



**EUROPEAN TERRITORIAL COOPERATION  
2007-2013**

**"ALPINE SPACE"  
ANNEX TO THE OPERATIONAL  
PROGRAMME**

**Approved by EC: September 20th 2007**

**Participating countries**  
Austria, France, Germany, Italy, Liechtenstein,  
Slovenia, Switzerland

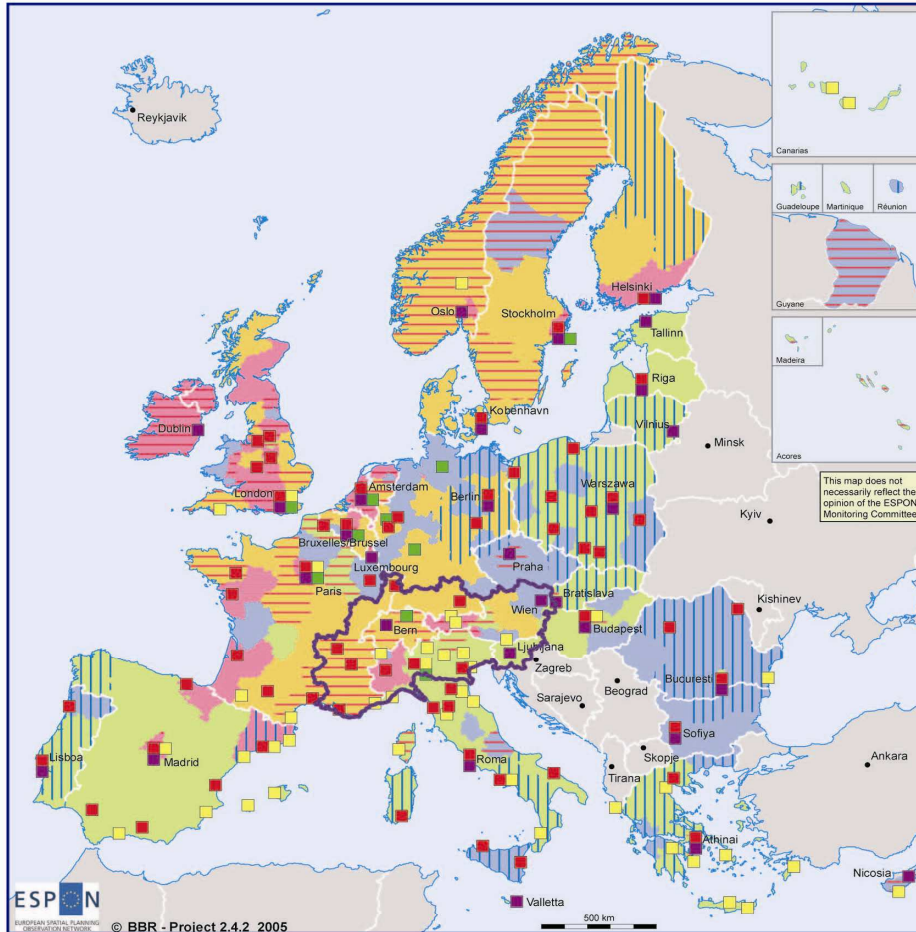


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## **ANNEX: THEMATIC MAPS**

Map 1: Economic setting and Lisbon orientation (source: ESPON Database).



**Economic setting and Lisbon orientation**

- Economically strong with high Lisbon orientation
- Economic growth potential with deficits in Lisbon orientation
- Less distinct economic trend with high Lisbon orientation
- Weaker economic trend with deficits in Lisbon orientation

**Dominance of selected functions of national / european and global significance of the ESPON FUA's**

- University  Tourism
- Administration  Decision making

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**Labour Market**

According to the Regional Classification of Europe combined indicator value in relation to the regional average of ESPON countries

- below average
- above average

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Regional level: NUTS 2  
Origin of data: ESPON 1.1.1 Nordregio; ESPON 2.4.2 BBR, own calculations

Source: ESPON database

**Economic setting: aggregate of 2 indicators:**

- GDP (GDP per capita in PPS 2002) +
- GDP growth (Growth in GDP per capita in PPS 1995-2002, in %) +

