EU-LUPA
European Land Use Patterns

Applied Research 2013/1/8

Annexes to Inception Report | Version 3rd/December/2010
This report presents a more detailed overview of the analytical approach to be applied by the project. This Applied Research Project is conducted within the framework of the ESPON 2013 Programme, partly financed by the European Regional Development Fund.

The partnership behind the ESPON Programme consists of the EU Commission and the Member States of the EU27, plus Iceland, Liechtenstein, Norway and Switzerland. Each partner is represented in the ESPON Monitoring Committee.

This report does not necessarily reflect the opinion of the members of the Monitoring Committee.

Information on the ESPON Programme and projects can be found on www.espon.eu

The web site provides the possibility to download and examine the most recent documents produced by finalised and ongoing ESPON projects.

This basic report exists only in an electronic version.


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Annex I Project Management Structure

A governance structure has been established for an effective management of the project. (See figure below). In addition, a Partnership Agreement has been signed laying down the division of mutual responsibilities and rights of partners and ensuring smooth working mechanisms.

TECNALIA as the Project Lead Partner (LP) takes over the responsibility for management, communication, implementation and co-ordination of activities among the involved partners. The budget includes all necessary project management work. The LP will act also as a Financial Manager (FM) and Communication Manager (CM) leading WP3. The LP will be the administrative link between the project and the ESPON programme, namely the project expert in charge at the Coordination Unit as well as the sounding board assisting the project. The LP is responsible for reporting progress to the ESPON 2013 Programme and transferring the ERDF contribution to the project partners. The LP will be the single contact point acting as principal liaison of the project with ESPON during the negotiation phase, being authorized by project partners via Memorandum of Agreement, and also the project phase. LP as FM will be responsible for the accounts, financial reporting and internal handling of Programme financing. It would work in close contact with all the partners and the first level controllers in order to enable efficient financial management of the operation. LP will be assisted by UAB (PP2) as Project Coordinator (PC) to guaranty scientific quality of the project and follow up. The Project Coordinator will be responsible for the organisation of the project’s work. The coordinator is highly qualified in the management of transnational projects as well as in the thematic priority of the project. The coordinator should act as a driving force in the partnership in order to achieve the project objectives within the foreseen schedule.

Although the overall responsibility of the project relies on the LP, UAB and TECNALIA are permanently coordinated, defining together and agreeing about the conceptual framework and methodological approach as well as the work plan and actions to be taken.

The present project proposal considers 3 Work Packages (WP’s), each one with a Work Package Leader (WPL) who is responsible for organizing a system of decision making and management as well as the review of the progress of project and the reporting to the LP. Also regularly WP meetings will be organized to discuss scientific issues and progress of the project. Finally, the WPL is responsible for WP-wide publications. The Task Leader (TL) is responsible for the scientific content and the progress of tasks defined within each WP.

Figure 1 EU-LUPA Project Governance Structure
TPG meetings calendar:

- 1st TPG Meeting: 27th October 2010 in Brussels KO Meeting
- 2nd TPG Meeting: January 2011 with SB in Bilbao
- 3rd TPG Meeting: June 2011 after Interim Report is submitted with SB in Bilbao
- 4th TPG Meeting (including workshop from task 2.4): February 2012 in Warsaw
- 5th TPG meeting (including workshop from task 2.5): June 2012 with SB in Bilbao
- 6th TPG meeting (end of the project): December 2012 to be define according to ESPON conference

Despite those project meetings, the consortium will meet at least once a month by means of a teleconference in order to supervise the advances of the project activities, identify potential deviations, share information and impressions on the project development.

a) Roles and Responsibilities

*Lead Partner’s tasks and responsibilities*

The LP’s responsibilities in preparing, implementing and closing the project are the following:

- Establish a Partnership Agreement setting mutual rights, obligations and duties between project partners;
- Ensure the implementation of the entire applied research project being responsible for the division of tasks among the partners involved in the project;
- Ensure that these tasks are subsequently fulfilled in compliance with the Subsidy Contract;
- Ensure an efficient internal management and control system agreed between those beneficiaries;
- Verify that the expenditures presented by the beneficiaries participating in the project have been validated by the controllers;
- Ensure that the tasks regarding the signature of the contract by the other contractors are carried out in a timely and correct manner;
- Act as the intermediary between the consortium and the ESPON CU. All information related to the project shall be transmitted timely by the consortium to the Commission through the co-ordinator, with the exceptions foreseen in the contract;
- Prepare a conclusions report of the WP’s including their relationship and to submit them to the ESPON CU;
- Introduce appropriate corrections if necessary;
- Guarantee first level financial control in order to validate the expenditure declared by each beneficiary participating in the project;
- Take care of the information flow and methods between the co-ordinator and the WP leaders;
- Schedule the co-ordination meetings;
- Submit all the periodic reports, technical and financial;
- Submit all supplementary reports (outputs);
- Establish a meetings calendar;
- Oversee the promotion of gender equality in the project;
- Approval and monitoring of the information analysis and dissemination process;
- Approval of the exploitation and dissemination plan.

*Financial manager’s role & responsibilities:*

- To keep accounts making it possible to determine at any time what portion of the Community funds has been allocated to each contractor for the purposes of the
project and inform the ESPON CU of the distribution of the funds and the date of transfers to the contractors on an annual basis.

- Request and receive payments of project funding;
- Transfer project funding to the partners without delays in compliance with the amounts reported in the progress report
- Make sure that the project expenditures presented by the beneficiaries participating in the project have been incurred in for the purpose of implementing the project and correspond to the activities
- Submit all the periodic financial reports

Coordinator’s role & responsibilities:

- To review the initial work plan for the different tasks. To suggest changes if appropriated and to agree final work plans
- To follow up the development of every task, according to the milestones established in every work plan.
- To assist LP in the preparation of the progress report, a six monthly report will be asked by the Co-ordinator to every task leader with the progress of every task, including the man power effort. An advance of these six month report will be asked every three months.
- To review outputs done by task leaders before sending them to the EC
- To assist the task leaders if some difficulties arise

Role & Responsibilities of the various task leaders

Coordination of a task means:

- To review the initial work plan of the different participants in each task
- To prepare a report of the activities carried out for each task for which the partner acts as coordinator
- To introduce appropriate corrections if necessary
- To follow up the development of every task, according to the milestones established in the work plan.
- To do this job, a six monthly report will be asked by the task leader to every participant with the progress of every task, including the man power effort. An advance of these six month report will be asked every three months.
- To assist task participants if some difficulties arise
- To review with the task participants the activities and budgetary control of the partners before periodic reports and cost statements

b) Communication flow and methods. The communication flow will be bottom-up and top-down through the typical communication methods such as: meetings, videoconferences, e-mail, phone, fax etc.
An FTP account will be set up for internal sharing of project information and documents. From January 2011 a Geodatabase will be made available for the management of the project data.

Meeting arrangements: The LP will be responsible for convening the TPG mid-term-report meeting, and for preparing the agendas, minutes and documents for these meetings based on member input. Mid term review: The LP will be responsible for convening a progress reports with the ESPON CU every 6 months. LP will also be responsible for producing and circulating the minutes of this meeting. The co-ordinator will be in charge of collecting and reporting information to be provided by the work package co-ordinators. Final Report: The LP, together with the WP leader and with contribution of the task leaders, will be responsible for preparing the final project report to the ESPON CU. This will describe the achievements of the project, critically assess its operation and recommend further action, as appropriate.
Project progress monitoring: Work package leaders will check progress by communication with the task leaders and the relationship among tasks, and will communicate this to the LP. At each milestone in the project, there will be a review of progress by the project management team (including a mid-term review of progress at months, and a review of progress at the end of the project). Reporting: there will be regular progress reports (every 6 months), which will
contain the detailed progress of the project and the plan for the next reporting period. Mid term report and final report will be part of these reports. Financial reports will be sent every 12 months. Audit certificates of all partners will be also reported. In addition the outputs will be sent to the EC at due time.

