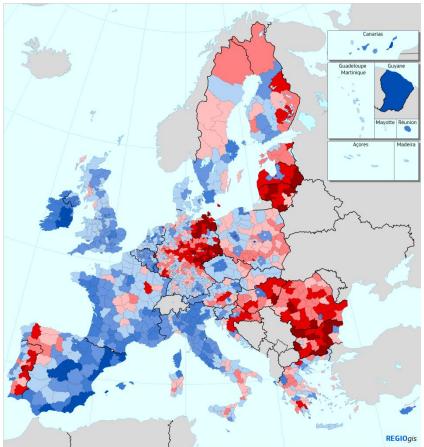
Natural population

Natural population

EU-15

change

change Net migration EU-13



0.6 -1.1 change Natural population -1.2 -0.7

Net migration EU-28

Total population change

change

Net migration

change

3.8

1.8

Urban

6.8

0.2 3.1

Population change, natural change and net migration by urban-

Intermediate

0.5

-0.4

3.3

0.4 3.8 **0**.7 -1 1.5

Rural

-0.6

-3.9

-1.8

-2.2

Total

.3

1.9

1.3

0.6

Total population change, 2001-2011



© EuroGeographics Association for the administrative boundaries

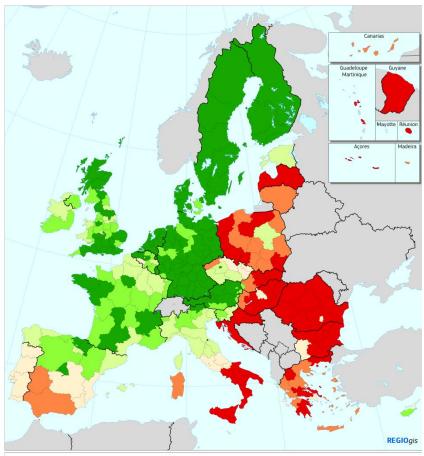


Population change follows the urban hierarchy

Population change, natural	change and ne	et migr	ation	by metro reg	ions, 2	2001-2	011
Change in %	Total change		Natural change		Net migration		
EU-15							
Capital metro region		9.0		4.8			4.2
Second tier metro region		5.7		1.8			3.9
Smaller metro region		4.8		0.7			4.1
Non-metro regions		3.8		0.0			3.8
EU-13							
Capital metro region		3.7		-1.0			4.6
Second tier metro region		-1.2		-0.9			-0.3
Smaller metro region		-0.4		-0.3			-0.1
Non-metro regions		-4.0		-1.6			-2.4

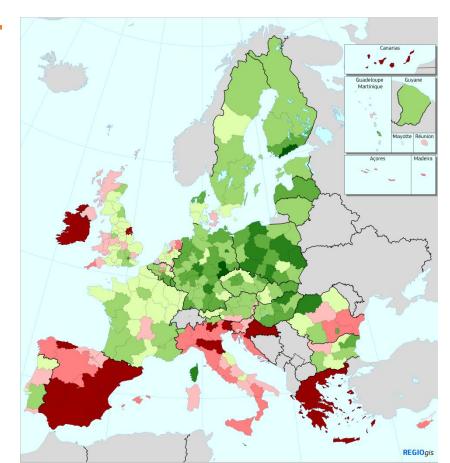








© EuroGeographics Association for the administrative boundaries





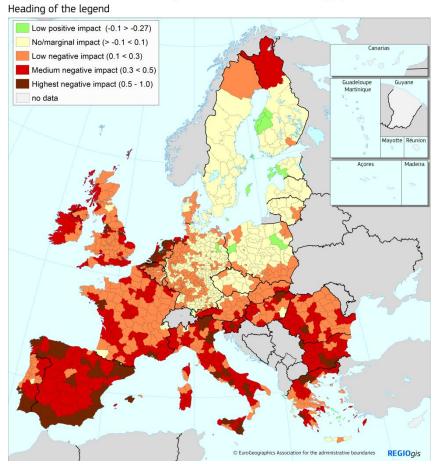




SUSTAINABLE GROWTH

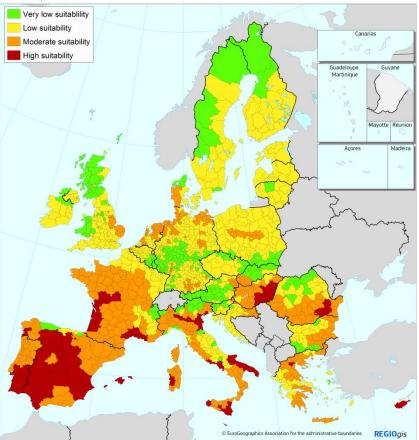


Aggregate potential impact of climate change, 2009

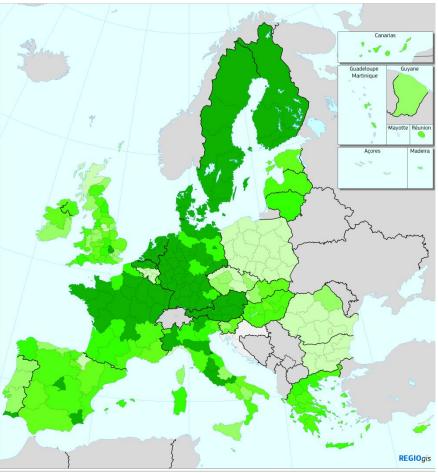


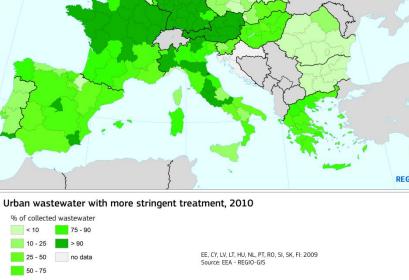
Average suitability for photovoltaic systems at NUTS3 levels