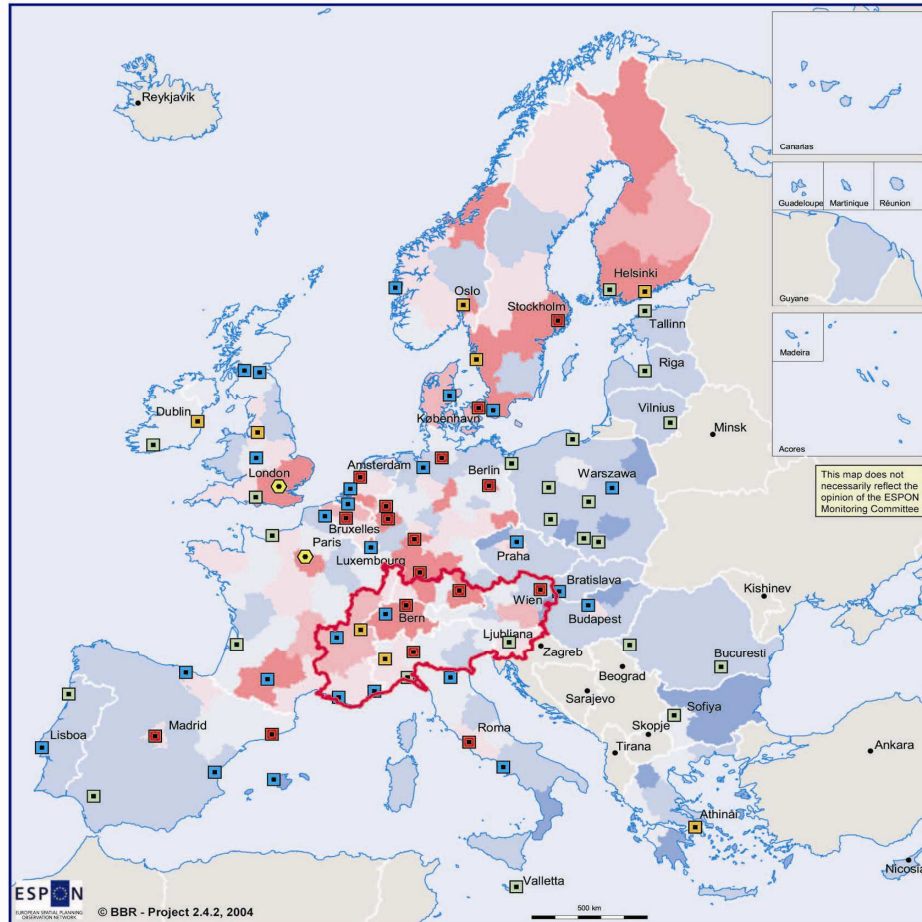
**Lisbon orientation: aggregate of 6 indicators:**

- Productivity (GDP per person employed 2002) +
- Employment rate (Employed population / population aged 15-64 2003) +
- Expenditure on R&D (Expenditure on R&D / Total GDP 2001) +
- R&D Business Enterprise Sector (Personnel / 1.000 active person 2001) +
- High educated population (Highly educated population / total educated population 2002) +

**Labour market: aggregate of 6 indicators:**

- Unemployment (Unemployment rate 2003) -
- Development of unemployment (Change of unemployment rate 1999-2003 in pp) -
- Youth unemployment (Unemployed <25 years per 1.000 inh. 15-<25 years 2003)
- Labour force replacement ratio (Population ages 10-19 / pop. ages 55-64) +
- Employment density (Number of persons employed per km2 2003) +
- Employment in tertiary sector (Share of total employment 2003) +

**Map 2: Importance of Research and Development in NUTS III regions (source: ESPON Database).**



**Importance of research & development \***

- up to -1
- 1 to below -0.5
- 0.5 to below 0
- 0 to below 0.5
- 0.5 to below 1
- 1 and more