c) Quality assurance. To ensure the quality of outputs and the smooth running of the project, there will be a Quality Assurance Plan (QAP). This plan will contain (amongst others) all the procedures with regard to the communications between the partners, the documentation standard of all the outputs, the full detailed work plan, and any other relevant standards to conform to.

d) Audit Trails. It is the Lead Partner’s responsibility to ensure an adequate audit trail which implies that the Lead Partner has an overview of: who paid, what was paid, when was paid, who verified, where the related documents are stored. Additionally, in order to set up an audit trail within the TPG, the LP with the project partners have to select the first level controllers, whose role will be the setting up of the audit trail and the validation of the expenditure both at LP’s and at project partners’ level.

Figure 2 EU-LUPA Project Audit trail

![Diagram of EU-LUPA Project Audit trail]

ESPON CU

LP submits the Joint Progress Report to the ESPON CU

First level Controller of LP

10. Controlled overall financial and activity report

9. Overall financial and activity report

7. Joint Project Report

8. Joint Project Report checked and signed by FM

6. Individual validated reports

2. Detailed account report

PMTeam

1. Financial documents

3. Draft reports

4. Draft reports checked

5. Independent validation by a first level controller

FINANCIAL MANAGER

Project Partners

P2 UAB
P3 ALTERRA
P4 NORDREGIO
P5 IGSO

First level controllers

LP

Figure 2 EU-LUPA Project Audit trail
Annex II Dissemination & identification of targeted groups

The concern for dissemination and policy applications will guide the organization of the research effort throughout the entire process and, as such, will not merely be organized during the last six months of the project. The overall project structure is designed to reach the dissemination results according to ESPON requirements. The coordination of knowledge management will be guaranteed by the Project Lead Partner. The respective work package and tasks leaders are responsible for managing the knowledge gathered within this project.

This implies that dissemination activities will be carried out all along the project, with special emphasis in Tasks 2.4. and Tasks 2.5, as different end users and policy actors need to be addressed at different moments. The project partners are integrated in extensive scientific and policy-oriented networks, which facilitate the spread of relevant information on regional, national and international levels.

The involvement of relevant end-users in the project development is seen crucial, so as far as possible, it will be done by creating a sense of ownership with regard to the purpose, methods and outputs of the study.

The resulting guidelines and recommendations should be disseminated to every EU region, which will constitute a high added value to the project since this will help to establish a good information network on the land use management. The workshops organized within Task 2.4 Case Studies and Task 2.5 Policy recommendations will constitute themselves a dissemination activity to widespread project objectives and preliminary results to end-users and administrations.

As such, common partner links with other ESPON 2013 projects will be cultivated to facilitate the exchange of data where permissible. Moreover, all EU-LUPA activities in this field will be coordinated with the dissemination activities of the ESPON 2013 Programme.

To ensure the consistency of a project’s dissemination activities with respective activities organised at Programme level, the EU-LUPA project will consider the objectives and actions of Priority 4 of the ESPON 2013 Programme “Capitalisation, ownership and participation: Capacity building, dialogue and networking”, as it represents a core element in making the knowledge base of ESPON operational and used in practice, and for the preparation of effective territorial policies. The dissemination activities will use the communication channels generally available to partners involved in the project (web pages, newsletters, conferences, scientific journals), and, will also participate in disseminations events organized by the ESPON Programme, in the framework of international conferences and seminars, e.g. transnational activities of the ECP Network, events organised by the CU. An important activity regarding dissemination of the project results will consist in an individual communication (by post mail, e-mail, interview on-line, if it is possible) to concreted EU regions authorities in a wide scope, in order to spread their regional profiles, and policy recommendations, among others. The regional contact information will be extracted from some European sources as Innovating Regions in Europe (www.innovating-regions.org), Assembly of European Regions (www.a-e-r.org) and other relevant regional networks in a EU scope.