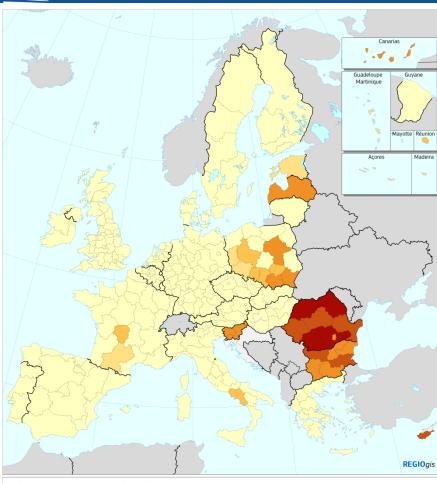
Suitability levels

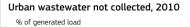










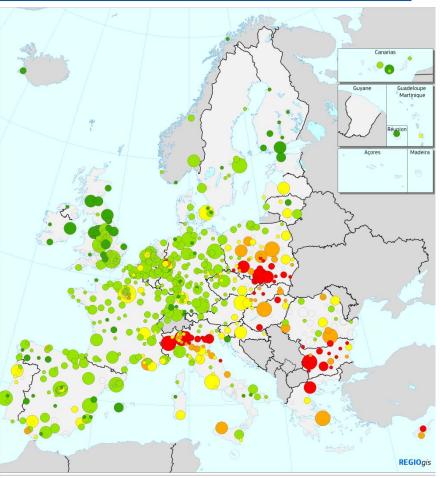




EE, CY, LV, LT, HU, NL, PT, RO, SI, SK, FI: 2009 Not collected by collecting systems nor treated by individual or other appropriate systems. Source: EEA - REGIO-GIS







PM10 daily average concentration, 2011

© < 100000

0 100001 - 250000

> 5000000

250001 - 500000

500001 - 1000000

1000001 - 5000000

μg/m³

< 21

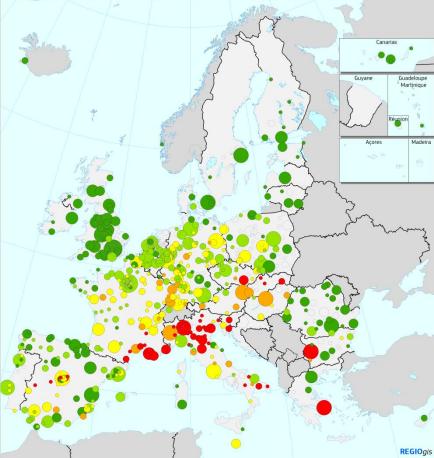
21 - 31

0 31 - 44

9 44 - 67

no data

> 67





Ozone concentrations, 2011

<= 5

5 - 14

0 14 - 23

23 - 32

No Data

• > 32

Number of days with > 120 μg/m³ City population

< 100000

100001 - 250000

> 5000000

250001 - 500000

500001 - 1000000

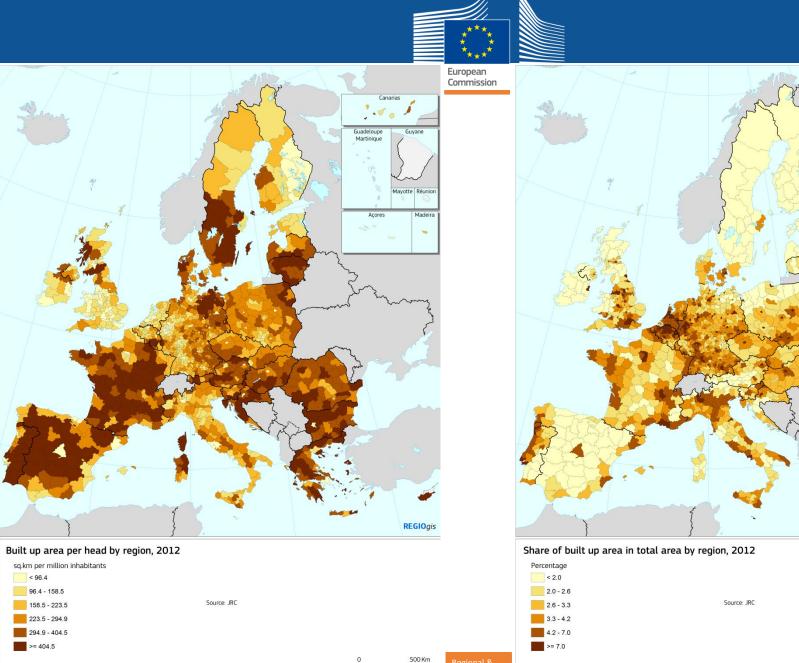
1000001 - 5000000

Note: Average for measuring stations within city bounderies Source: EEA, DG REGIO

0 500 K

© EuroGeographics Association for the administrative boundaries

Regional & Urban Polic Note: Average for measuring stations within city bounderies Source: EEA, DGREGIO



© EuroGeographics Association for the administrative boundaries

0 500 Km

© EuroGeographics Association for the administrative boundaries

Guadeloupe Martinique

Açores

Madeira

REGIOgis



Land-use efficiency of cities

Built-up area per inhabitant, EU regions, 2012

ca km nor mn	Urban	Inter-	Rural	
sq. km per mn inhabitants	regions	mediate	regions	
		regions		
EU-28	97	230	368	
EU-15	94	221	372	
EU-13	126	260	362	

Source: JRC European Human Settlement Map and DG REGIO calculations

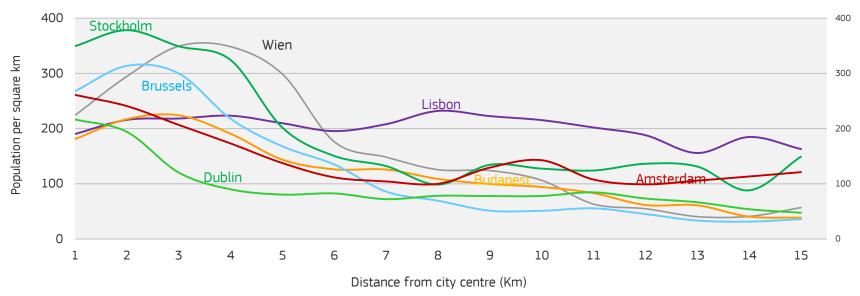
- Dwellings in cities are smaller and more vertical
- Offices are more vertical
- Energy use for transport, heating and cooling also lower in cities





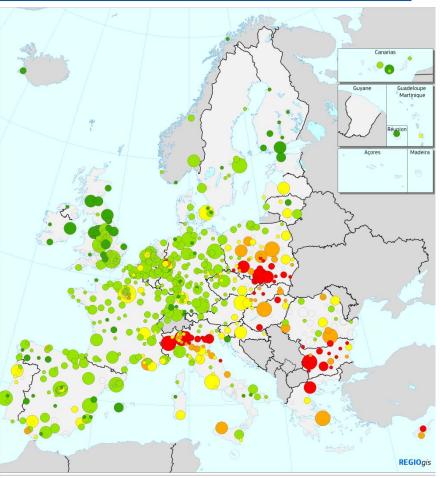
Density drops away from the centre

Population density profile of selected mid-sized European capital cities, 2006



Source: Batista e Silva, F. et al. (2012)





