TECHNICAL REPORT

ESPON

UPDATE OF ESPON DATABASE 2006 INTO THE 2013 VERSION

MAIN RESULTS

- Two ESPON Databases can be considered within the previous programme. An internal, used by ESPON projects and an external available on ESPON Website which synthesizes and presents as a clear way ESPON 2001-2006 results.
- The update of the ESPON Database available on Web appears more logical.
- Thanks to the new data and metadata model developed in the ESPON DB Project, the level of description of each indicator is improved.
- Expected integration in the ESPON 2013 DB: December 2010

ESPON 2013 DATABASE

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INVESTING IN YOUR FUTURE

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Introduction

One of the main objective of challenge 1 – collection of basic regional data – is to " *be able in a short delay to connect the new information elaborated by ESPON 2013 Program with former datasets elaborated by ESPON 2006 Program*" (First Interim Report of ESPON 2013 Database Project). It is a clear fact that ensuring the continuity between the different ESPON databases is a crucial bullet point for the development of the ESPON Program. In other words, it raises the question of the integration and implementation of indicators produced by ESPON 2006 Program into the new version of the database.

However this work is not obvious at all. Some questions have to be answered before making any update: What information is contented in the former ESPON Database? Is all information interesting? If not, which indicators have to be integrated? How making possible the concordance between the two different metadata template? … and so on.

The aim of this paper is to try to establish some milestones in this way. In a first section, we will make a global overview of the previous ESPON Database. Considering this expertise, we will propose a strategy for the update of indicators. Finally, we will discuss about the degree of precision of the update considering the possibilities which exist with the new metadata template.

1 Overview of the ESPON 2006 Database

In concrete terms, ESPON 2006 Database is developed in two parts: an "internal" database, dedicated to ESPON Projects during the ESPON Program and an "external" one where people can download datasets with a limited number of constraints.

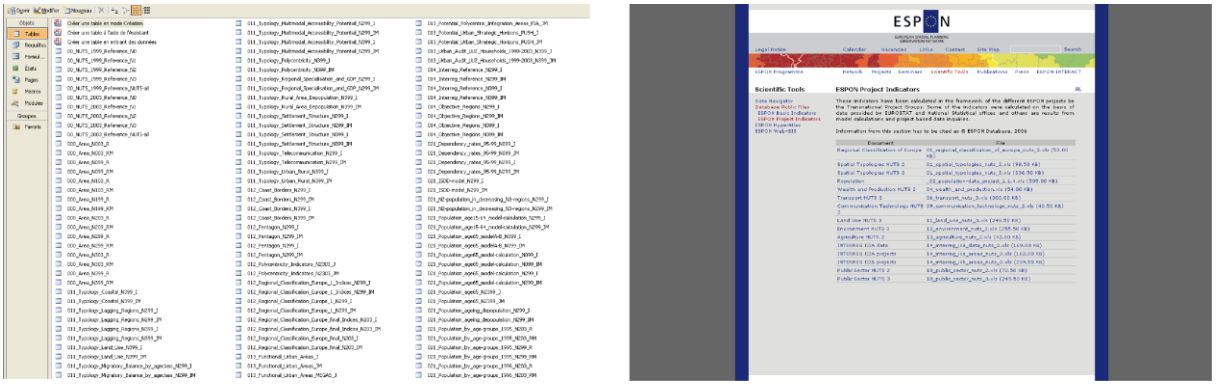

Figure 1 – The "Internal" (on left) and "external" (on right) ESPON 2006 Databases

1.1 The "internal" ESPON 2006 Database

UMS RIATE analysed the content of the internal ESPON 2006 Database to have a global overview of the information available within ESPON in June 2006[1]. The geographical coverage of the ESPON 2006 Database contains the ESPON area during the period of the program, that is to say the current ESPON area minus Iceland and Liechtenstein.

In June 2006, ESPON internal Database contains more than 4350 indicators[2] grouped into 361 tables structured **by themes** (figure 2). Regarding the structuring of the database, population and employment/labour market themes are over represented with 1036 and 1458 indicators. Reversely, some themes contain few indicators, such as tourism or communication (less than 20 indicators)

[1] It depicts the situation in June 2006. Some indicators has been added since this period (last version = April 2007). However, we can consider that these modifications do not change considerably the structure of this internal database.

[2] We consider that an indicator is a column of data in a table. For instance, if GDP in euros is described for NUTS0, NUTS1, NUTS2 and NUTS3 we consider that there is 4 indicators.

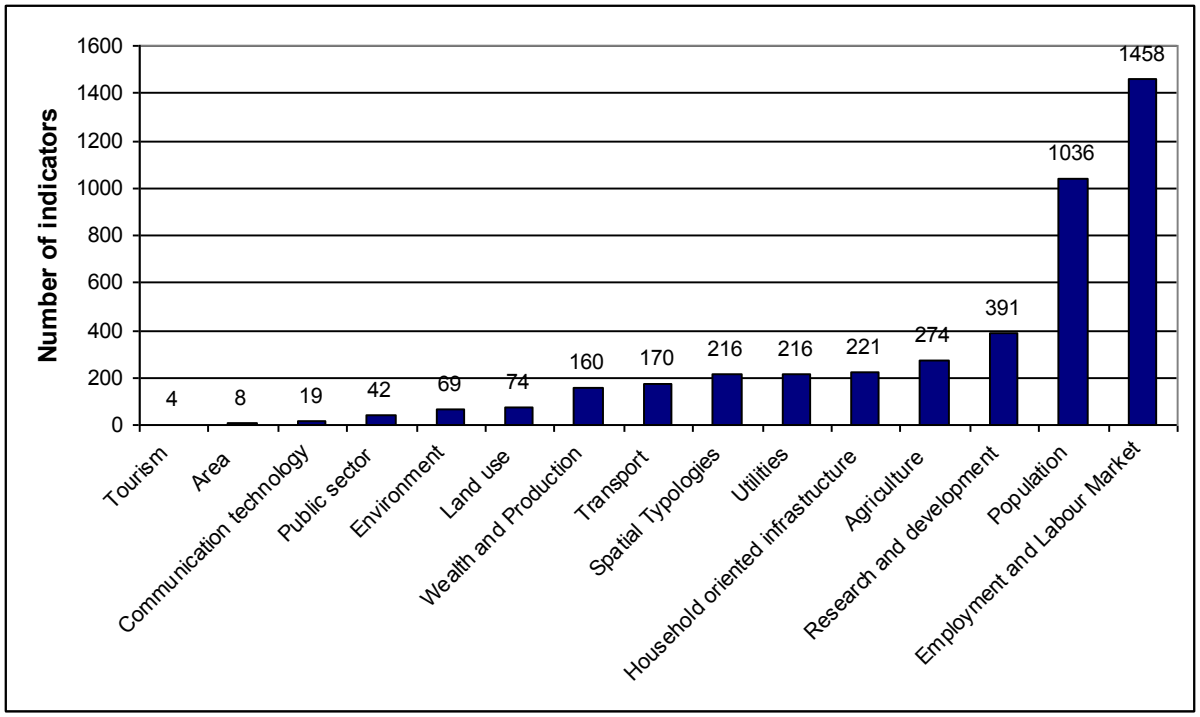

Figure 2 – Number of indicators by themes into the internal ESPON 2006 Database

The analysis of the quantity of information by **type of NUTS** (figure 3) reveals that most of the indicators have been collected in NUTS 2 (more than 3000 indicators, 70 % of the total) and in the NUTS 1999 version (3200 indicators, 74 % of the total.

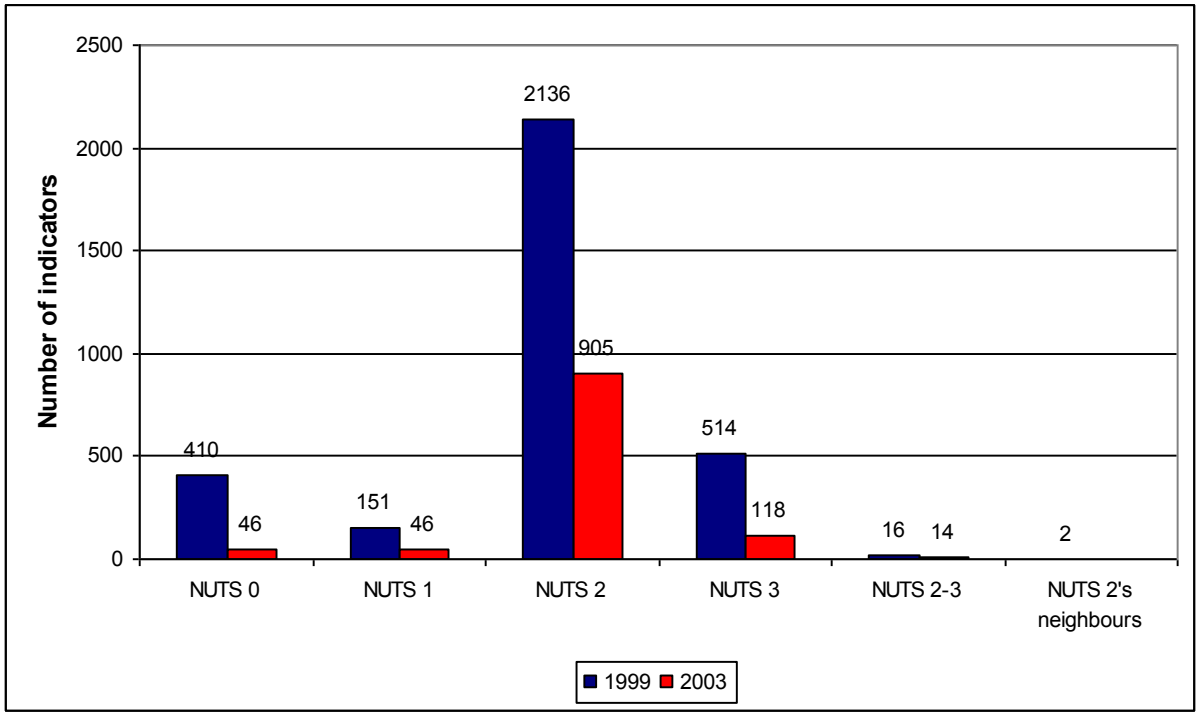

Figure 3 – Number of indicators by type of NUTS into the internal ESPON 2006 Database

Most of the indicators contained in the ESPON 2006 Database have a **period of reference** comprised from 1999 to 2003, 60 % of the total (figure 4).The Database proposed also some indicators described by an evolution. It is possible to have data from 1974 but the degree of completeness is small.