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

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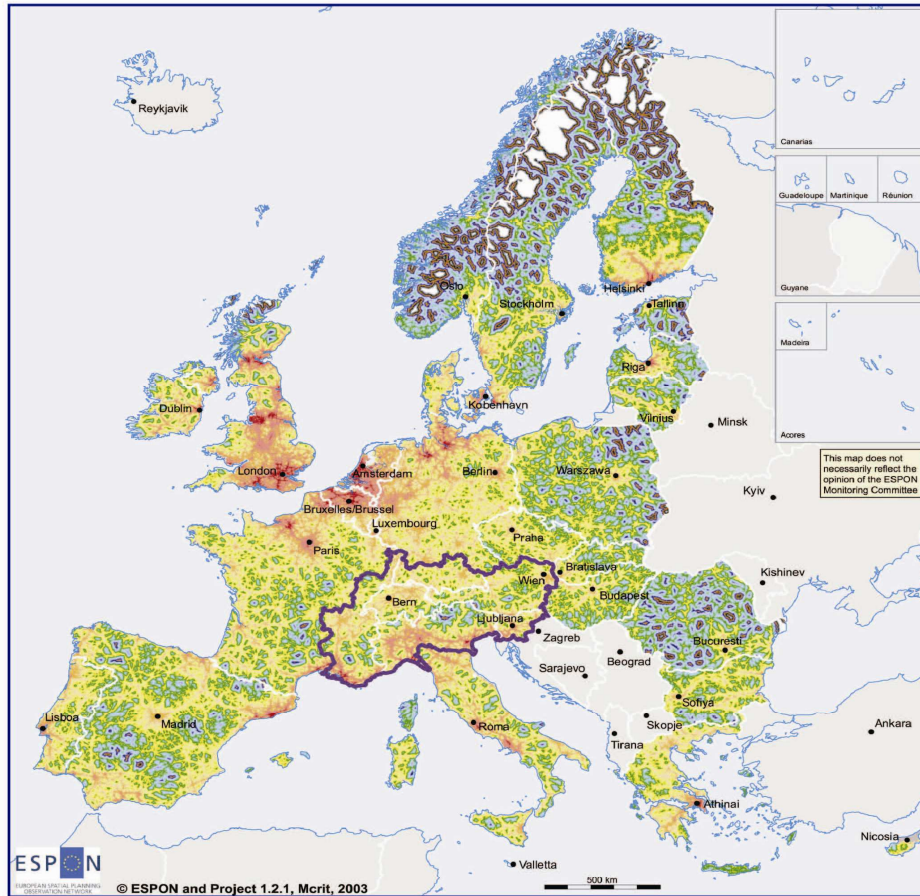
**Metropolitan Growth Areas**

- ◆ Global City
- European engine
- Strong MEGA
- Potential MEGA
- Weak MEGA

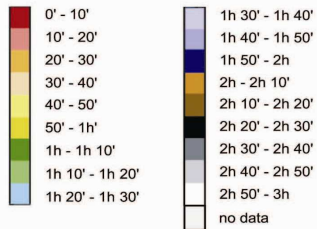
© EuroGeographics Association for administrative boundaries  
Regional level: NUTS 3  
Origin of data: TAURUS, BBR project 3.1 for R&D; Nordregio project 1.1.1 for MEGA's

