



Use of ESPON by European Institutions Workshop on 6 May 2009 in Bruxelles

A snapshot of themes and results from the ESPON programme



ESPON 2013 Programme

- Support EC Cohesion Policy development
- Comparable information and evidence on European regions and cities covering
- Research and analyses of territorial structures, trends, perspectives and policy impacts
- Reveal territorial capital and potentials
- Policy demand driven
- Use of ESPON with stakeholders
- Scientific platform for territorial science
- 31 countries included
- Budget: 47 mio. Euro, 2007-2013

5 Priorities

- Priority 1: Applied research on territorial development, competitiveness and cohesion
- Priority 2: Targeted analysis based on user demands/ European perspective to different types of territories
- Priority 3: Scientific platform and tools/ Territorial indicators, data, analytical tools and scientific support
- Priority 4: Capitalisation, ownership and participation/ Capacity building, dialogue and networking
- Priority 5: Technical assistance, analytical support and communication plan

Thematic projects (ESPON 2006)

- Polycentric urban development
- Urban-Rural relations
- Enlargement and polycentric development
- Demographic trends and migration
- Transport trends, services and networks
- Telecom trends, services and networks
- Information society
- Natural and technological hazards
- Natural heritage and management
- Cultural heritage and identity

Policy Impact projects (ESPON 2006)

- EU Transport and TEN policies
- EU Research and Development policies
- EU Common Agricultural and Rural Development policies
- Energy trends and impacts of EU Energy Policy
- European Fisheries Policy
- EU Structural Funds
- EU Pre-Accession Aid
- EU Structural Funds in Urban Areas
- ESDP Application and effects in Member States
- Governance of territorial and urban policies
- Environment trends and impacts of EU Environmental Policy
- Integrated analysis of transnational and national territories



Coordinating cross-thematic projects (ESPON 2006)

- Integrated tools and coordination
- Spatial scenarios
- Lisbon/Gothenburg Strategy
- Europe in the World
- EU Economic Policies and location



Preparatory studies and scientific support projects

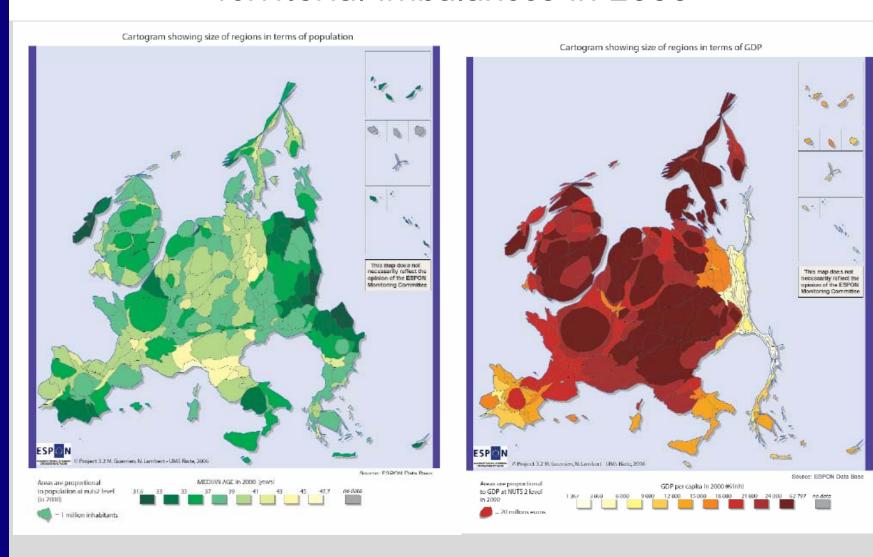
- The role of small and medium-sized cities
- Social dimension of EU territorial development
- Urban Functions
- Feasibility of flow analyses
- Spatially relevant aspects of Tourism
- The modifiable areas unit problem

Scientific briefing and networking (ESPON 2006)

- Indicators monitoring territorial development
- Data Navigator 1: Main data sources in European countries
- Data Navigator 2: Handbook for data collection
- Update of selected data and maps