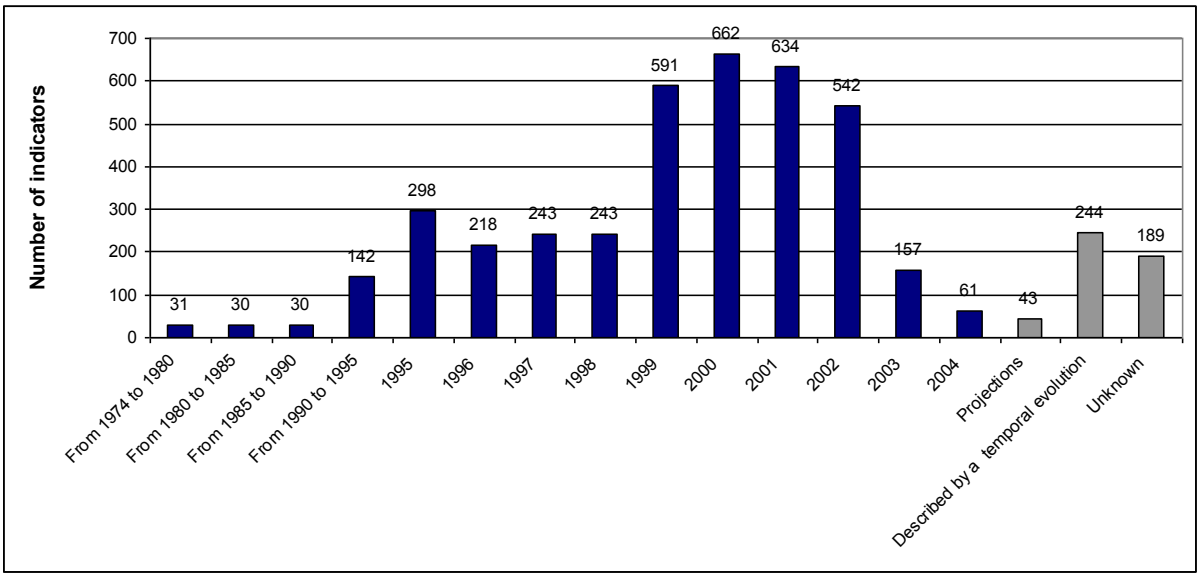

Figure 4 – Period of reference of indicators into the internal ESPON 2006 Database

Considering the **origin of the data**, 78 % of the indicators have a data source coming from Eurostat (Eurostat Regio mainly). The other indicators come from ESPON projects directly (typologies, calculation of innovative indicators) and other data centers, like the European Environmental Agency.

The degree of completeness of values in the different indicators of the database is very heterogeneous (figure 5). The main problem raised by researchers during the last ESPON program considering the database is that it was impossible to have an overview of the quality of information before downloading the dataset. Indeed, most of the indicators are described by a very poor completeness. Around 50 % of the indicators available can be characterised by too important missing values – no data, very poor or poor quality – to be used in the all ESPON area.
However, some indicators present a good degree of completeness. But it represents a minor part of the database (around 40 %) It is particularly the case for indicators described in NUTS0. In NUTS2 and NUTS3 the thematic field where this quality is the most important is wealth and production and population. In NUTS 2 or NUTS 3, most of the datasets are described by missing values in French overseas territories, Canaries, Madeira or Ceuta and Mellila.

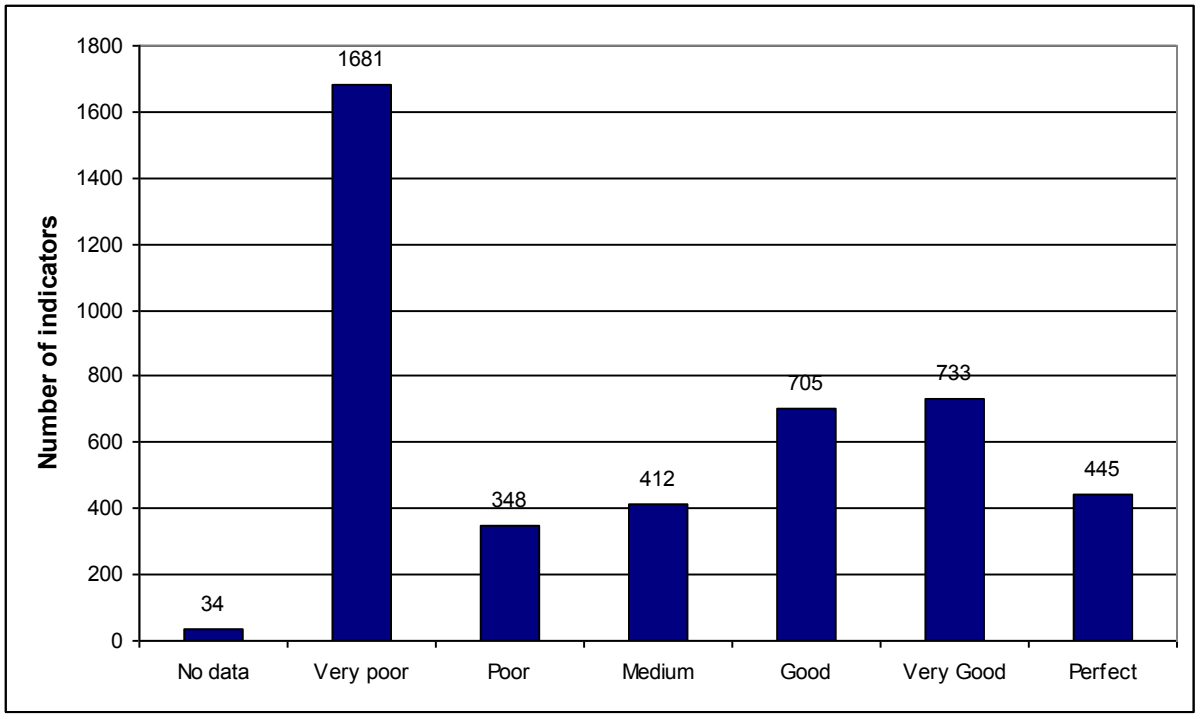

Figure 5 – Degree of completeness[3] of indicators into the internal ESPON 2006 Database

1.2 The "external" ESPON 2006 Database

The so called "external" ESPON 2006 Database is available on ESPON website[4] and is divided in two parts: "Basic indicators" and "project indicators. Basically the main difference between these two fields is that "Basic indicators" coming mainly from Eurostat (excepted for Switzerland and Norway where data come from National Statistical Offices) and has being made in form by ESPON community; on the contrary "project indicators" can be considered as an ESPON Projects production (new indicators, synthetic typologies and so on.

When considering the content of the database by **thematic field** (figure 6), we can notice that population concentrate the most part of the information (80 indicators coming from ESPON, 21 coming from Eurostat). But ESPON makes available a lot of synthetic typologies (47) which summarizes the scientific support of ESPON program to European statistical information. It shows also the synthesis work that has been done during the previous ESPON program.

[3] This classification is a result of a typology: "Perfect" means that 100 % of the data are available; "very good" means that there is a missing values for 1 country; "good" for 2-3 countries; medium for 4-5 countries; "poor" for 6-7 countries and "very poor" for more than 8 countries. The aim of this typology is not to be objective at all (specific cases appear regularly) but to give a global overview of the quality of information available on ESPON 2006 Database.

[4] *http://www.espon.eu/mmp/online/website/content/tools/832/index_EN.html*

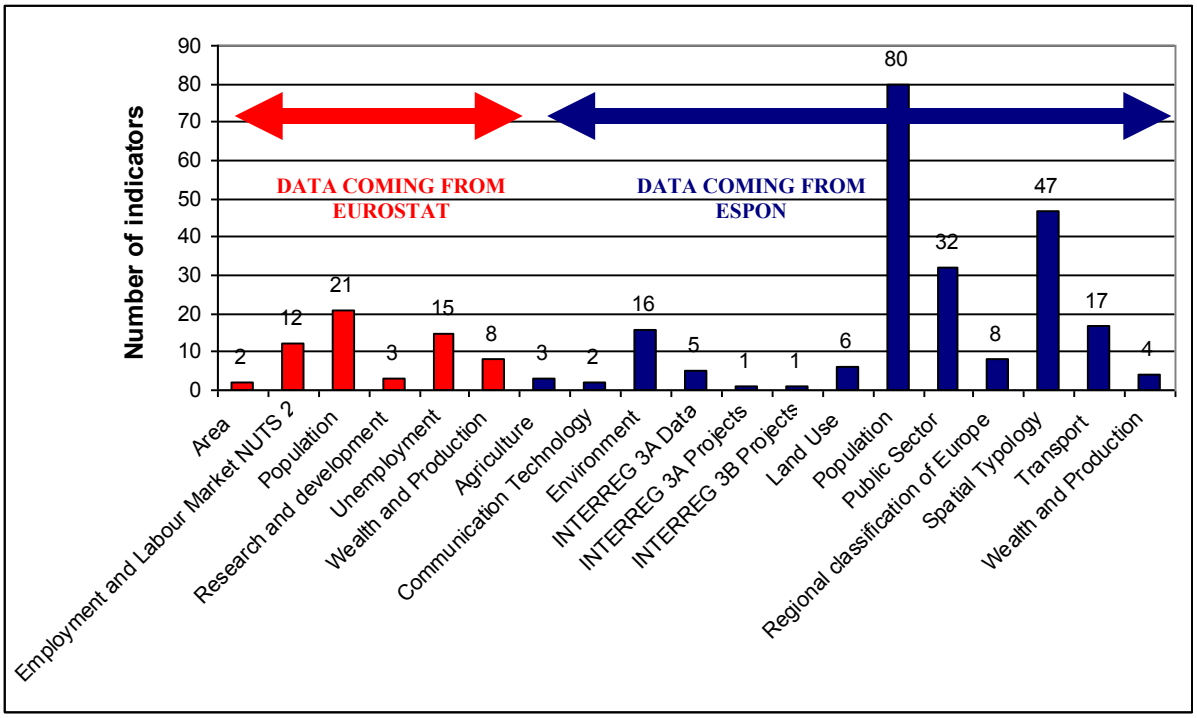

Figure 6 – Number of indicators by themes into the external ESPON 2006 Database

The geographical scope of ESPON 2006 Database available on line is the **regional one**. It contains data for NUTS 2 or NUTS 3 level (or a mix of NUTS 1-2-3). Most indicators are described in NUTS 1999 version and the main geographical level of analysis is NUTS 2.