Source: ESPON Database

**Map 3: Connectivity to transport terminals (source: ESPON Database).**



**Access time**

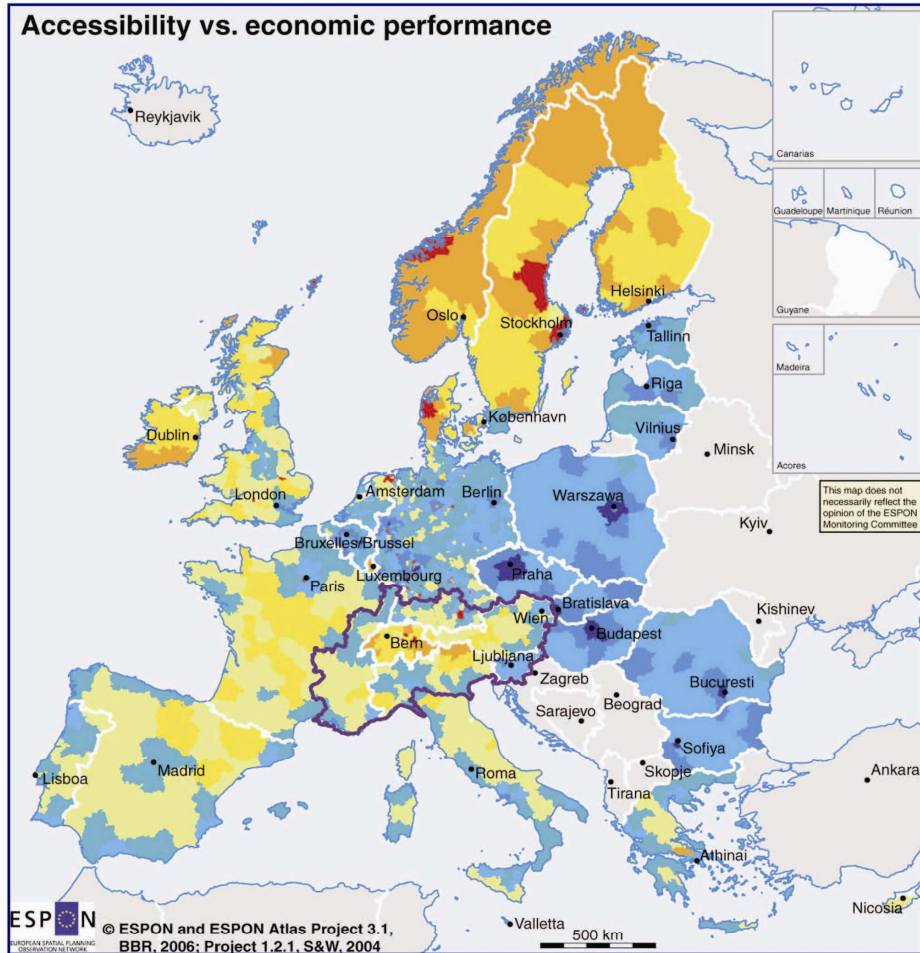


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 Origin of data: ASSEMBLING graph,  
 European Commission  
 Cyprus: data for government controlled areas only  
**Source: ESPON Database**

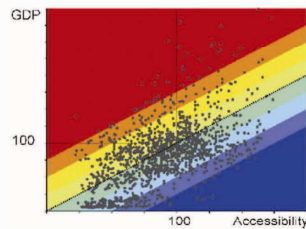


**Map 4: Accessibility and economic performance (source: ESPON Database).**



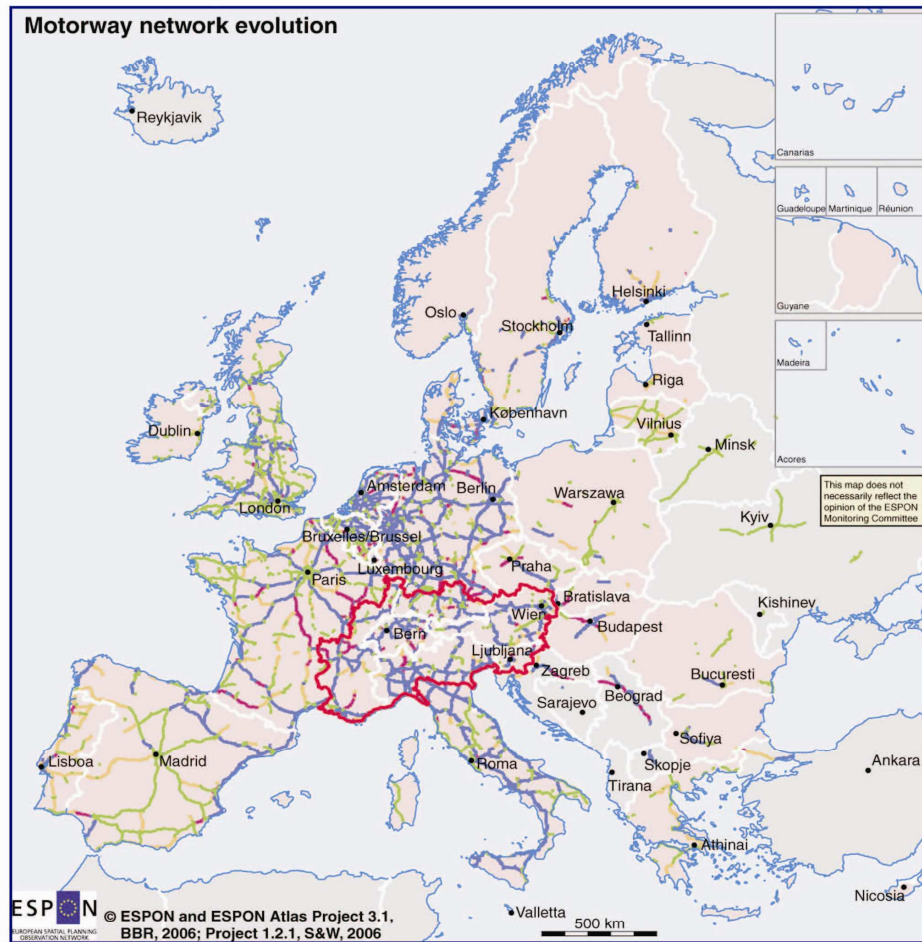
**Relation of economic performance and location**