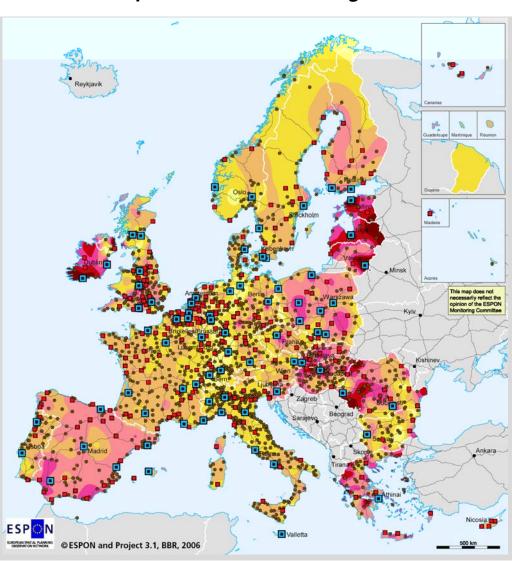


Territorial imbalances in 2000





European Urban system

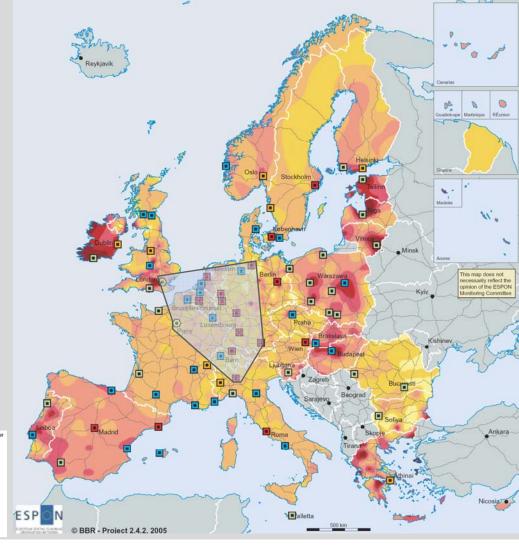




Main European metropolitan areas

- Metropolitan areas important economic drivers in the European/ global context
- •Pentagon (14-32-46)
- High GDP growth in areas with relatively lower GDP level
- Increasing importance of Metropolitan regions in proximity of and outside the core (Pentagon)





Economic Lisbon performance

7 out of 14 Lisbon indicators:

- (1) GDP/capita,
- (2) GDP/employed person,
- (3) Employment rate,
- (4) Employment rate of older workers,
- (5) Gross domestic expenditure on R&D
- (6) Dispersion of regional (un)employment rates
- (7) Long-term unemployment

Perf**6416**nce

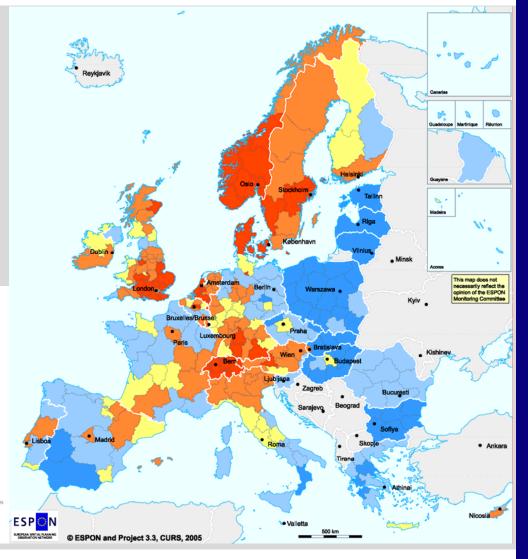
Number of indicators in the upper quartile minus number of indicators in the lower quartile

- > 3 Primarily high performance
- 1 3
 - 0 Medium performance
- -3 -1
 - < -3 Primarily low performance

© EuroGeographics Association for administrative bou Regional Revel : RUTS 2 Origin of data: Eurostat, national statistical officces