	NUTS VERSION	
	NUTS 1999	NUTS 2003
NUTS2	126	33
NUTS3	89	23
Mix	12	0

Table 1 – Number of indicators by type of NUTS into the external ESPON 2006 Database

The degree of completeness of this database is great since most of the indicators are above 90 % (figure 7).

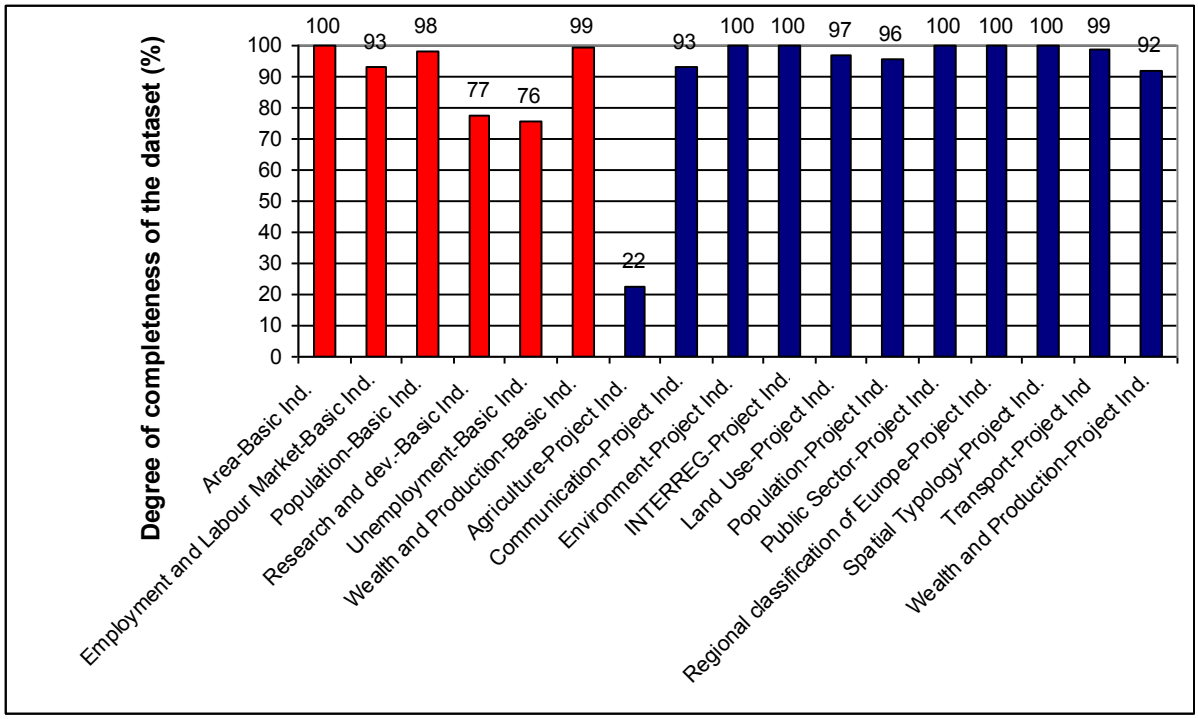

Figure 7 – Degree of completeness of the datasets of the external ESPON 2006 database by themes

2 What strategy for updating the ESPON 2006 Database?

2.1 Trying to integrate the external ESPON 2006 Database (available on the ESPON Website)

ESPON 2013 Database project proposes to focus the work of integration of indicators from the previous program into the external ESPON 2006 Database. Regarding to the part 1 of the paper, different reasons explain this choice:

- The **degree of completeness** of the datasets is significantly higher in the external than in the internal one. It does not make sense to update indicators which are characterised by 80 % of missing values.

- The fact that indicators from ESPON projects have been made available to the external world shows that the reflection needeen for choosing the **most pertinent** indicators produced by the program has already been done.

- It is impossible to integrate in a short term and in a good way more than **4 000 indicators** (internal ESPON Database) and continue to integrate data in a new database structure. The risk is high to make confusions.

2.2 Integrate both Eurostat indicators and ESPON indicators

As shown in the previous section, the origin of the data of ESPON 2006 Database is heterogeneous. However, data come mainly from Eurostat and ESPON projects. ESPON 2013 Database project proposes to integrate both indicators developed by ESPON Projects (called "ESPON Project indicators" in ESPON website) and collected from Eurostat website (called "basic indicators" in ESPON website).

The integration of selected indicators from ESPON 2006 Projects (ESPON Project indicators) does not raise any questions for us: they are the result of innovative methodology using knowledge in statistics and spatial analysis (spatial typologies, regional classification of Europe, estimations of missing values). This data has consequently have to be integrated in the ESPON Database in that form.

However, the question is more open for data coming from Eurostat. We have decided to store this information taking into account that it is not possible to obtain historical data on the Eurostat website. Eurostat proposes only data in the current NUTS version (e.g. NUTS 2006 version). It is possible to download this historical data by using the NewCronos Database (the historical database from Eurostat), which is not obvious for basic end-users (it requires using sql queries…). But it is important to keep in mind that indicators proposed by Eurostat are regularly revised. As an example we have compared the difference of values between two sources for a same indicator (total population in 2003): ESPON 2006 Database (origin of data: Eurostat, 2005) and Eurostat in 2009 (figure 8). If the data are the same for most of the NUTS2, 25 % of the values of total population in 2003 have been re-estimated (France, Slovakia, United Kingdom) since 2005. Indeed, considering that Eurostat revised regularly its basic indicators (population, employment, production), it is better to update these indicators by using directly official sources (national statistical offices, Eurostat). It implies that some values stored in the ESPON 2013 Database and coming from Eurostat are not necessary the same as the ones that are downloadable at present.

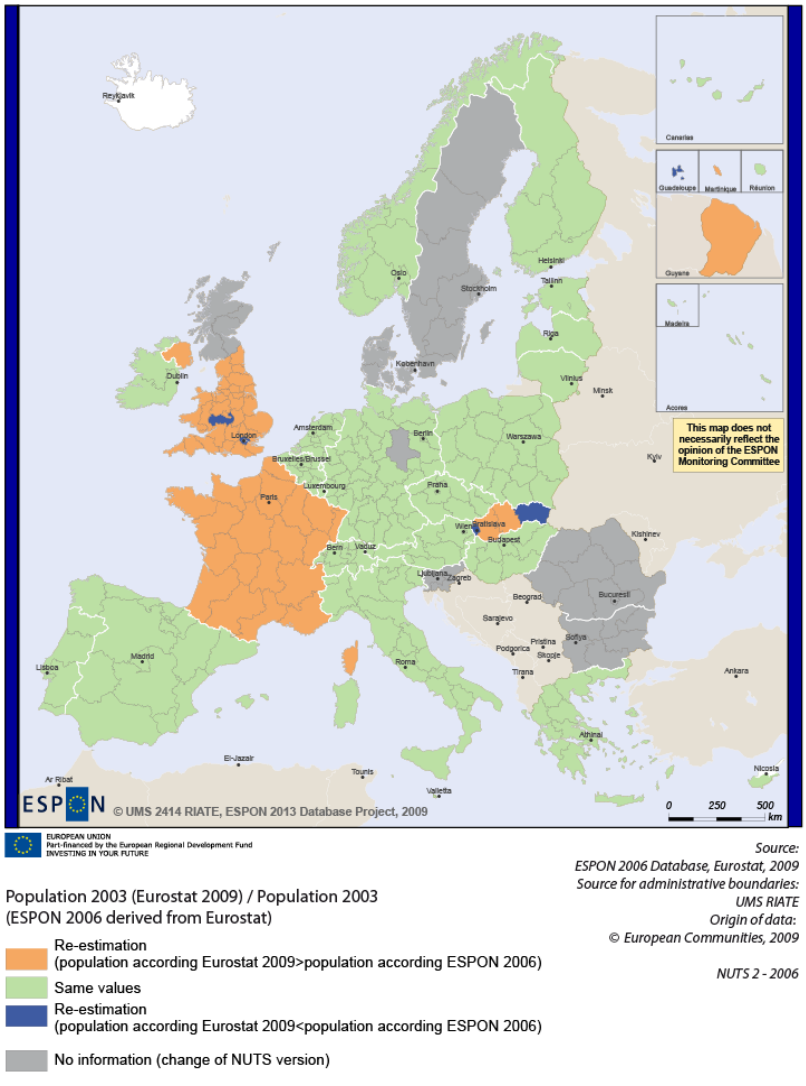

Figure 8 – NUTS 2 where population in 2003 has been re-estimated according to Eurostat

2.3 Description of datasets who will integrate the ESPON DB 2013

More concretely, the ESPON 2013 Database Project proposes to integrated indicators coming from the ESPON 2006 External Database. As a whole, this concerns 15 datasets (including 198 indicators) coming from ESPON Project indicators and 10 datasets (including 54 indicators) coming from ESPON Basic indicators (figure 9[5])

ESPON Project Indicators

These indicators have been calculated in the framework of the different ESPON projects by the Transnational Project Groups. Some of the indicators were calculated on the basis of data provided by EUROSTAT and National Statistical offices and others are results from model calculations and project based data inquiries.