The EU-LUPA project will address the following target groups with a double perspective:

- on one hand to get in-puts for project development
- on the other hand to make sure that the project has relevant impact on related EU research and European and regional policy making

Table 1 EU-LUPA Targeted groups
<table>
<thead>
<tr>
<th>Target groups</th>
<th>Objective</th>
<th>Level</th>
<th>Addressed by</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ESPON Programme</strong>&lt;br&gt;Community, including experts and clients</td>
<td>Provide relevant information to ESPON&lt;br&gt;Orientation and needs for further research</td>
<td>EU</td>
<td>Presentations, Conferences 2010, 2011, 2012 and 2013 and when solicited by ESPON CU</td>
</tr>
<tr>
<td><strong>Scientific community</strong></td>
<td>Provide relevant information at EU level /Impact on EU research</td>
<td>EU</td>
<td>Dissemination of project results</td>
</tr>
<tr>
<td>Land use research centres in EU</td>
<td></td>
<td></td>
<td>Dissemination of project results in Technology Platforms</td>
</tr>
<tr>
<td>Environmental Research centres in EU</td>
<td>Impact on EU research</td>
<td>EU</td>
<td>Dissemination of project results in Technology Platforms</td>
</tr>
<tr>
<td>JRC/IES</td>
<td>Impact on EU research</td>
<td>EU/ Regional level</td>
<td>Dissemination of project results in Technology Platforms&lt;br&gt;Consultation and Participation in Project Workshops</td>
</tr>
<tr>
<td>Spatial Planning Experts</td>
<td>Get in-put and feedback /Impact on EU research</td>
<td>EU/ Regional level</td>
<td>Consultation and Participation in Project Workshops</td>
</tr>
<tr>
<td>Environmental Experts</td>
<td>Get in-put and feedback /Impact on EU research</td>
<td>EU/ Regional level</td>
<td>Consultation and Participation in Project Workshops</td>
</tr>
<tr>
<td>Transportation Experts</td>
<td>Get in-put and feedback</td>
<td>EU/ Regional level</td>
<td>Consultation and Participation in Project Workshops</td>
</tr>
<tr>
<td>Urban planning/development</td>
<td>Get in-put and feedback</td>
<td>Local Level</td>
<td>Consultation and Participation in Project Workshops</td>
</tr>
<tr>
<td><strong>European policy making</strong></td>
<td>Impact on EU policy making</td>
<td>EU</td>
<td>Project Workshop 2</td>
</tr>
<tr>
<td>DG REGIO</td>
<td></td>
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<tr>
<td>DG AGRI</td>
<td>Impact on EU policy making</td>
<td>EU</td>
<td>Project Workshop 2</td>
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<tr>
<td>DG ENV</td>
<td>Impact on EU policy making</td>
<td>EU</td>
<td>Project Workshop 2</td>
</tr>
<tr>
<td>EEA</td>
<td>Impact on EU policy making</td>
<td>EU</td>
<td>Project Workshop 2</td>
</tr>
<tr>
<td>The Committee of Regions</td>
<td>Get in-put and feedback</td>
<td></td>
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<tr>
<td><strong>Regional policy making</strong></td>
<td>Impact on EU policy making</td>
<td>Regional/ National</td>
<td>Project Workshop 1 and 2</td>
</tr>
<tr>
<td>Regional Land Use Planners</td>
<td></td>
<td></td>
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<tr>
<td>Local Planners/Urban planners</td>
<td></td>
<td></td>
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<tr>
<td>Regional infrastructure planers</td>
<td></td>
<td></td>
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<tr>
<td>End-users</td>
<td>Regional/ National/local</td>
<td>Project Workshop 1 and 2</td>
<td></td>
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<tr>
<td>End-users</td>
<td>Local</td>
<td>Project Workshop 1 and 2</td>
<td></td>
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</tbody>
</table>
Annex III Literature review

Andrew Copus and Joan Noguera. 2010 A Typology of Intermediate and Predominantly Rural NUTS 3 Regions. EDORA (European Development Opportunities for Rural Areas). ESPON


COM (2008) 616 final Green Paper on Territorial Cohesion Turning territorial diversity into strength


EU (2007) First Action Programme for the implementation of the Territorial Agenda of the European Union

EU (2007)Territorial Agenda of the European Union

FARO-EU: Foresight Analysis of Rural areas of Europe. Deliverable reports WP2 ‘Rural indicators, typology and past trends and patterns’.