PM10 daily average concentration, 2011

© < 100000

0 100001 - 250000

> 5000000

250001 - 500000

500001 - 1000000

1000001 - 5000000

μg/m³

< 21

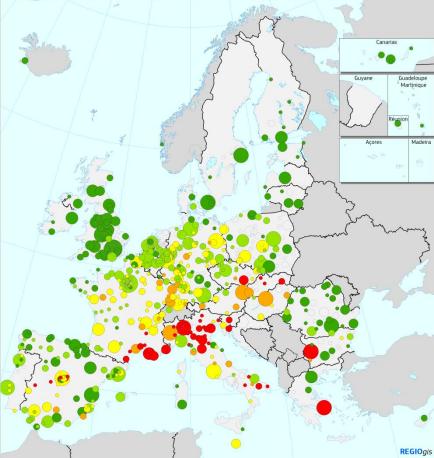
21 - 31

0 31 - 44

9 44 - 67

no data

> 67





Ozone concentrations, 2011

<= 5

5 - 14

0 14 - 23

23 - 32

No Data

• > 32

Number of days with > 120 μg/m³ City population

< 100000

100001 - 250000

> 5000000

250001 - 500000

500001 - 1000000

1000001 - 5000000

Note: Average for measuring stations within city bounderies Source: EEA, DG REGIO

0 500 K

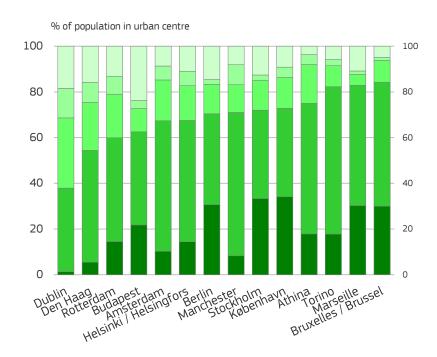
© EuroGeographics Association for the administrative boundaries

Regional & Urban Polic Note: Average for measuring stations within city bounderies Source: EEA, DGREGIO



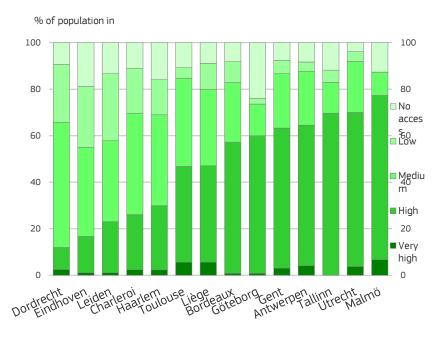
Large cities have better access to public transport

Access to public transport in large European cities, 2012



Source: Dijkstra, L. and Poelman, H. (2014)

Access to public transport in mid-sized European cities, 2012



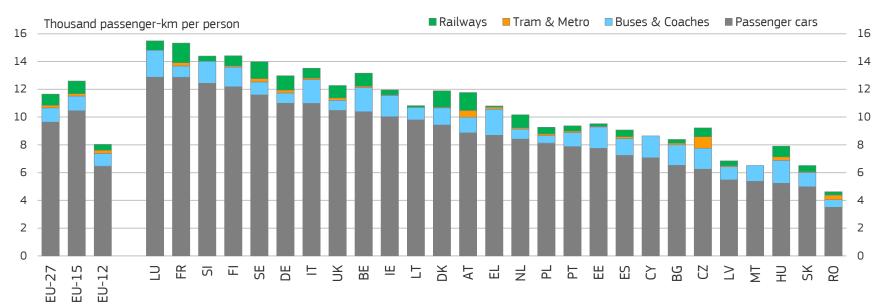
Source: Dijkstra, L. and

Regional & Urban Policy



Passenger cars predominate, especially in EU-15

Passenger-km by transport mode, 2012



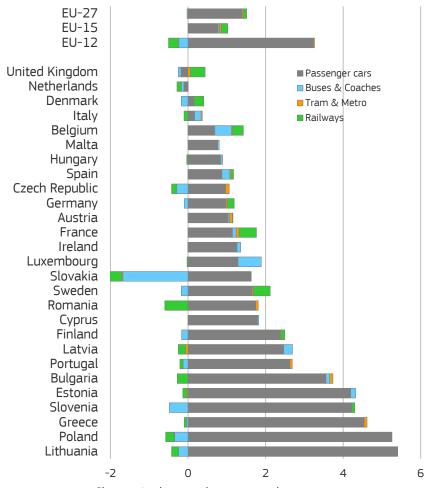
Source: EU transport in figures: Statistical pocketbook 2013



Car dependency

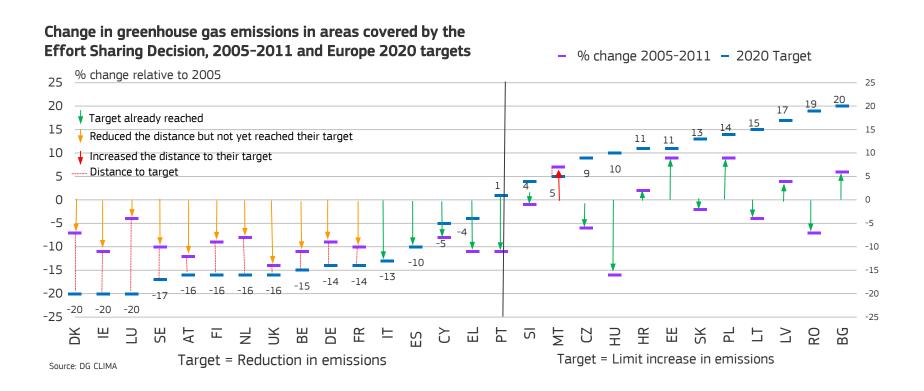
- Growth primarily in passenger-km by car
- High growth in car travel in EU-12, combined with decline of public transport