- Strong underperformance
- Clear underperformance
- Underperformance
- Little underperformance
- Little overperformance
- Overperformance
- Clear overperformance
- Strong overperformance
- no data
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Regional level: NUTS 3  
Origin of data: ESPON Project 1.2.1  
**Source: ESPON database**

**Map 5: Evolution of the motorway network (source: ESPON Database).**



**Motorway network**

- Existing in 1981
- Added until 1991
- Added until 2001
- Dual carriageways 2001
- no data

Boundary of the Alpine Space Transnational Co-operation Area 2007-2013

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Origin of data: ESPON project 1.2.1, Spiekermann & Wegener (S&W)  
**Source: ESPON database**



**Map 6: Degree of naturalness of European NUTS II regions (source: ESPON Database).**



**Degree of naturalness as an aggregate of 3 indicators:**

- Artificial surface (Share of total area, CORINE) -
- Natural surface (Share of total area, CORINE) +
- Agriculture intensity (Output/input ratio) -

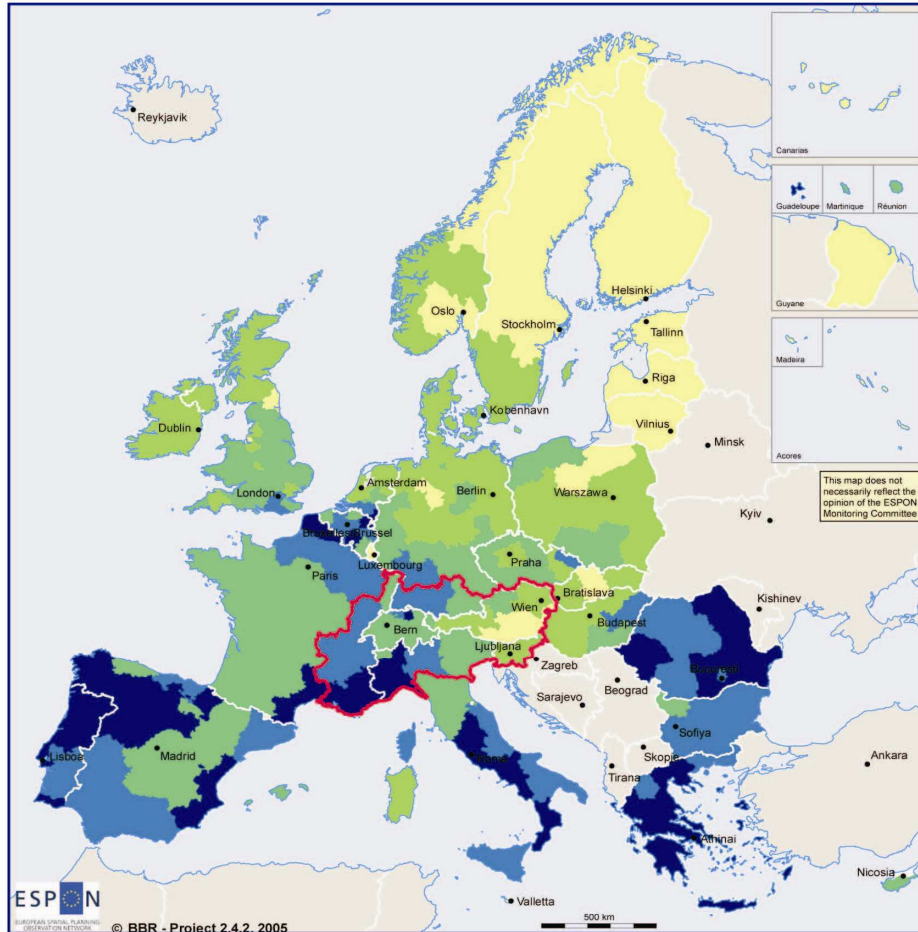
- Below average
- Moderately below average
- Average
- Moderately above average
- Above average