Hubert Wiggering et al 2006 Indicators for multifunctional land use- Linking socio-economic requirements with landscape potentials Ecological Indicators pp 238-249

Jan Feraneca, Gerard Hazeub, Susan Christensenc, Gabriel Jaffrain 2007 Corine land cover change detection in Europe (case studies of the Netherlands and Slovakia) Land Use Policy 24 pp 234-247


Katharina Helming, Marta Pérez-Soba, Paul Tabbush (Editors) 2008 Sustainability Impact Assessment of Land Use Changes, Springer


Milego, R. & Ramos, M.J., 2010. Disaggregation of socioeconomic data into a regular grid: Results of the methodology testing phase. ESPON database 2013. UAB, Bellaterra, Spain

Paracchini ML, Pacini C, Jones MLM and Pérez-Soba M. 2009. An aggregation framework to link indicators associated with multifunctional land use to the stakeholder evaluation of policy options. ECOIND-503; No of Pages 10

Patrick Galera Lindblom and Rasmus Ole Rasmussen 2008 Bioenergy and Regional Deve

Countries Nordregio In cooperation with the Faculty of Landscape Management and Nature Conservation at the University of Applied Sciences in Eberswalde Nordregio


Project 3.3 Territorial dimension of the Lisbon-Gothenburg strategy. Final Report Revisited


Annex IV Data sources

Land use/land cover data at European level

CORINE Land Cover

Geographic coverage: EU 27, Norway, Western Balkans, Turkey
Time series:
1990 (±4). Not available for Norway, Sweden, UK, Turkey and some Western Balkans
2000 (±1). The higher availability.
2000. UK and Greece are still missing

Urban Atlas

This is a high resolution land cover for the cities included in Urban Audit. Because there is no time change for this data it will be used to assess the error associated with CLC for urban areas and to better characterise the cities and agglomerations
Geographic coverage: Same cities as Urban Audit. Currently available for 120 cities.
Time series: 2007

High resolution soil sealing

High Resolution Soil sealing layer. This layer has been developed in parallel with the CLC and provides the percentage of impervious surface in Europe. This information is relevant to characterise the urban areas. It is only available for year 2006.
Geographic coverage: full Europe

LUCAS

LUCAS is point data on land use in Europe. The information derived from this survey is truly land use since multiple uses are recorded per point if this is the case. It will be used as complementary information, mainly for agricultural areas which was the focus of the first survey (2001, 2003).

The following data sources will be also used to complement the analysis:

Environmental information
- Natura 2000 sites.
- Air pollution. Air pollution is provided by AirBase and it has a European wide coverage.
- Agricultural census

Socio-economic data

At Local level. Urban Audit will provide the required socio-economic information for urban areas which are close to the local scale.

At Regional level (NUTS 2/3) and European level: Population and other socio-economic information will be compiled from Eurostat and ESPON database.
Statistical Sources

General:
European Commission- Energy fact sheets by country:
ESPON Navigator: www.espon.eu
International Energy Agency: www.iea.org

Austria:
Zentralanstalt fuer Meteorologie und Geodynamik: http://zamg.zc.at
Statistics Austria: http://statistik.at

Belgium:
Statistics Belgium: http://www.statbel.fgov.be/
Institut wallon de l'évaluation, de la prospective et de la statistique:
http://statistiques.wallonie.be/
Studiedienst van de Vlaamse Regering: http://aps.vlaanderen.be/
ECODATA: http://ecodata.mineco.fgov.be/

Bulgaria:
National Statistical Institute: http://www.nsi.bg/Index_e.htm

Cyprus:
Statistical Service of Republic of Cyprus:

Czech Republic:

Denmark:
Statistics Denmark: http://www.dst.dk/

Estonia:
Institute of Environmental Physics of the University of Tartu:
http://ael.physic.ut.ee/KF.public/default_eng.htm

France:

Finland:

Germany:
Deutscher Wetterdienst: http://www.dwd.de/
AG Umwelt-ökonomische Gesamtrechnungen der Länder: http://www.ugrdl.de/
Federal Ministry of Economics and Technology:
http://www.bmwि.de/English/Navigation/root.html
Statistisches Bundesamt Deutschland EDS Europäischer Datenservice
Statistical Office of Bayern: http://www.statistik.bayern.de/
Statistical Office of Bremen: http://www.statistik.bremen.de
Sweden:
Statistics Sweden: http://www.scb.se/

Turkey
According to the “Mission Report Mission Report on the subject: “Regional Statistics, definition NUTS, coordination with other administrations”, by 2002, Turkey has the following territorial breakdown: “Administrative division of Turkey is formed by province, district and villages. There are 81 Provinces. Regional level 3 was defined on the base of provinces. Most of the basic and important statistical data are collected on the base of provinces. Regional level 2 was defined by grouping provinces together (26 Sub-regions, called SRE). Finally, regional level 1 was determined by geographical, economic and social criteria (12 Regions”). According to this document, the Turkish Statistical Office was to submit to Eurostat the “REGIO availability list” with all data contained in REGIO. Some of this data is by now available in the Eurostat database and has been included in the Annex, Section VI.
Turkstat’s statistical yearbook contains some more data with regional breakdown:
- City and village population and annual growth rate of population 1990 – 2000,
- Population, annual growth rate and population density 1990 – 2000
- Number of households and size, 2000
- Mid-year population estimates (city, village), 2005
- Employment and unemployment rate, 2005
- Employment by sector (agriculture, industry, services), 2005
- Nº of poor households and nº of individual poor in urban and rural zones (2004)
- GDP 2001
- Household income distribution

Phone: 0312 410 04 10 Fax: 0312 425 33 87 E-mail: info@tuik.gov.tr

United Kingdom:
Planning Portal: http://www.planningportal.gov.uk/
BERR: Department for Business Enterprise & Regulatory Reform: http://www.berr.gov.uk/
Department of Environment, Food and Rural Affairs: http://www.defra.gov.uk/

Western Balkan Countries:
EU-LUPA project will integrate the information already supplied as a result of the “ECP Transnational Networking Activity” “Western Balkans”.

Croatia
The statistical data available for Croatia contains most necessary demographic and economic data and is generally available for 2005.
Croatia: Republic of Croatia - Central Bureau Of Statistics http://www.dzs.hr/default_e.htm

Federation of Bosnia and Herzegovina
In the Statistical Yearbook 2007, we find very detailed data on “energy and fuel consumption in driving and production purpose” for the year 2006, derived from the “Annual Report on Energy-generating products and raw materials in Industry.” Furthermore, the “cost of living indices according to groups and subgroups of products and services” provides very detailed information on the development of energy prices between 1999 and 2006. However, the usefulness of this data has to be confirmed with national experts, since other, much more basic data on energy production and consumption or poverty level is lacking.

FYROM (Macedonia)
Data accessibility for FYROM is more limited than in the rest of the Western Balkan countries, since the Statistical Yearbook cannot be consulted online and all other publications also have to be purchased.