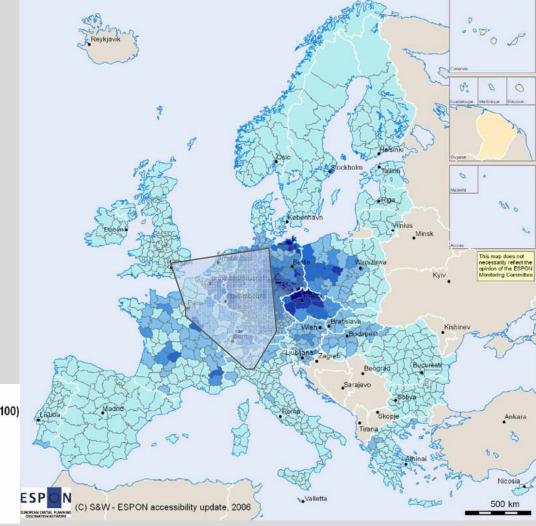
No data available

Cyprus: Data for government controlled areas or



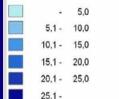
Absolute change of potential accessibility by road between 2001 and 2006

- Areas in the vicinity of the Pentagon are improving in potential accessibility by road
- Eastern fringe of the Pentagon is gaining the most



Potential accessibility

Road, absolute change 2001-2006 (EU27 absolute average in 2006 = 100)



(C) EuroGeographics Association for the administratives boundaries

Data sources: RRG GIS Database S&W Accessibility Model



Aggregated natural and technological hazards

Natural hazards:

- Avalanches
- Drought potential
- Earthquakes
- Extreme temperatures
- Floods
- Forest fires
- Landslides
- Storm surges
- Tsunamis
- Volcanic eruptions
- Winther and tropical storms These values are then weighted

Technological hazards:

- Air traffic hazards
- Major accident hazard
- Nuclear power plants
- Oil processing, storage and transportation

This map shows the aggregated hazard typology based on 15 hazard indicators. Every indicator gives the value from 1 to 5 depending on the magnitude of the hazard in the NUTS 3 area. For the class "no data" value is 0. on base of expert opinion (Delphi method questionary). At the end the sum of 15 weighted indicators are classified on base of percentile rank. For instance, NUTS 3 areas that belong in 90-100 percentile have their score greater than or equal to 90% of the total of all the summed hazard values.

Hazard classification

0-10 percentile
10-25 percentile
25-75 percentile
75-90 percentile
90-100 percentile