Change in passenger-km by transport mode, 1995-2011

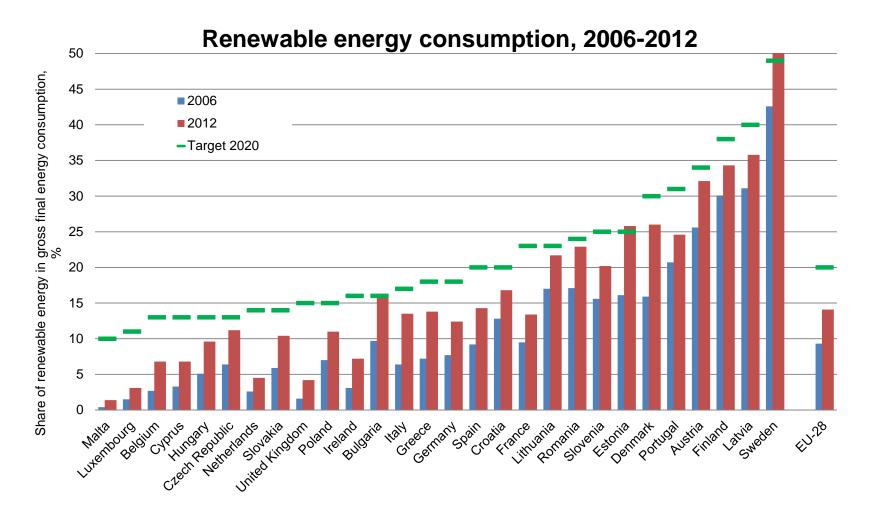




Non-ETS GHG emissions are shrinking



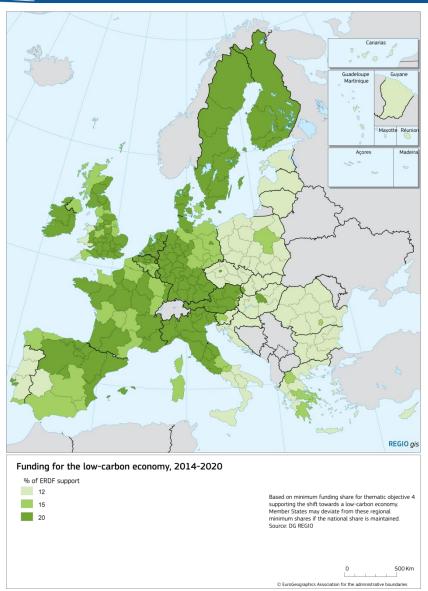






Low-carbon economy

- Minimum ERDF support between 12% and 20%
- 37 billion euro foreseen in Partnership Agreements





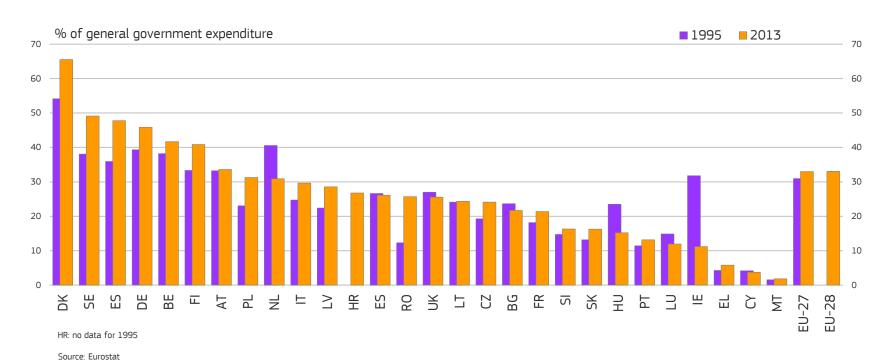
PUBLIC INVESTMENT, GROWTH AND THE CRISIS





Local and regional authorities spend 1/3 of government expenditure

Figure 4.7 Sub-national government expenditure, 1995 and 2013





But their expenditure dropped

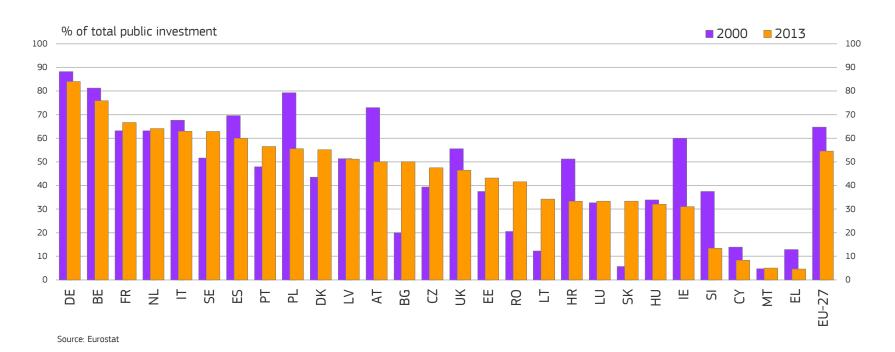
Figure 4.11 Average annual change in sub-national government expenditure, in real terms, 2000-2009 and 2010-2013





Local and regional authorities spend over half of public investments

Figure 4.10 Sub-national governments investment, 2000 and 2013





But investment dropped even faster

Figure 4.13 Average annual change in sub-national government investment, volume, 2000-2009 and 2009-2013

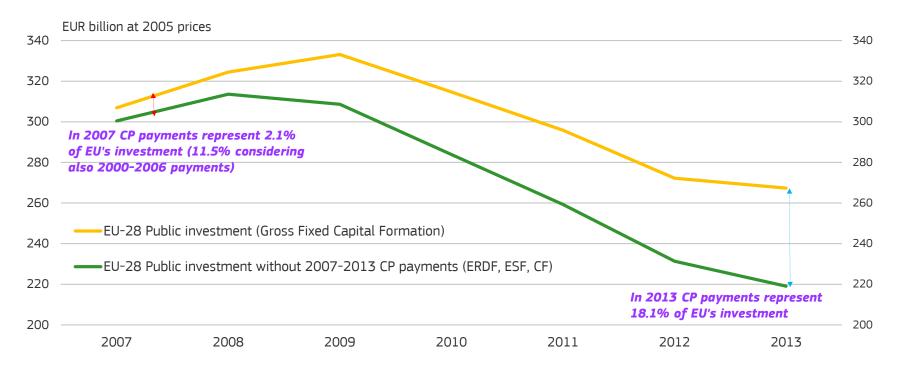


Regional & Urban Policy



Cohesion Policy's growing share of total public investment

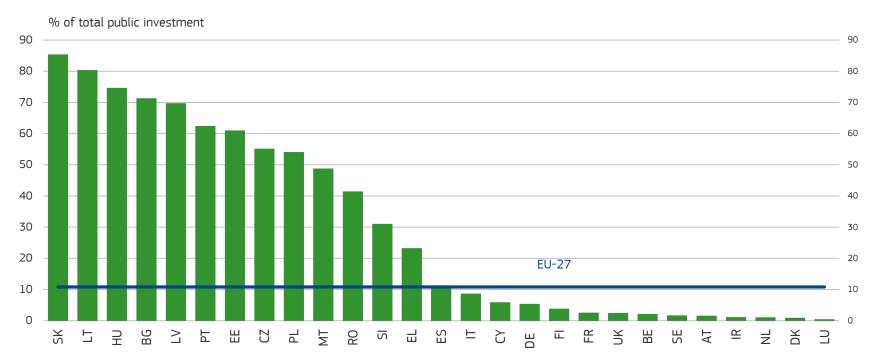
Contribution of Cohesion Policy (CP) to public investment, EU-28, 2007-2013