Information from this section has to be cited as © ESPON Database, 2006

Name	Type	Size
Regional Classification of Europe	XLS	52,00 KB
Spatial Typologies NUTS 2	XLS	98,50 KB
Spatial Typologies NUTS 3	XLS	336,50 KB
Population	XLS	505,00 KB
Wealth and Production NUTS 2	XLS	54,00 KB
Transport NUTS 3	XLS	300,00 KB
Communication Technology NUTS 2	XLS	40,50 KB
Land Use NUTS 3	XLS	248,50 KB
Environment NUTS 3	XLS	255,50 KB
Agriculture NUTS 2	XLS	42,00 KB
INTERREG IIIA data	XLS	169,00 KB
INTERREG IIIA projects	XLS	162,00 KB
INTERREG IIIB projects	XLS	239,50 KB
Public Sector NUTS 2	XLS	72,50 KB
Public Sector NUTS 3	XLS	249,50 KB

ESPON Basic indicators

The tables presented in this section include basic information on population, employment, unemployment and economic output. This information is mainly based on regional statistics from EUROSTAT. It covers the regions of the EU25 and Candidate Countries and in some cases it has been complemented with additional data from National Statistics Offices (NSO) in order to cover the entire ESPON territory (EU 25 + Romania and Bulgaria + Switzerland and Norway).

Information from this section has to be cited as © ESPON Database, 2006

Name	Type	Size
Area NUTS 2	XLS	37,50 KB
Area NUTS 3	XLS	129,50 KB
Population NUTS 2	XLS	112,50 KB
Population NUTS 3	XLS	219,50 KB
Employment and Labour Market NUTS 2	XLS	88,00 KB
Unemployment NUTS 2	XLS	52,00 KB
Unemployment NUTS 3	XLS	189,00 KB
Wealth and Production NUTS 2	XLS	51,50 KB
Wealth and Production NUTS 3	XLS	188,00 KB
Research and Development NUTS 2	XLS	44,50 KB

Figure 9 – Targeted datasets to update in the ESPON 2013 Database
http://www.espon.eu/main/Menu_ScientificTools/ESPON2006Tools/DatabasePublicFiles/projectindicators.html

[5] Listing and description of all indicators contented in these datasets in annexes.

3. Integration of the ESPON 2006 Database in the 2013 DB architecture - a real added value.

The integration of ESPON 2006 indicators to the ESPON 2013 Database infrastructure implies to adapt the data and metadata model to the new requirements. In some cases it implies (3.1) to add information to the metadata of the ESPON 2006 Database, which is not fully compliant with the ISO-19115 norm. In other cases, thanks to information available in the different ESPON Reports and metadata mentioned in the datasets downloadable on ESPON Website, it is possible to improve the quality of metadata (3.2). Finally, the metadata and data models proposed by the ESPON 2013 Database Project makes possible a better structuring of the information contained in the metadata of ESPON 2006 indicators (3.3)

3.1. Elements added by the ESPON 2013 Database Project to the metadata of ESPON 2006 indicators

In relation with the data and metadata models proposed by the ESPON 2013 Project, some elements were not described in the datasets available on ESPON Website. This has been corrected for the following elements:

- **Metadata point of contact (figure 10).** The metadata template requires a contact person. Considering that it is complicated to find valid contact 4 years after the end of these projects, we have decided to put ESPON Coordination Unit as a metadata point of contact.

Metadata point of contact	
name	ESPON
email	info@espon.eu
organization	ESPON Coordination Unit
function	Project launcher
role	Data collector

Figure 10 – Adding information concerning point of contact and upload date

- **Date of the scope (figure 11):** Defining the precise date of upload allows defining when the data have been published. Thanks to this it is possible to see immediately that it corresponds to the first ESPON Programme. Considering that this information is not available in the dataset we have chosen to indicate "May 2006" as an upload date.

It corresponds more or less to the end of scientific activities in the first ESPON Program. This date can be changed if necessary.

- **Data provider (figure 11):** for each datasets uploaded, we have considered "ESPON 2006 Database" as a first level data provider and the real data provider (ESPON Projects, Eurostat etc.) as a second level data provider, in the "estimation methodology" field. As an example the data provider of a given scope could be "ESPON 2006 Database", and in the estimation methodology field it could be specified that this ESPON 2006 DB data came primarily from Eurostat (regional database) or another data source (National Statistical Offices of Switzerland for instance).

label	1	
lineage		
	provider	ESPON 2006 Database
	date	05/2006
	URL	
	methodolo	Data comes from Eurostat (Regional database) but are described in an outdated NUTS version. Consequently they are not downloadable in Eurostat website.
	methodology URI	
reliability		
	estimatior	FAUX
	quality	high
constraints		
	public dat	VRAI
	public met	VRAI
	copyright	© ESPON Database, 2006
label	2	
lineage		
	provider	ESPON 2006 Database
	date	05/2006
	URL	
	methodolo	Data comes from the National Statistical Office of Switzerland (Office fédéral de la Statistique)
	methodology URI	
reliability		
	estimatior	FAUX
	quality	high
constraints		
	public dat	VRAI
	public met	VRAI
	copyright	© ESPON Database, 2006

Figure 11 – Definition of date and provider of ESPON 2006 datasets scope

3.2. Improvements of the metadata and data information

Considering the different fields that have to be filed in the metadata and data templates, it allows to envisage new possibilities for using the ESPON 2006 indicators

- **Precise the methodology (figure 12).** For some indicators, as typologies, the methodology description has been improved. Thanks to the information contented in the final reports of concerned projects, we have added substantial elements in the methodology field.

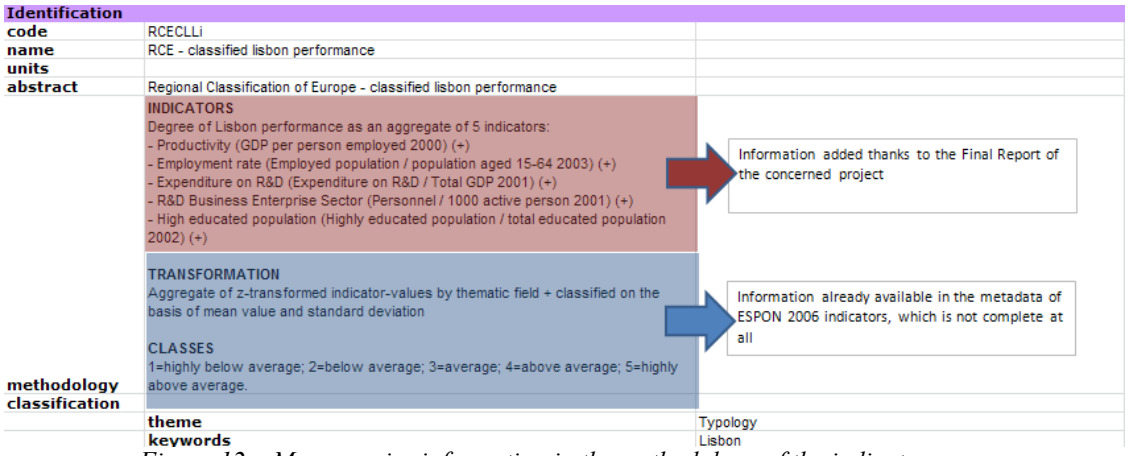

Figure 12 – More precise information in the methodology of the indicator

- **Precise the data source (figure 13).** Thanks to the new data and metadata models, it is possible to integrate the URL of the ESPON Report linked to the data calculation, which is really a value added for valorise ESPON results.

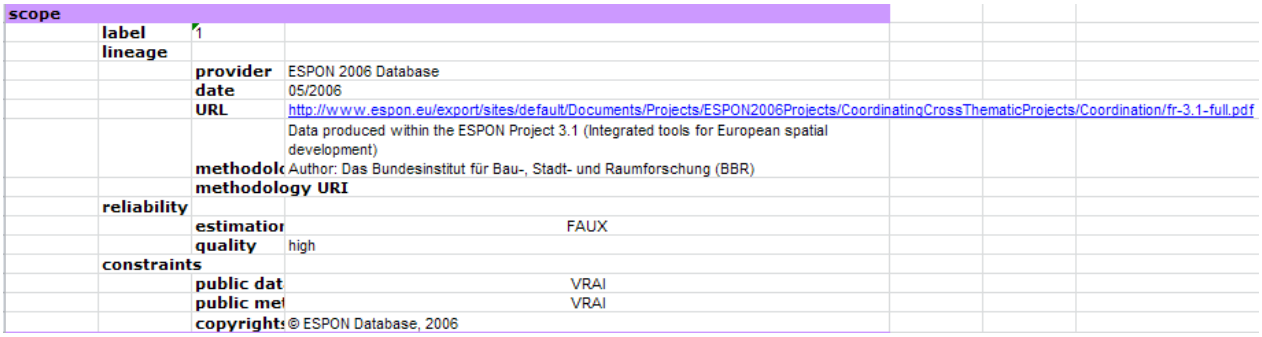

Figure 13 – Identification of the source

3.3. New metadata structure for existing information

The metadata integrated in the ESPON 2006 Database template are done in "free text" fields. Thanks to the new metadata model, it is possible to better structure these fields (figure 14):