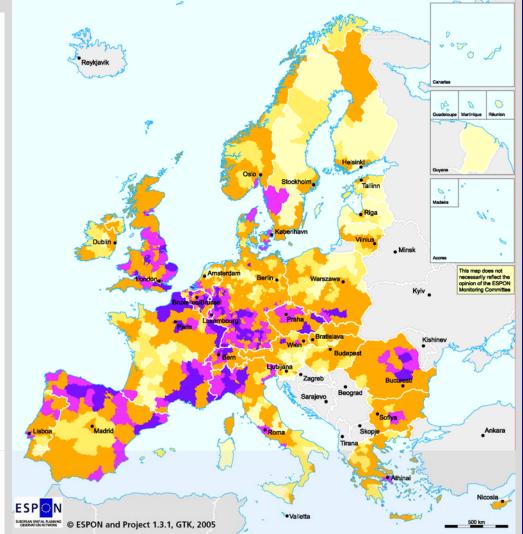
no data

for the administrative boundaries

Regional level: NUTS 3

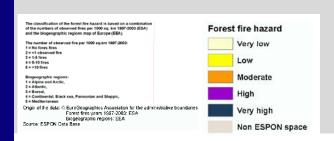
Origin of data: ESPON Project 1.3.1, G1

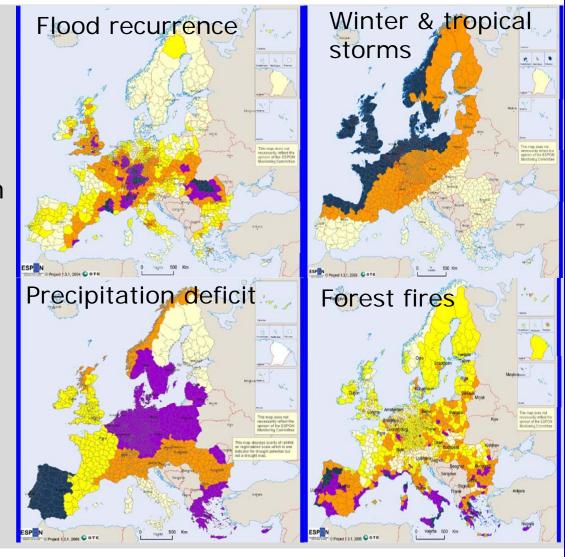
Source: ESPON database



Natural Hazards

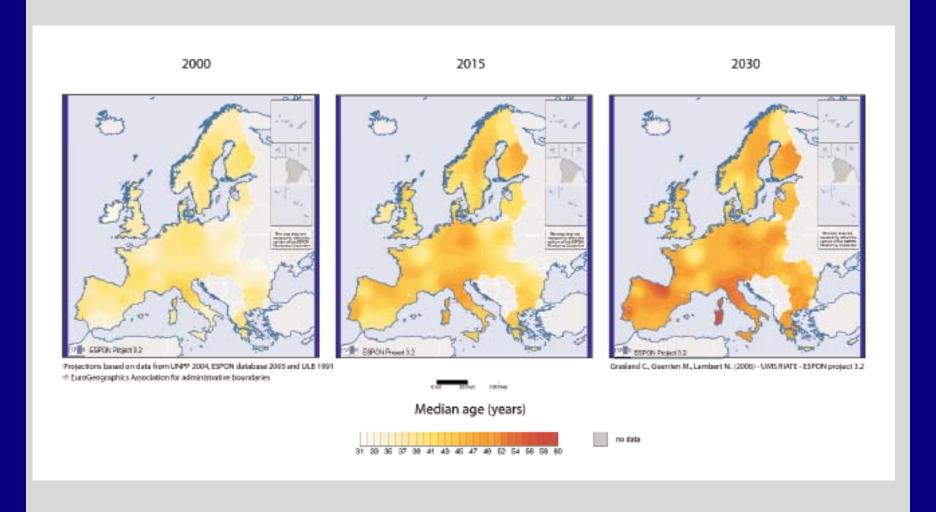
- Southern Europe: Forest fires and drought hazards
- Western and Northern Europe: Winter storms, storm surges and floods
- Climate: Affects frequency, intensity and coverage





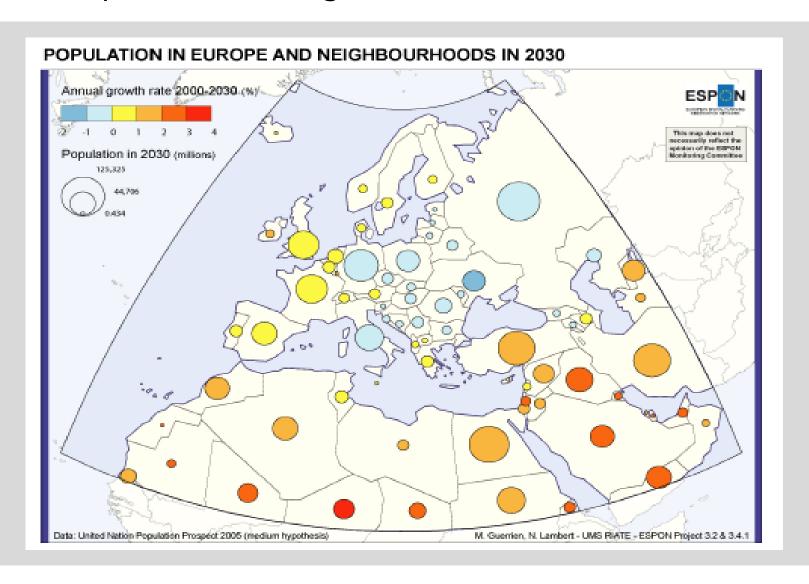


Population ageing towards 2030





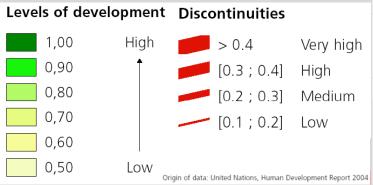
Europe and its neighbourhood towards 2030