Especially in EU-12

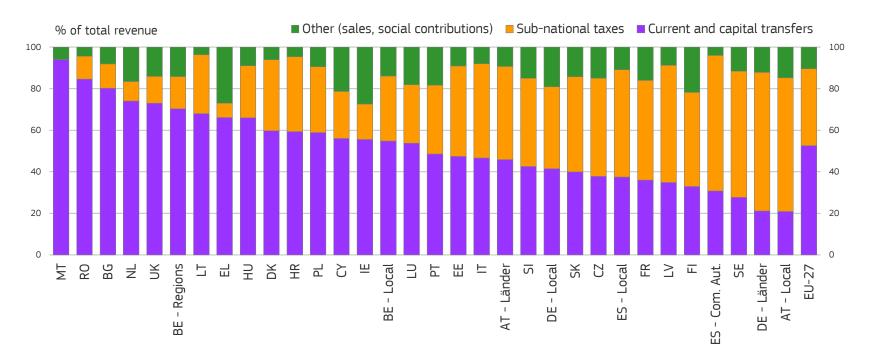
Share of ERDF, ESF and Cohesion Fund allocations and national co-financing in total public investment, average 2011-2013





Half the revenue of local and regional authorities are transfers

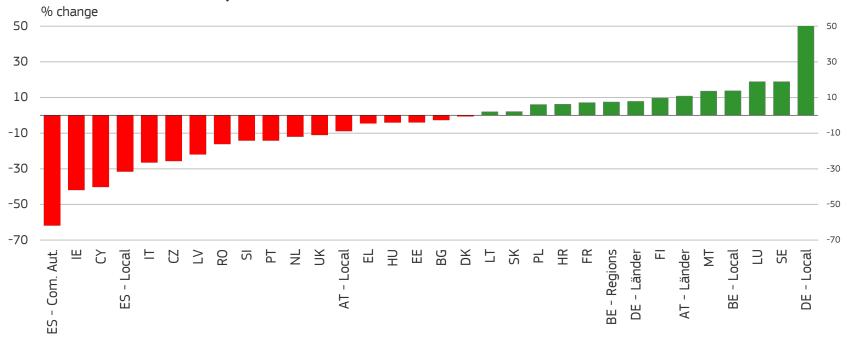
Figure 4.17 Sources of sub-national government revenue, 2013





And net transfers dropped

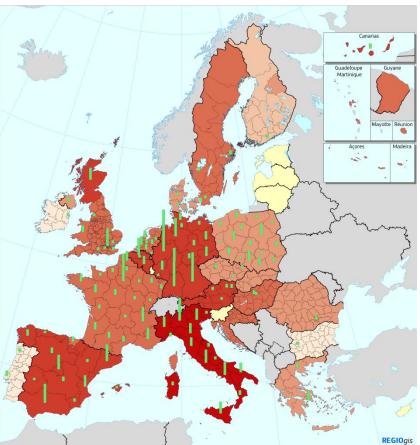
Change in net transfers from central to state and local governments, in real terms, 2009-2013



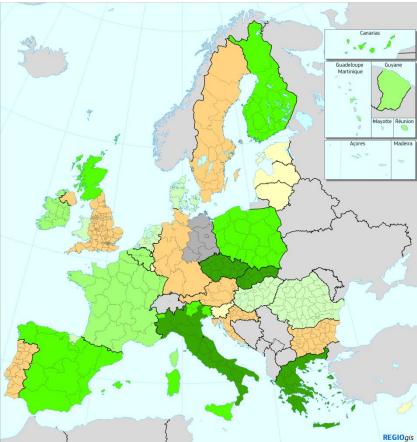


GOOD GOVERNANCE









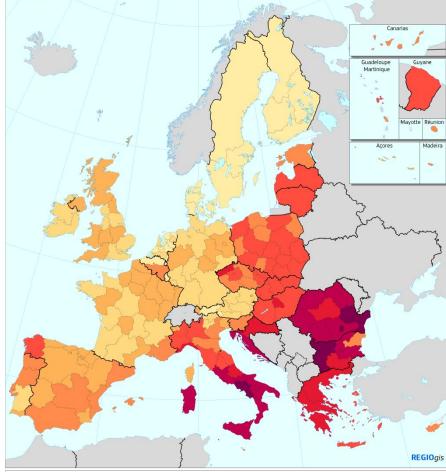


© EuroGeographics Association for the administrative boundaries



Governance

Poor governance slows down Cohesion Policy implementation, reduces its impact and hinders economic growth and entrepreneurship