1. For each territorial unit contained in the dataset, the NUTS level and the NUTS version has been identified.

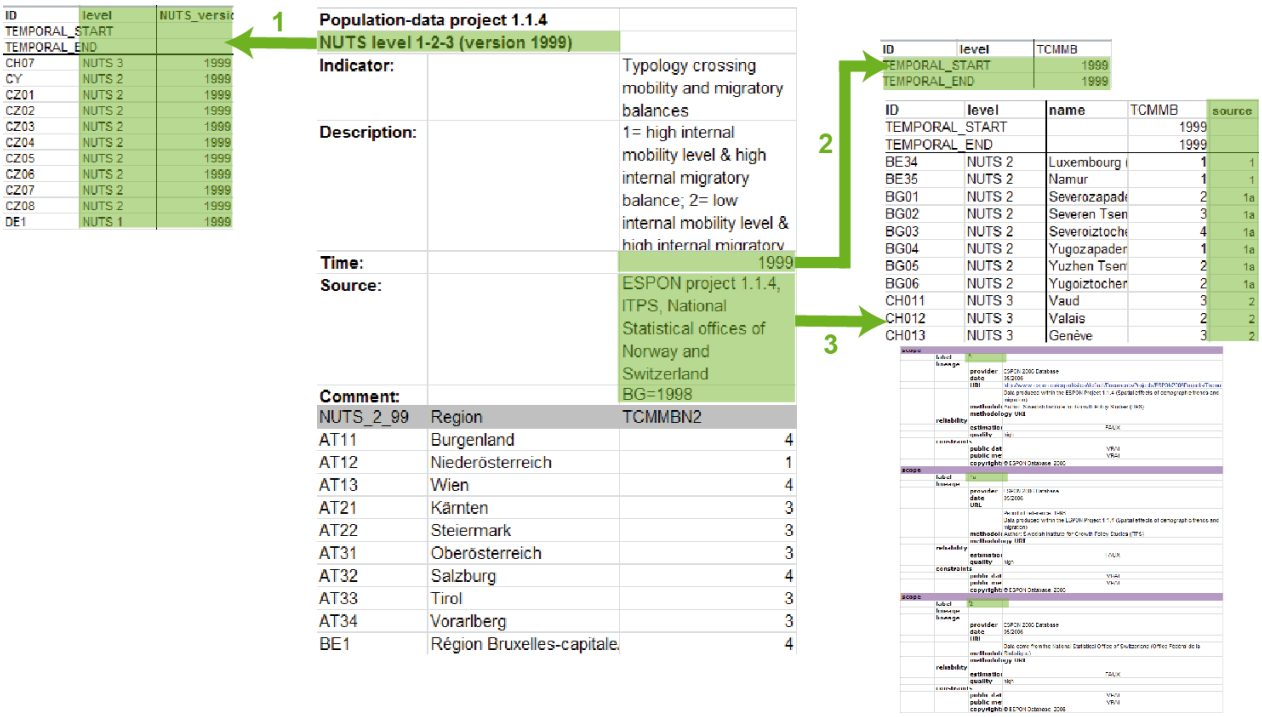

Figure 14 – Integration of metadata in the 2013 database structure (theoretical example)

2. The temporal validity of the indicator has been indicated in dedicated field
3. All sources and comment have been better integrated (column source which is linked to the metadata sheet where values are precisely described).

Consequently, it is now possible for the end-user to better query the ESPON 2006 database:

- What data are the available in the NUTS 1999 delineation?
- What are the available indicators with a temporal extent starting in 1999 and finishing in 2000?
- What is the information available coming from ESPON 1.1.4 Project?

These basic questions, typically adapted to the content of the ESPON 2006 Database will be possible in a near future.

Last but not least, this work makes possible to integrate the results from ESPON 2006 and ESPON 2013 Programs in the same database architecture.

APPENDIX 1 - Updated indicators from the ESPON 2006 Database – Data from TPG's (ESPON Project Indicators)

DATASET	NAME OF INDICATOR	Geog. Object	Temporal start/end	SOURCE (main)
01_regional_classification_of_europe_nuts_2_data	RCE - classified economy	NUTS2 (version 2003)	2002/2002	ESPON 2.4.2
01_regional_classification_of_europe_nuts_2_data	RCE - classified lisbon performance	NUTS2 (version 2003)	2002/2002	ESPON 2.4.2
01_regional_classification_of_europe_nuts_2_data	RCE - classified labour market	NUTS2 (version 2003)	2003/2003	ESPON 2.4.2
01_regional_classification_of_europe_nuts_2_data	RCE - classified demography	NUTS2 (version 2003)	2002/2002	ESPON 2.4.2
01_regional_classification_of_europe_nuts_2_data	RCE - classified naturalness	NUTS2 (version 2003)	2000/2000	ESPON 2.4.2
01_regional_classification_of_europe_nuts_2_data	RCE - classified natural hazards	NUTS2 (version 2003)	2002/2002	ESPON 2.4.2
01_regional_classification_of_europe_nuts_2_data	RCE - classified technological hazards	NUTS2 (version 2003)	2002/2002	ESPON 2.4.2
01_regional_classification_of_europe_nuts_2_data	RCE - classified accessibility	NUTS2 (version 2003)	2001/2001	ESPON 2.4.2
01_spatial_typologies_nuts_2	Settlement Structure Typology	NUTS2 (version 1999)	1999/1999	ESPON project 3.1
01_spatial_typologies_nuts_2	A typology of levels of household telecommunications uptake	NUTS2 (version 1999)	2002/2002	ESPON project 1.2.2
01_spatial_typologies_nuts_2	A typology of estimated levels of business telecommunications access and uptake	NUTS2 (version 1999)	2002/2002	ESPON project 1.2.2
01_spatial_typologies_nuts_2	A typology comparing levels of household and business telecommunications uptake	NUTS2 (version 1999)	2002/2002	ESPON project 1.2.2
01_spatial_typologies_nuts_2	An overall typology of combined household and business telecommunications development	NUTS2 (version 1999)	2002/2002	ESPON project 1.2.2
01_spatial_typologies_nuts_2	Typology Multimodal Accessibility Potential	NUTS2 (version 1999)	2001/2001	ESPON project 2.1.1
01_spatial_typologies_nuts_2	Typology of lagging regions	NUTS2 (version 1999)	2000/2000	ESPON project 2.1.1
01_spatial_typologies_nuts_2	Typologies of regional specialisation and GDP per capita 2001	NUTS2 (version 1999)	2001/2001	ESPON project 1.1.3
01_spatial_typologies_nuts_2	Typologies of regional specialisation and GDP per capita 1995-2001	NUTS2 (version 1999)	1995/2001	ESPON project 1.1.3
01_spatial_typologies_nuts_2	Coast	NUTS2 (version 1999)	2003/2003	ESPON project 2.1.1
01_spatial_typologies_nuts_2	Border	NUTS2 (version 1999)	2003/2003	ESPON project 2.1.1
01_spatial_typologies_nuts_2	Pentagon EU 15	NUTS2 (version 1999)	2003/2003	ESPON project 2.1.1
01_spatial_typologies_nuts_2	Pentagon EU 27 plus 2	NUTS2 (version 1999)	2003/2003	ESPON project 2.1.1
01_spatial_typologies_nuts_2	Part of Interreg	NUTS2	2000/2000	ESPON

	North-Sea Programme	(version 1999)		project 3.1
01_spatial_typologies_nuts_2	Part of Interreg CADSES Programme	NUTS2 (version 1999)	2000/2000	ESPON project 3.1
01_spatial_typologies_nuts_2	Part of Interreg Atlantic-Area Programme	NUTS2 (version 1999)	2000/2000	ESPON project 3.1
01_spatial_typologies_nuts_2	Part of Interreg Programme "Non continental and overseas cooperation areas"	NUTS2 (version 1999)	2000/2000	ESPON project 3.1
01_spatial_typologies_nuts_2	Part of Interreg Programme "Northern-Peripherie"	NUTS2 (version 1999)	2000/2000	ESPON project 3.1
01_spatial_typologies_nuts_2	Part of Interreg Alpine-Space Programme	NUTS2 (version 1999)	2000/2000	ESPON project 3.1
01_spatial_typologies_nuts_2	Part of Interreg Programme "Archimedes"	NUTS2 (version 1999)	2000/2000	ESPON project 3.1
01_spatial_typologies_nuts_2	Part of Interreg Programme "Baltic Sea"	NUTS2 (version 1999)	2000/2000	ESPON project 3.1
01_spatial_typologies_nuts_2	Part of Interreg Programme "Medoc-Area"	NUTS2 (version 1999)	2000/2000	ESPON project 3.1
01_spatial_typologies_nuts_2	Part of Interreg Programme "South-West-Europe"	NUTS2 (version 1999)	2000/2000	ESPON project 3.1
01_spatial_typologies_nuts_2	Part of Interreg Programme "North-West-Europe"	NUTS2 (version 1999)	2000/2000	ESPON project 3.1
01_spatial_typologies_nuts_2	"Objective 1" regions= regions situated within objective 1 regions	NUTS2 (version 1999)	2000/2000	ESPON project 3.1
01_spatial_typologies_nuts_2	Objective 2 regions includes regions containing at least one Objective 2 region (partly)	NUTS2 (version 1999)	2000/2000	ESPON project 3.1
01_spatial_typologies_nuts_3	Typology Settlement Structure	NUTS2 (version 1999)	1999/1999	ESPON project 3.1
01_spatial_typologies_nuts_3	Typology Multimodal Accessibility Potential	NUTS2 (version 1999)	2001/2001	ESPON project 2.1.1
01_spatial_typologies_nuts_3	Typologie of lagging regions	NUTS2 (version 1999)	2000/2000	ESPON project 2.1.1
01_spatial_typologies_nuts_3	Urban-rural typology	NUTS2 (version 1999)	1999/1999	ESPON project 1.1.2
01_spatial_typologies_nuts_3	Coast	NUTS2 (version 1999)	2003/2003	ESPON project 2.1.1
01_spatial_typologies_nuts_3	Border	NUTS2 (version 1999)	2003/2003	ESPON project 2.1.1
01_spatial_typologies_nuts_3	Pentagon EU 15	NUTS2 (version 1999)	2003/2003	ESPON project 2.1.1
01_spatial_typologies_nuts_3	Pentagon EU 27 plus 2	NUTS2 (version 1999)	2003/2003	ESPON project 2.1.1
01_spatial_typologies_nuts_3	Part of Interreg North-Sea Programme	NUTS2 (version 1999)	2000/2000	ESPON project 3.1
01_spatial_typologies_nuts_3	Part of Interreg CADSES Programme	NUTS2 (version 1999)	2000/2000	ESPON project 3.1
01_spatial_typologies_nuts_3	Part of Interreg Atlantic-Area Programme	NUTS2 (version 1999)	2000/2000	ESPON project 3.1
01_spatial_typologies_nuts_3	Part of Interreg Programme "Non continental and overseas cooperation	NUTS2 (version 1999)	2000/2000	ESPON project 3.1