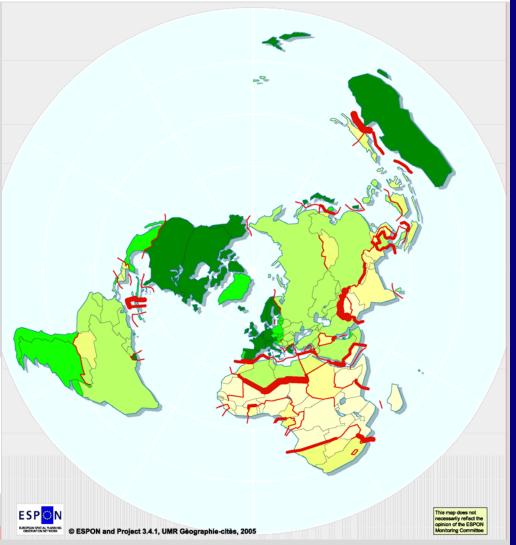




Human development index 2002 – Global component

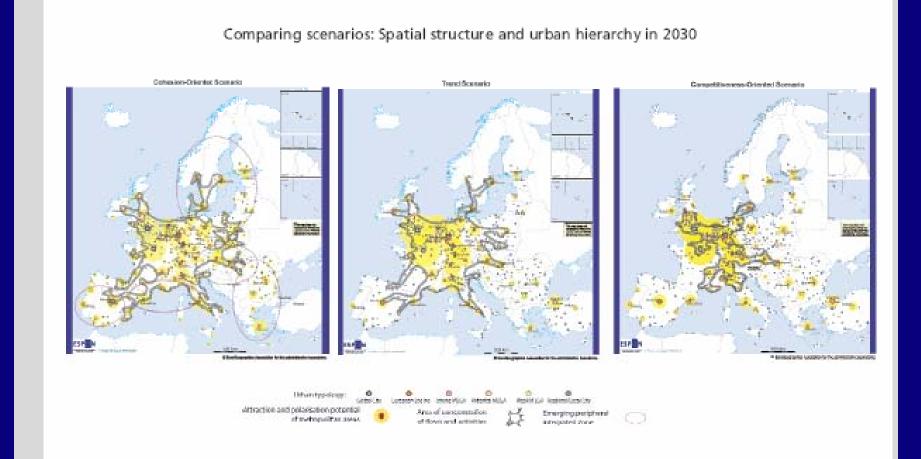
- The majority of European countries have a high level of human development.
- Main discontinuity between the EU and its neighbours in the South.
- Another major discontinuity is located in the Sahara between Northern Africa and the Sub-Sahara countries.





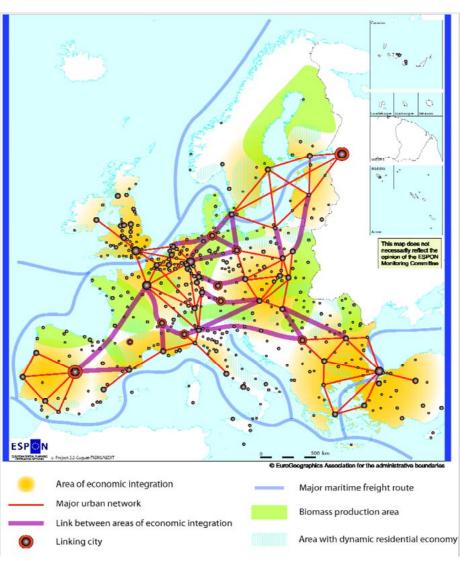


Comparing territorial effects of scenarios 2030





A proactive scenario image 2030





More information

Thank you for your attention!

More information on ESPON results can be found on

www.espon.eu