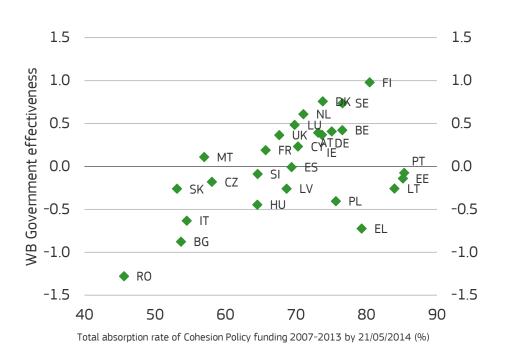




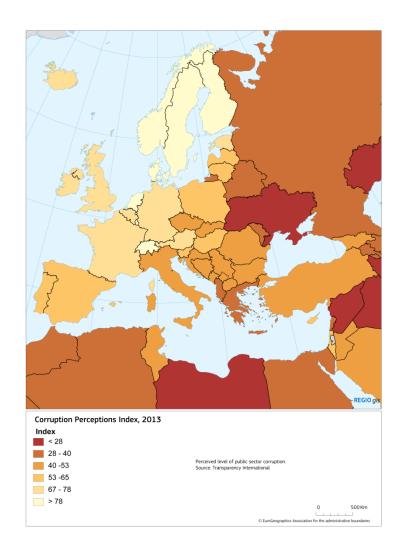




Absorption of Cohesion Policy funding and



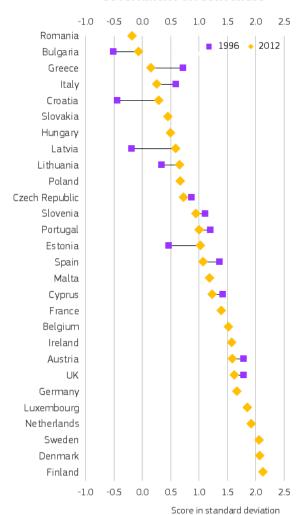
Source: World Bank and SFC





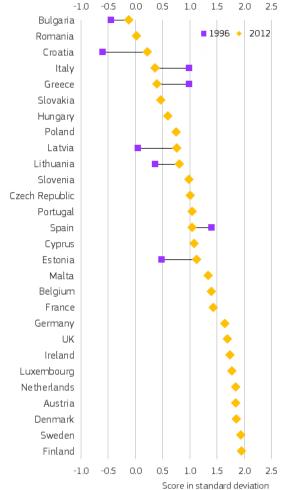
World Bank Indicators, 1996-2012

Government effectiveness



World Bank Indicators, 1996-2012

Rule of law





EVOLUTION OF COHESION POLICY





First and second nature

- Remoteness
- Island
- Mountain
- Rural area
- Sparsely populated area
- Natural handicaps

- Under-investment in public capital stock
- Low accessibility
- Low human capital
- Low innovation
- Low institutional quality
- Agglomeration and clusters





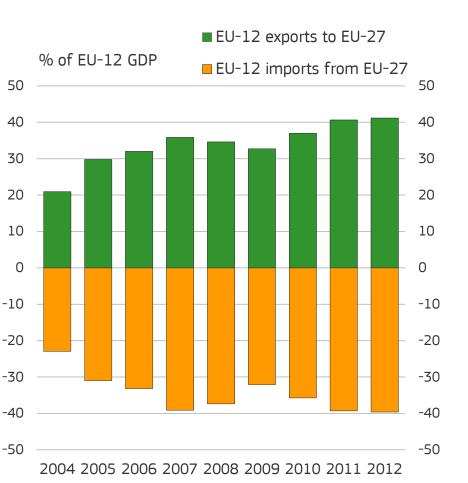
Cohesion and the single market

• Single market will reduce economic growth in most less developed regions due to lack of critical mass and competitiveness

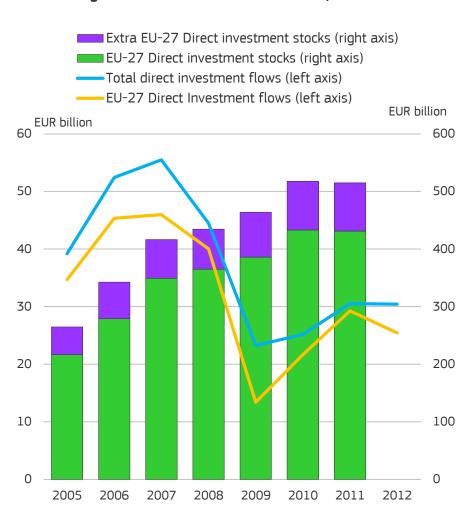
• Single market will help most less developed regions due to increased specialisation and comparative advantages



Trade between the EU-12 and EU-27 relative to GDP, 2004-2012



Foreign Direct Investment in the EU-12, 2005-2012



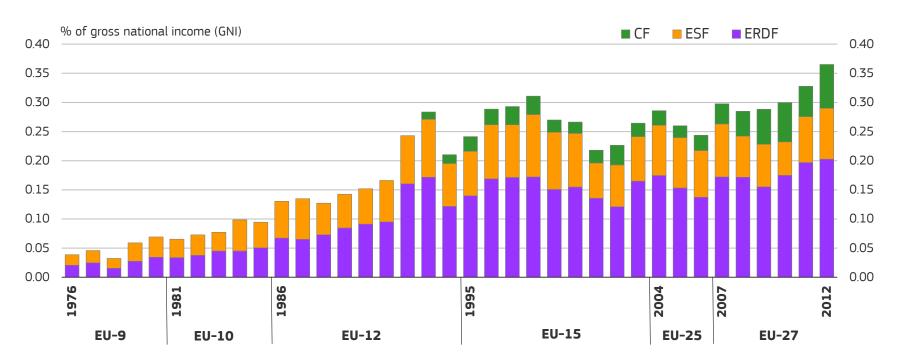
Source: Eurostat

Source: Eurostat



A growing source of investment

Cohesion Policy expenditure, 1976-2012



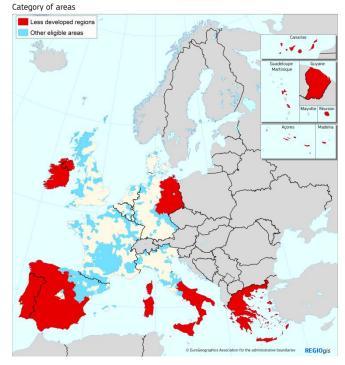
Source: DG BUDG, AMECO, DG REGIO calculations



Simplifications of categories

5 Categories

Structural Funds Eligible Areas, 1989-1993

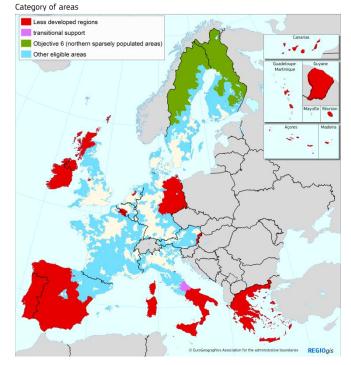




Simplifications of categories

 7 categories including the first transition category

Structural Funds Eligible Areas, 1994-1999

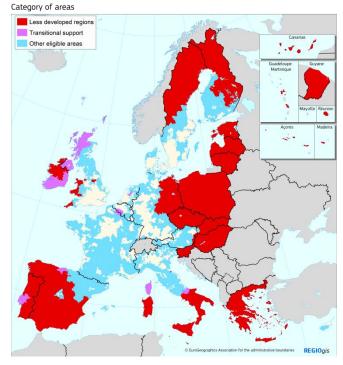




Simplifications of categories

- 4 categories:
 - Objective 1
 - Phasing-out
 - Objective 2
 - Objective 3 (ESF)