	areas"			
01_spatial_typologies_nuts_3	Part of Interreg Programme "Northern-Peripherie"	NUTS2 (version 1999)	2000/2000	ESPON project 3.1
01_spatial_typologies_nuts_3	Part of Interreg Alpine-Space Programme	NUTS2 (version 1999)	2000/2000	ESPON project 3.1
01_spatial_typologies_nuts_3	Part of Interreg Programme "Archimedes"	NUTS2 (version 1999)	2000/2000	ESPON project 3.1
01_spatial_typologies_nuts_3	Part of Interreg Programme "Baltic Sea"	NUTS2 (version 1999)	2000/2000	ESPON project 3.1
01_spatial_typologies_nuts_3	Part of Interreg Programme "Medoc-Area"	NUTS2 (version 1999)	2000/2000	ESPON project 3.1
01_spatial_typologies_nuts_3	Part of Interreg Programme "South-West-Europe"	NUTS2 (version 1999)	2000/2000	ESPON project 3.1
01_spatial_typologies_nuts_3	Part of Interreg Programme "North-West-Europe"	NUTS2 (version 1999)	2000/2000	ESPON project 3.1
01_spatial_typologies_nuts_3	"Objective 1" regions= regions situated within objective 1 regions	NUTS2 (version 1999)	2000/2000	ESPON project 3.1
01_spatial_typologies_nuts_3	Objective 2 regions includes regions containing at least one Objective 2 region (partly)	NUTS2 (version 1999)	2000/2000	ESPON project 3.1
04_wealth_and_production	GDP per capita in PPS	NUTS2 (version 1999)	1999/1999	ESPON project 3.1
04_wealth_and_production	GDP per capita in PPS- Global deviation (EU15)	NUTS2 (version 1999)	1999/1999	ESPON project 3.1
04_wealth_and_production	GDP per capita in PPS- Medium deviation	NUTS2 (version 1999)	1999/1999	ESPON project 3.1
04_wealth_and_production	GDP per capita in PPS- Local deviation	NUTS2 (version 1999)	1999/1999	ESPON project 3.1
02_population-data_project_1.1.4_N2	Typology of migratory balances by age classes	NUTS2 (version 1999)	1995/2000	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Dependency rate	NUTS2 (version 1999)	1995/1995.1999/1999	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Share of NUTS 2 average population living in NUTS 3 regions with population decline	NUTS2 (version 1999)	1995/1999	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Share of NUTS 2 area comprising NUTS 3 regions with population decline	NUTS2 (version 1999)	1995/1999	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Population with 65 and more years (%) (Model A)	NUTS2 (version 1999)	2000/2000. 2025/2025, 2050/2050	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Population with 65 and more years (%) (Model B0)	NUTS2 (version 1999)	2000/2000. 2025/2025, 2050/2050	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Population with 65 and more years (%) (Model B1)	NUTS2 (version 1999)	2000/2000. 2025/2025, 2050/2050	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Population with 65 and more years (%) (Model B2)	NUTS2 (version 1999)	2000/2000.2025/2025, 2050/2050	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Population with 65 and more years (%) (Model B3)	NUTS2 (version 1999)	2000/2000. 2025/2025, 2050/2050	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Average score on indirect "ageing"/ "depopulating" indicators	NUTS2 (version 1999)	2000/2000	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Average score on indirect "ageing"/ "depopulating"	NUTS2 (version 1999)	2000/2000	ESPON project 1.1.4

	indicators, Grouped (quartiles)			
02_population-data_project_1.1.4_N2	National Total Fertility Rates	NUTS2 (version 1999)	1999/2000	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Ageing Population (4 groups) 65+/Tot.	NUTS2 (version 1999)	2000/2000	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Ageing "Labour Force" (4 groups) 55-64/20-64	NUTS2 (version 1999)	2000/2000	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	"Labour Force" Replacement (4 groups) 10-19/55-64	NUTS2 (version 1999)	2000/2000	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Post-Active Dependency (4 groups) 65+/20-64	NUTS2 (version 1999)	2000/2000	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Aged People vs. Youth (4 groups) 65+/15-24	NUTS2 (version 1999)	2000/2000	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Share of children (4 groups) 0-14/Tot.pop	NUTS2 (version 1999)	2000/2000	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Changes in Natural Growth Potential (4 groups)20-29 years in 2020 (born 1991-2000)/20-29 years in 2000 (born 1971-1980)	NUTS2 (version 1999)	2000/2020	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Ageing Population (indexes) 65+/Tot.	NUTS2 (version 1999)	2000/2000	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Ageing "Labour Force" (indexes) 55-64/20-64	NUTS2 (version 1999)	2000/2000	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	"Labour Force" Replace-ment (indexes) 10-19/55-64	NUTS2 (version 1999)	2000/2000	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Post-Active Dependency (indexes) 65+/20-64	NUTS2 (version 1999)	2000/2000	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Aged People vs. Youth (indexes) 65+/15-24	NUTS2 (version 1999)	2000/2000	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Share of children (indexes) 0-14/Tot.pop	NUTS2 (version 1999)	2000/2000	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Changes in Natural Growth Potential (indexes)20-29 years in 2020 (born 1991-2000)/20-29 years in 2000 (born 1971-1980)	NUTS2 (version 1999)	2000/2020	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Total fertility rate	NUTS2 (version 1999)	1990/1990; 1995/1995; 1999/1999	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	External immigration	NUTS2 (version 1999)	1996/1999	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Migratory balance by regions between	NUTS2 (version 1999)	1996/1999	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Absolute migratory balance	NUTS2 (version 1999)	1996/1999	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Migratory balance 17.5 to 27.5 years old	NUTS2 (version 1999)	1995/2000	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Migratory balance 32.5 to 42.5 years old	NUTS2 (version 1999)	1995/2000	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Migratory balance 52.5 to 67.5 years old	NUTS2 (version 1999)	1995/2000	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Synthetic cartography of migratory balances	NUTS2 (version 1999)	1995/2000	ESPON project 1.1.4

	for the main age classes			
02_population-data_project_1.1.4_N2	Variation of the population (%) (Model A)	NUTS2 (version 1999)	2000/2050	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Variation of the population (%) (Model B0)	NUTS2 (version 1999)	2000/2050	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Variation of the population (%) (Model B2)	NUTS2 (version 1999)	2000/2050	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Variation of the population (%) (Model B3)	NUTS2 (version 1999)	2000/2050	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Population between 15 and 64 years (%) (Model A)	NUTS2 (version 1999)	2000/2000; 2025/2025; 2050/2050	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Population between 15 and 64 years (%) (Model B1)	NUTS2 (version 1999)	2000/2000;2025/2025 2050/2050	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Population between 15 and 64 years (%) (Model B1)	NUTS2 (version 1999)	2000/2000; 2025/2025; 2050/2050	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Population between 15 and 64 years (%) (Model B2)	NUTS2 (version 1999)	2000/2000; 2025/2025; 2050/2050	ESPON project 1.1.4
02_population-data_project_1.1.4_N2	Population between 15 and 64 years (%) (Model B3)	NUTS2 (version 1999)	2000/2000; 2025/2025; 2050/2050	ESPON project 1.1.4
02_population-data_project_1.1.4_N3	Type of rural area	NUTS3 (version 1999)	2000/2000	ESPON project 1.1.4
02_population-data_project_1.1.4_N3	Relative depopulation, quartiles	NUTS3 (version 1999)	1990/2000	ESPON project 1.1.4
02_population-data_project_1.1.4_N3	Population change	NUTS3 (version 1999)	1990/2000; 1990/1995; 1995/2000	ESPON project 1.1.4
02_population-data_project_1.1.4_N23	Share (%) of population in the ages 65+	NUTS 2-3 (version 1999)	1990/1990; 1995/1995; 1999/1999	ESPON project 1.1.4
02_population-data_project_1.1.4_N123	Typology crossing mobility and migratory balances	NUTS 1-2-3 (version 1999)	1996/1999	ESPON project 1.1.4
02_population-data_project_1.1.4_N123	Internal migratory balance	NUTS 1-2-3 (version 1999)	1996/1999	ESPON project 1.1.4
02_population-data_project_1.1.4_N123	Total migratory balance	NUTS 1-2-3 (version 1999)	1996/1999	ESPON project 1.1.4
02_population-data_project_1.1.4_N123	External migratory balance	NUTS 1-2-3 (version 1999)	1996/1999	ESPON project 1.1.4
02_population-data_project_1.1.4_N123	Internal mobility by region	NUTS 1-2-3 (version 1999)	1996/1999	ESPON project 1.1.4
02_population-data_project_1.1.4_N123	Mobility by region relative to national mobility	NUTS 1-2-3 (version 1999)	1996/1999	ESPON project 1.1.4
02_population-data_project_1.1.4_N23a	Total population development	NUTS 2-3a (version 1999)	1996/1999	ESPON project 1.1.4
02_population-data_project_1.1.4_N23a	Natural population development	NUTS 2-3a (version 1999)	1996/1999	ESPON project 1.1.4
02_population-data_project_1.1.4_N23a	Net migration	NUTS 2-3a (version 1999)	1996/1999	ESPON project 1.1.4
ESPON_2006_06_transport_nuts_3	Number of commercial airports	NUTS3 (version 1999)	2001/2001	ESPON project 1.2.1
ESPON_2006_06_transport_nuts_3	Number of commercial seaports	NUTS3 (version 1999)	2001/2001	ESPON project 1.2.1
ESPON_2006_06_transport_nuts_3	Length of road network (km)	NUTS3 (version 1999)	2001/2001	ESPON project 1.2.1
ESPON_2006_06_transport_nuts_3	Length of railway network, km	NUTS3 (version 1999)	2001/2001	ESPON project 1.2.1