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 Regional level: NUTS 2  
 Origin of data: ESPON 3.1 Taurus,  
 ESPON 2.4.2 BBR, own calculations  
 Cyprus: data for government controlled areas only  
 Source: ESPON database

**Standardised based on the European mean value**

**Map 7: Natural hazards in European NUTS II regions (source: ESPON Database).**



**Degree of natural hazard exposure as an aggregate of 5 indicators:**

- Flood events (Regional average number of flood events 1987-2002) -
- Winter storms (Approximate probability of having winter storms) -
- Earthquakes (Earthquake hazard potential) -
- Dry spell & drought (Change of dry spell combination with drought) -
- Forest fires (Forest fires hazard 1997-2003 in biographic correlation) -

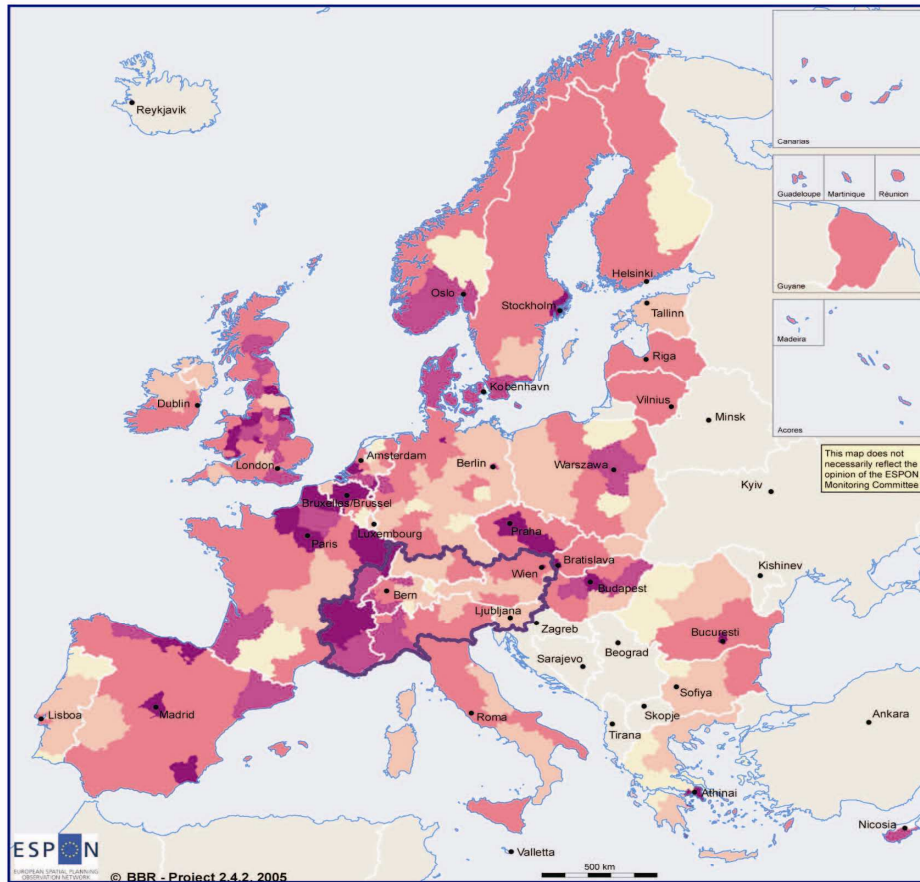
- Below average
- Moderately below average
- Average
- Moderately above average
- Above average

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 Regional level: NUTS 2  
 Origin of data: ESPON 1.3.1 GTK,  
 ESPON 2.4.2 BBR, own calculations  
 Cyprus: data for government controlled areas only  
**Source: ESPON database**

**Standardised based on the European mean value**

**Map 8: Technological hazards in European NUTS II regions (source: ESPON Database).**



**Degree of technological hazard exposure as an aggregate of 2 indicators:**

- Oil hazards -
- Chemical plants (Density of chemical plants) -

- Below average
- Moderately below average
- Average
- Moderately above average
- Above average

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 Regional level: NUTS 2  
 Origin of data: ESPON 1.3.1 GTK,  
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