Structural Funds Eligible Areas, 2000-2006

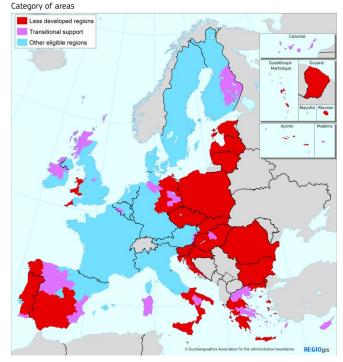




Simplifications of categories

- 3 categories
- Full coverage

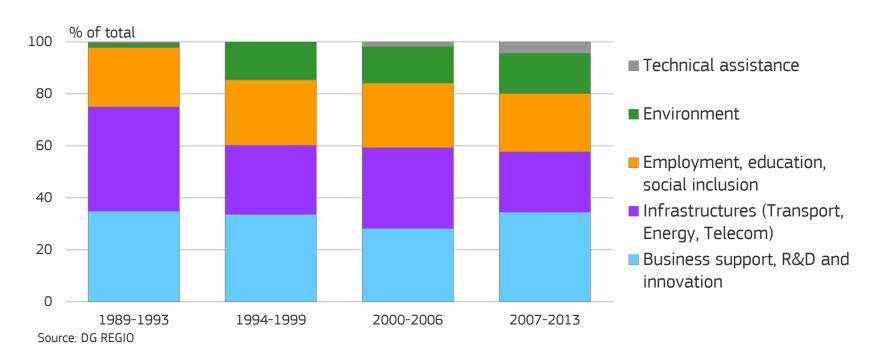
Structural Funds Eligible Areas, 2007-2013





A stronger focus on key priorities

Composition of Cohesion Policy investment in less developed regions, 1989-2013





IMPACT OF COHESION POLICY





Impact on EU economies

Evaluations have shown that cohesion investments have contributed to improving the structure of the EU economies by:

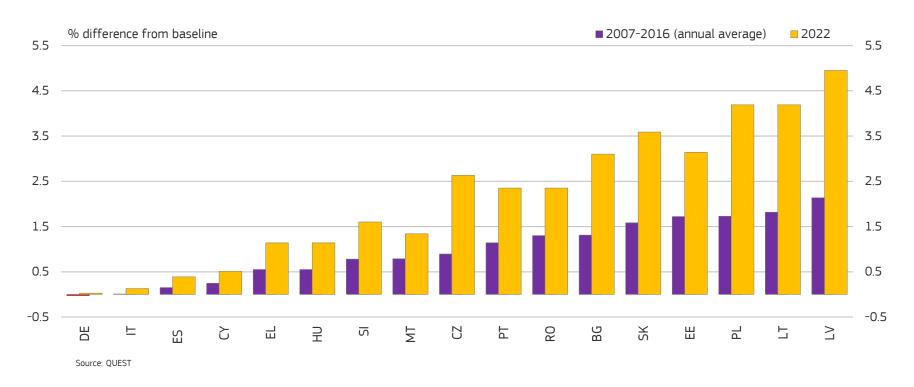
- enhancing the performance of enterprises, increase their investment and employment, particularly for SMEs.
- increasing firms activities in R&D and their capacity to innovate
- improving public infrastructure
- improving the matching between supply and demand on the labour market

At the macro level, model simulations show that Cohesion Policy has a significant impact on GDP, in particular in the Member States which are the main beneficiaries of the policy.



Big impacts on Poland and Baltic States

Estimated impact of Cohesion Policy for the 2007-2013 period on GDP





Tangible benefits of cohesion policy in 2007-2013

- 594 000 jobs created at least 262 000 in SMEs
- 77 800 start-up companies supported
- 2 700 KM of new or reconstructed railways
- 25 800 KM of new or reconstructed roads
- Broadband access for 5 million citizens
- Access to clean drinking water for 3.2 million citizens
- ESF: 15 million participants per year
- 940 financial instruments in 25 Member States rising EUR 12.6 billion € OP funding (including EUR 8.36 billion structural Funds) for equity, loans and guarantees

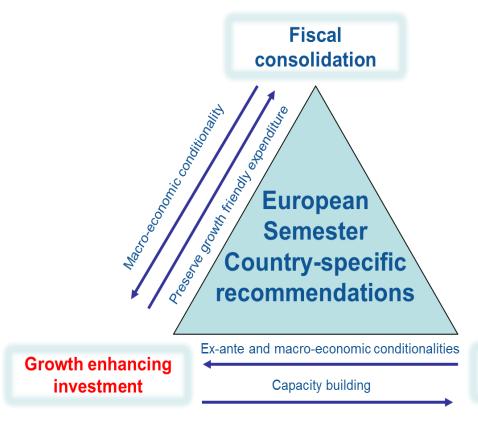


COHESION POLICY 2014-2020





Cohesion Policy 2014-20 in the EU economic policy mix



Country-specific recommendations are the <u>reference</u> for Partnership Agreements and programmes

Structural reforms

(COHESION POLICY)





Cohesion Policy 2014-2020

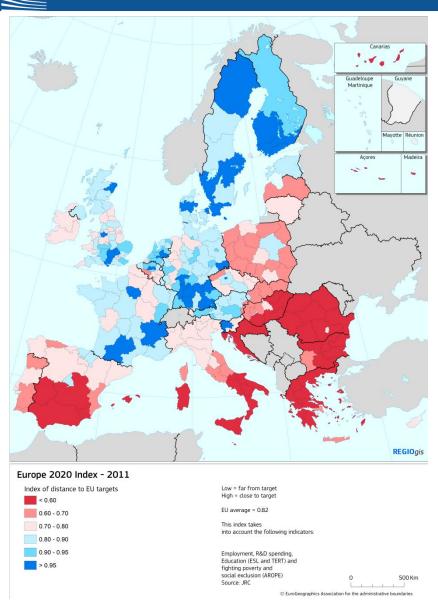
- Focus on growthenhancing investments
- Concentration on Europe 2020 priorities
- Improving governance

- Linked to the European Semester
- Linked to structural reform through ex-ante conditionalities