ESPON_2006_06_transport_nuts_3	Traffic in commercial airports	NUTS3 (version 1999)	2001/2001	ESPON project 1.2.1
ESPON_2006_06_transport_nuts_3	Connectivity to commercial airports by car of the capital or centroid representative of the NUTS3	NUTS3 (version 1999)	2001/2001	ESPON project 1.2.1
ESPON_2006_06_transport_nuts_3	Connectivity to commercial seaports by car of the capital or centroid representative of the NUTS3	NUTS3 (version 1999)	2001/2001	ESPON project 1.2.1
ESPON_2006_06_transport_nuts_3	Time to the nearest motorway access, by car of the capital or centroid representative of the NUTS3	NUTS3 (version 1999)	2001/2001	ESPON project 1.2.1
ESPON_2006_06_transport_nuts_3	Daily population accessible by car	NUTS3 (version 1999)	1999/1999	ESPON project 1.2.1
ESPON_2006_06_transport_nuts_3	Daily market accessible by car in terms of GDP	NUTS3 (version 1999)	2000/2000	ESPON project 1.2.1
ESPON_2006_06_transport_nuts_3	Potential accessibility air, ESPON space = 100	NUTS3 (version 1999)	2001/2001	ESPON project 1.2.1
ESPON_2006_06_transport_nuts_3	Potential accessibility rail, ESPON space = 100	NUTS3 (version 1999)	2001/2001	ESPON project 1.2.1
ESPON_2006_06_transport_nuts_3	Potential accessibility road, ESPON space = 100	NUTS3 (version 1999)	2001/2001	ESPON project 1.2.1
ESPON_2006_06_transport_nuts_3	Potential accessibility multimodal, ESPON space = 100	NUTS3 (version 1999)	2001/2001	ESPON project 1.2.1
ESPON_2006_06_transport_nuts_3	Accessibility time to market by road,	NUTS3 (version 1999)	1997/1997	ESPON Project 2.1.1
ESPON_2006_06_transport_nuts_3	Accessibility time to market by rail,	NUTS3 (version 1999)	1997/1997	ESPON Project 2.1.1
ESPON_2006_06_transport_nuts_3	Accessibility time to market by rail and road,	NUTS3 (version 1999)	1997/1997	ESPON Project 2.1.1
ESPON_2006_09_communication_technology_nuts_2	Share of Internet users	NUTS2 (version 1999)	2002/2002	ESPON Project 1.2.2
ESPON_2006_09_communication_technology_nuts_2	Share of firms with own website	NUTS2 (version 1999)	2002/2002	ESPON Project 1.2.2
ESPON_2006_11_land_use_nuts_3	Share of artificial surfaces	NUTS3 (version 1999)	1996/1996	Espon project 1.1.2
ESPON_2006_11_land_use_nuts_3	Share of artificial surfaces per 1000 inh.	NUTS3 (version 1999)	1996/1996	Espon project 1.1.2
ESPON_2006_11_land_use_nuts_3	Share of artificial surfaces per 100 million GDP PPS	NUTS3 (version 1999)	1996/1996	Espon project 1.1.2
ESPON_2006_11_land_use_nuts_3	Share of urban fabric	NUTS3 (version 1999)	1996/1996	ESPON Project 3.1
ESPON_2006_11_land_use_nuts_3	Share of arable land	NUTS3 (version 1999)	1996/1996	ESPON Project 3.1
ESPON_2006_11_land_use_nuts_3	Share of permanent crops	NUTS3 (version 1999)	1996/1996	ESPON Project 3.1
ESPON_2006_12_environment_nuts_3	Occurrence of snow avalanches	NUTS3 (version 1999)	2004/2004	ESPON Project 1.3.1
ESPON_2006_12_environment_nuts_3	Large scale droughts in Europe	NUTS3 (version 1999)	1904/1995	ESPON Project 1.3.1
ESPON_2006_12_environment_nuts_3	Regional earthquake hazard potential	NUTS3 (version	1998/1998	ESPON Project 1.3.1

		1999)		
ESPON_2006_12_environment_nuts_3	Extreme temperatures	NUTS3 (version 1999)	1961/1990	ESPON Project 1.3.1
ESPON_2006_12_environment_nuts_3	Regional flood hazard potential	NUTS3 (version 1999)	1987/2002	ESPON Project 1.3.1
ESPON_2006_12_environment_nuts_3	Forest fire hazard	NUTS3 (version 1999)	1997/2003	ESPON Project 1.3.1
ESPON_2006_12_environment_nuts_3	Occurrence of landslides	NUTS3 (version 1999)	2004/2004	ESPON Project 1.3.1
ESPON_2006_12_environment_nuts_3	Occurrence of storm surges	NUTS3 (version 1999)	2004/2004	ESPON Project 1.3.1
ESPON_2006_12_environment_nuts_3	Occurrence of tsunami runups and tsunami potential areas in Europe	NUTS3 (version 1999)	-1628/2003	ESPON Project 1.3.1
ESPON_2006_12_environment_nuts_3	Volcanic eruptions during the last 10 000 years	NUTS3 (version 1999)	-1628/2003	ESPON Project 1.3.1
ESPON_2006_12_environment_nuts_3	Approximate probability of having winter storms and for tropical storms probable maximum intensity	NUTS3 (version 1999)	2004/2004	ESPON Project 1.3.1
ESPON_2006_12_environment_nuts_3	Air traffics hazard potential	NUTS3 (version 1999)	1996/2003	ESPON Project 1.3.1
ESPON_2006_12_environment_nuts_3	Chemical plants hazard potential	NUTS3 (version 1999)	2001/2004	ESPON Project 1.3.1
ESPON_2006_12_environment_nuts_3	Potential risk of radioactive contamination on NUTS3 regions	NUTS3 (version 1999)	2003/2003	ESPON Project 1.3.1
ESPON_2006_12_environment_nuts_3	Classification of Oil-SUM values	NUTS3 (version 1999)	2002/2002	ESPON Project 1.3.1
ESPON_2006_12_environment_nuts_3	Sum of all weighted hazard values	NUTS3 (version 1999)	2004/2004	ESPON Project 1.3.1
ESPON_2006_13_agriculture_nuts_2	Share of UAA which is arable	NUTS2 (version 1999)	2001/2001	ESPON Project 2.1.3
ESPON_2006_13_agriculture_nuts_2	Share of UAA that is fallow	NUTS2 (version 1999)	2001/2001	ESPON Project 2.1.3
ESPON_2006_13_agriculture_nuts_2	Share of farm holders aged <65	NUTS2 (version 1999)	1997/1997	ESPON Project 2.1.3
ESPON_2006_14_interreg_iiia_areas_nuts_3	Table of belonging to the 64 INTERREG IIIA Programs	NUTS3 (version 2003)	2000/2000	ESPON
ESPON_2006_14_interreg_iiia_data_nuts_3	Typology of borders in NUTS3 regions participating in INTERREG IIIA Programmes	NUTS3 (version 2003)	2006/2006	ESPON INTERACT/KTH
ESPON_2006_14_interreg_iiia_data_nuts_3	Intensity of projects per INTERREG IIIA Programme	NUTS3 (version 2003)	2006/2006	ESPON INTERACT/KTH
ESPON_2006_14_interreg_iiia_data_nuts_3	Geographic type of land border of NUTS3 INTERREG IIIA programme areas	NUTS3 (version 2003)	2006/2006	ESPON INTERACT/KTH
ESPON_2006_14_interreg_iiia_data_nuts_3	Density of border crossings in INTERREG IIIA areas	NUTS3 (version 2003)	2006/2006	ESPON INTERACT/KTH
ESPON_2006_14_interreg_iiia_data_nuts_3	Economic disparities per programme	NUTS3 (version 2003)	2006/2006	ESPON INTERACT/KTH
ESPON_2006_14_interreg_iiib_areas_nuts_3	Table of belonging to the 14 INTERREG IIIB Programs	NUTS3 (version 1999)	2006/2006	ESPON Project 3.1
ESPON_2006_18_public_sector_nuts_2_3_data	Percentage of regional Pre-	NUTS2&NUTS3 (version	1998/2000	ESPON Project 2.2.2