Europe 2020

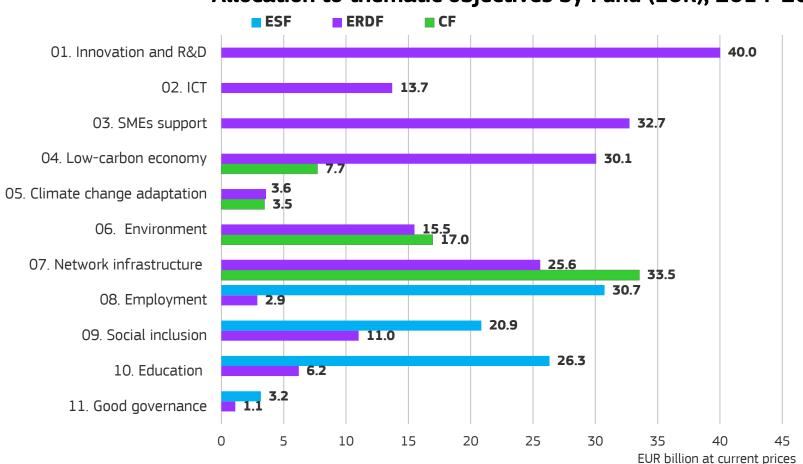
 Less developed regions furthest removed from both EU and national 2020 targets



Chapter 6



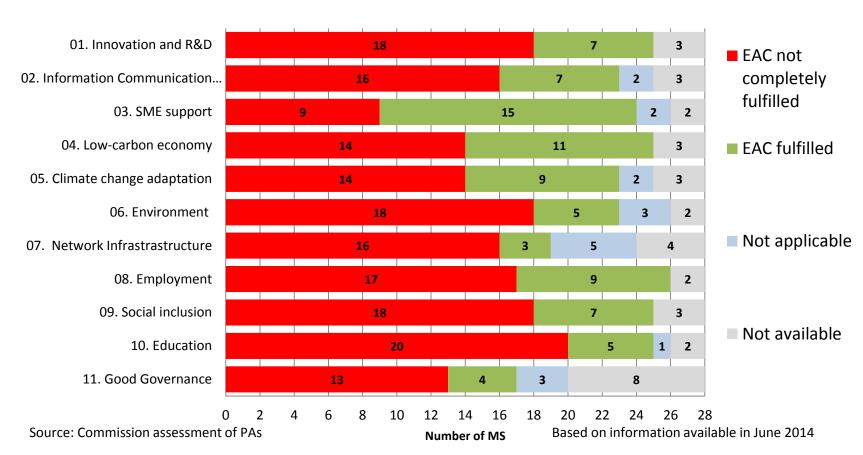
Allocation to thematic objectives by Fund (EUR), 2014-2020



Source: Final and draft partnership agreements as of 1 June 2014 $\,$

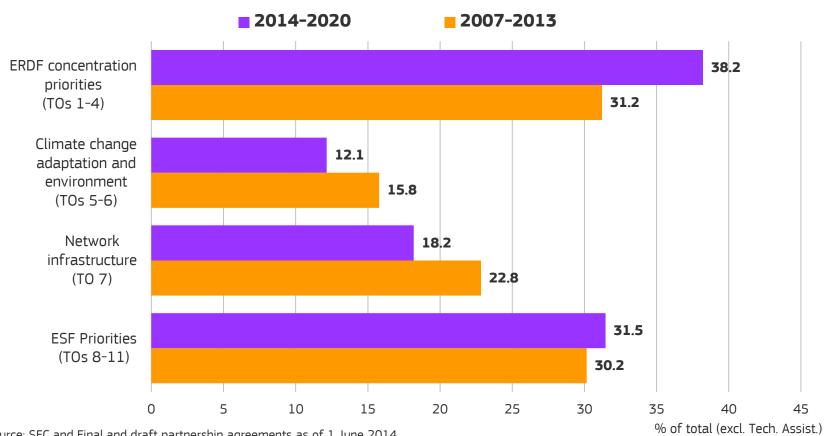


Ex-ante conditionality is challenging



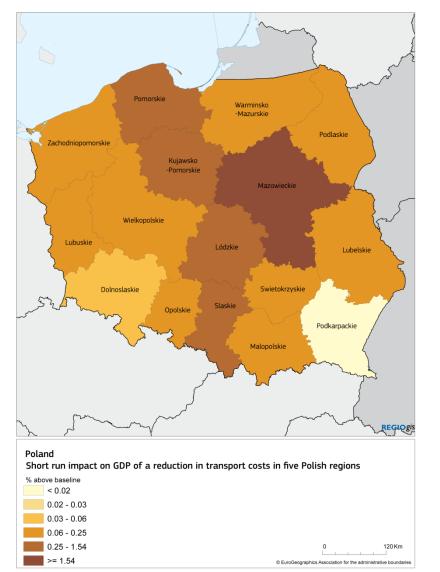


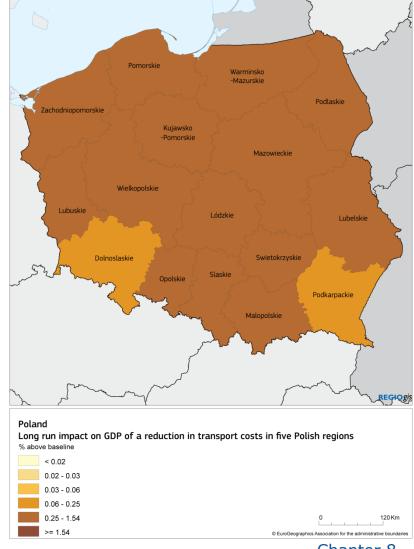
Allocation by thematic objective, EU-28, 2014-2020 and



Source: SFC and Final and draft partnership agreements as of 1 June 2014

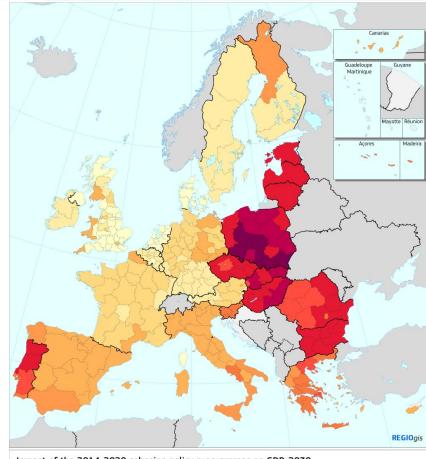


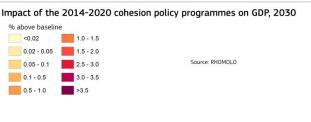






- Cohesion Policy will significantly boost GDP per head in less developed regions
- The impact over time will spread to main trade partners
- Better core TEN-T network strengthens market integration and specialisation.





© EuroGeographics Association for the administrative bound



Conclusions

- Real challenges
 - Regional economic disparities
 - Increasing unemployment, poverty and exclusion
- Real impact
 - Growth and jobs, innovation, networks, sustainable development
- Real change
 - Linked to Europe 2020 and the European Semester
 - Concentrated on EU priorities