	Accession-Aid (PHARE, PHARE CBC, ISPA) addressing capital-supply-potential	1999)		
ESPON_2006_18_public_sector_nuts_2_3_data	Percentage of regional Pre-Accession-Aid (PHARE, PHARE CBC, ISPA) addressing environmental quality	NUTS2&NUTS3 (version 1999)	1998/2000	ESPON Project 2.2.2
ESPON_2006_18_public_sector_nuts_2_3_data	Percentage of regional Pre-Accession-Aid (PHARE, PHARE CBC, ISPA) addressing geographical position	NUTS2&NUTS3 (version 1999)	1998/2000	ESPON Project 2.2.2
ESPON_2006_18_public_sector_nuts_2_3_data	Percentage of regional Pre-Accession-Aid (PHARE, PHARE CBC, ISPA) addressing potential of innovation	NUTS2&NUTS3 (version 1999)	1998/2000	ESPON Project 2.2.2
ESPON_2006_18_public_sector_nuts_2_3_data	Percentage of regional Pre-Accession-Aid (PHARE, PHARE CBC, ISPA) addressing institutional conditions	NUTS2&NUTS3 (version 1999)	1998/2000	ESPON Project 2.2.2
ESPON_2006_18_public_sector_nuts_2_3_data	Percentage of regional Pre-Accession-Aid (PHARE, PHARE CBC, ISPA) addressing labour market potenital	NUTS2&NUTS3 (version 1999)	1998/2000	ESPON Project 2.2.2
ESPON_2006_18_public_sector_nuts_2_3_data	Percentage of regional Pre-Accession-Aid (PHARE, PHARE CBC, ISPA) addressing regional market potential	NUTS2&NUTS3 (version 1999)	1998/2000	ESPON Project 2.2.2
ESPON_2006_18_public_sector_nuts_2_3_data	Percentage of regional Pre-Accession-Aid (PHARE, PHARE CBC, ISPA) addressing urbanisation&localisation advantages	NUTS2&NUTS3 (version 1999)	1998/2000	ESPON Project 2.2.2
ESPON_2006_18_public_sector_nuts_2_3_data	Total Pre-Accession-Aid spending (PHARE, PHARE CBC, ISPA)	NUTS2&NUTS3 (version 1999)	1998/2000	ESPON Project 2.2.2
ESPON_2006_18_public_sector_nuts_2_3_data	Average Annual Pre-Accession-Aid spending (PHARE, PHARE CBC, ISPA)	NUTS2&NUTS3 (version 1999)	1998/2000	ESPON Project 2.2.2
ESPON_2006_18_public_sector_nuts_2_3_data	All Structural and Cohesion Fund expenditure	NUTS2&NUTS3 (version 1999)	1994/1999	ESPON Project 2.2.1
ESPON_2006_18_public_sector_nuts_2_3_data	Structural Fund expenditure (R)	NUTS2&NUTS3 (version 1999)	1994/1999	ESPON Project 2.2.1
ESPON_2006_18_public_sector_nuts_2_3_data	Structural Fund expenditure (S)	NUTS2&NUTS3 (version 1999)	1994/1999	ESPON Project 2.2.1
ESPON_2006_18_public_sector_nuts_2_3_data	Structural Fund expenditure (A)	NUTS2&NUTS3 (version 1999)	1994/1999	ESPON Project 2.2.1
ESPON_2006_18_public_sector_nuts_2_3_data	Cohesion Fund expenditure (T)	NUTS2&NUTS3 (version 1999)	1994/1999	ESPON Project 2.2.1
ESPON_2006_18_public_sector_nuts_2_3_data	Cohesion Fund expenditure (E)	NUTS2&NUTS3 (version 1999)	1994/1999	ESPON Project 2.2.1

APPENDIX 2 - Updated indicators from the ESPON 2006 Database – Data from Eurostat (ESPON Basic Indicators)

DATASET	NAME OF INDICATOR	Geog. Object	Temporal start/end	SOURCE (main)
00_area_nuts_2-3_data	Total land area	NUTS2, NUTS3 (version 2003)	2003/2003	Eurostat
02_population_nuts_2	Population total	NUTS2 (version 2003)	2003/2003	Eurostat
02_population_nuts_2	Population density	NUTS2 (version 2003)	2002/2002	Eurostat
02_population_nuts_2	Share of female population	NUTS2 (version 2003)	2003/2003	Eurostat
02_population_nuts_2	Share of male population	NUTS2 (version 2003)	2003/2003	Eurostat
02_population_nuts_2	Share of population < 14 years	NUTS2 (version 2003)	2003/2003	Eurostat
02_population_nuts_2	Share of population > 65 years	NUTS2 (version 2003)	2003/2003	Eurostat
02_population_nuts_2	Share of high aged population (> 75 years)	NUTS2 (version 2003)	2003/2003	Eurostat
02_population_nuts_2	Share of female population < 14 years	NUTS2 (version 2003)	2003/2003	Eurostat
02_population_nuts_2	Share of female population > 65 years	NUTS2 (version 2003)	2003/2003	Eurostat
02_population_nuts_2	Share of female high aged population (> 75 years)	NUTS2 (version 2003)	2003/2003	Eurostat
02_population_nuts_2	Share of male population < 14 years	NUTS2 (version 2003)	2003/2003	Eurostat
02_population_nuts_2	Share of male population > 65 years	NUTS2 (version 2003)	2003/2003	Eurostat
02_population_nuts_2	Share of male high aged population (> 75 years)	NUTS2 (version 2003)	2003/2003	Eurostat
02_population_nuts_2	Development of total population in %	NUTS2 (version 2003)	1995/2003	Eurostat
02_population_nuts_2	Development of female population in %	NUTS2 (version 2003)	1995/2003	Eurostat
02_population_nuts_2	Development of male population in %	NUTS2 (version 2003)	1995/2003	Eurostat
02_population_nuts_3	Average Population	NUTS3 (version 2003)	2003/2003	Eurostat
02_population_nuts_3	Average male Population, share in %	NUTS3 (version 2003)	2003/2003	Eurostat
02_population_nuts_3	Average female Population, share in %	NUTS3 (version 2003)	2003/2003	Eurostat
02_population_nuts_3	Population density	NUTS3 (version 2003)	2002/2002	Eurostat
02_population_nuts_3	Development average population	NUTS3 (version 2003)	1995/2003	Eurostat
03_employment_and_labourmarket_nuts_2	Active population total 2001	NUTS2 (version 1999)	2001/2001	Eurostat
03_employment_and_labourmarket_nuts_2	Share of active population < 25 years	NUTS2 (version	2001/2001	Eurostat

		1999)		
03_employment_and_labourmarket_nuts_2	Persons employed	NUTS2 (version 1999)	2001/2001; 2002/2002	Eurostat
03_employment_and_labourmarket_nuts_2	Share of persons employed male	NUTS2 (version 1999)	2001/2001	Eurostat
03_employment_and_labourmarket_nuts_2	Share of persons employed female	NUTS2 (version 1999)	2001/2001	Eurostat
03_employment_and_labourmarket_nuts_2	Share of persons employed in Agriculture in % of total	NUTS2 (version 1999)	2001/2001	Eurostat
03_employment_and_labourmarket_nuts_2	Share of persons employed in Industry in % of total	NUTS2 (version 1999)	2001/2001	Eurostat
03_employment_and_labourmarket_nuts_2	Share of persons employed in Services in % of total	NUTS2 (version 1999)	2001/2001	Eurostat
03_employment_and_labourmarket_nuts_2	Share of employed persons, national, < 25 years, in % of total	NUTS2 (version 1999)	2002/2002	Eurostat
03_employment_and_labourmarket_nuts_2	Share of employed persons, national, < 25 years, in % of total, >65 years	NUTS2 (version 1999)	2003/2003	Eurostat
03_unemployment_nuts_2	Unemployment rate total	NUTS2 (version 2003)	2004/2004	Eurostat
03_unemployment_nuts_2	Unemployment rate female	NUTS2 (version 2003)	2004/2004	Eurostat
03_unemployment_nuts_2	Unemployment rate male	NUTS2 (version 2003)	2004/2004	Eurostat
03_unemployment_nuts_2	Unemployment rate of persons < 25 years	NUTS2 (version 2003)	2004/2004	Eurostat
03_unemployment_nuts_2	Development of unemployment rate	NUTS2 (version 2003)	1999/2004	Eurostat
03_unemployment_nuts_2	Development of unemployment rate, female	NUTS2 (version 2003)	1999/2004	Eurostat
03_unemployment_nuts_2	Development of unemployment rate, male	NUTS2 (version 2003)	1999/2004	Eurostat
03_unemployment_nuts_3	Unemployment rate total	NUTS3 (version 1999)	2001/2001	Eurostat
03_unemployment_nuts_3	Unemployment rate female	NUTS3 (version 1999)	2001/2001	Eurostat
03_unemployment_nuts_3	Unemployment rate male	NUTS3 (version 1999)	2001/2001	Eurostat
03_unemployment_nuts_3	Unemployment rate of persons < 25 years	NUTS3 (version 1999)	2001/2001	Eurostat
03_unemployment_nuts_3	Development of unemployment rate	NUTS3 (version 1999)	1998/2001	Eurostat
03_unemployment_nuts_3	Development of unemployment rate, female	NUTS3 (version 1999)	1998/2001	Eurostat
03_unemployment_nuts_3	Development of unemployment rate, male	NUTS3 (version 1999)	1998/2001	Eurostat
03_unemployment_nuts_3	Development of unemployment rate, young pop	NUTS3 (version 1999)	1998/2001	Eurostat
wealth_and_production_nuts_2-3_data	GDP in Purchasing Power Parities per inhabitant 2002	NUTS2, NUTS3 (version 2003)	2002/2002	ESPON project 3.2
wealth_and_production_nuts_2-3_data	GDP in Euro per inhabitant 2002	NUTS2, NUTS3 (version 2003)	2002/2002	ESPON project 3.2
wealth_and_production_nuts_2-3_data	Development of GDP in	NUTS2,	1998/2002	ESPON project

	Purchasing Power Parities per inhabitant 1998-2002	NUTS3 (version 2003)		3.2
wealth_and_production_nuts_2-3_data	Development of GDP in Euro per inhabitant 1998-2002	NUTS2, NUTS3 (version 2003)	1998/2002	ESPON project 3.2
07_research_and_development_nuts_2	Patent applications to the EPO per persons employed	NUTS2 (version 2003)	2002/2002	Eurostat
07_research_and_development_nuts_2	Total intramural R&D expenditure	NUTS2 (version 2003)	2002/2002	Eurostat
07_research_and_development_nuts_2	FuE Business Enterprise Sector, personnell	NUTS2 (version 2003)	2003/2003	Eurostat