**Serbia and Montenegro**
National demographic and economic data is available (in English) from the Serbian Statistical Yearbook 2007, which contains most necessary demographic and economic data.
- Demographic series until 2002
- Unemployment 2005, 2006
- Value-added by industry 2002 – 2004
- GdP 2002 – 2006 by industry
- Household expenditures on waste collection and, water services and energy products, 2004-2005 (details for electricity, gas firewood and coal and division for urban and rural areas)


**Albania**
Institute of Statistics http://www.instat.gov.al/
The data that can be accessed free of charge indicates a lack of detail for the economic indicators necessary to evaluate the impact on competitiveness:
- Demographic indicators (1990-2007)
- Income by household type (2000)
- GDP at current prices by economic activities (1996-2006)
### Annex V Use of existing ESPON results relevant for this project

<table>
<thead>
<tr>
<th>ESPON project</th>
<th>Contributions to Land Use evaluation</th>
<th>Regional typologies to be used</th>
<th>Other relevant information</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1.1. Potential for polycentric development in Europe</td>
<td>ESPON 1.1.1 provides an overview of the European urban system with regards to functional specialisations and current degrees of polycentricity. It also made a prospective analysis of possible effects of regional polycentric integration in different parts of Europe. Finally, the different applications of polycentricity in national policies have been reviewed. In EU-LUPA project Polycentrism will be analysed as potential driving force to explain land use dynamics in Europe.</td>
<td>ESPON 1.1.1 has not produced any regional typology. A separate report was produced explaining why typologies of regions regarding urban infrastructure need to take into account cities in the vicinity of each region and not only within them. The typologies resulting from this separate report where however not included in the final ESPON 1.1.1 report.</td>
<td>ESPON 1.1.1 produced different typologies of cities. A first typology sought to identify the most important cities of Europe, or so-called Metropolitan European Growth Areas (MEGA).</td>
</tr>
<tr>
<td>1.1.2. Urban-Rural relations in Europe</td>
<td>Identification of actors that lead to non-efficient and unsustainable use of land (eg.: settlement growth vs. agricultural/rural uses) Analyse the dynamics of rural land use, urban land use and open space (non-built areas)</td>
<td>ESPON 1.1.2 has primarily produced a typology of urban and rural influence in regions at the NUTS 3 level, based on population density, FUA ranking and land cover. It discusses topics such as urbanisation, rural restructuring, the urban-rural characteristics, the relations between urban and rural areas and finally urban sprawl. The Commission has proposed a revised version of this typology in the Green Paper on Territorial Cohesion that will be also consulted.</td>
<td>ESPON 1.1.2 has produced some detailed analyses of urban sprawl (sections 5.4-, pp. 222-235) one of the main focus of EU-LUPA project</td>
</tr>
<tr>
<td>1.1.4: The role of small and medium sized towns</td>
<td>ESPON 1.1.4 SMESTOS is built on the discussions initiated by ESPON 1.1.1 and ESPON 1.1.2. It discusses the role of small and medium size towns within the spatial organisation of</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

ESPON 2013
<table>
<thead>
<tr>
<th>ESPON project</th>
<th>Contributions to Land Use evaluation</th>
<th>Regional typologies to be used</th>
<th>Other relevant information</th>
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</thead>
<tbody>
<tr>
<td>1.4.3: Study on Urban Functions</td>
<td>In puts to the EU-LUPA project methodology to address Land Use Functions within the task of characterisation of land use in Europe</td>
<td>ESPON 1.4.3 first assessed the results of project 1.1.1. It provides elimination of Functional Urban Areas (FUA).</td>
<td>Polycentricity issue has been discussed.</td>
</tr>
<tr>
<td>2.1.3: Territorial impact of CAP and Rural Development Policy</td>
<td>ESPON 2.1.3 concluded that in aggregate the Common Agricultural Policy (CAP) of the European Union (EU) has worked against the ESDP objective of balanced territorial development, and has not supported the ESDP objectives of economic and social cohesion. Within EU-LUPA project CAP and Rural Development Policy will be analysed as driving forces behind land use changes and dynamics</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>2.1.4. Territorial trends of energy services and networks and territorial impact of EU energy policy</td>
<td>Data that can be used if updated: Map 34 Number of Regional Energy Agencies by NUTS 2. Source: European Commission, ManagEnergy Initiative</td>
<td>Regions with influence on national energy policy</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Renewable potential: Map 16 Wind potential on NUTS 0 (source EWEA, Meteotest, WASP <a href="http://www.wasp.dk">www.wasp.dk</a> ) In relation to Land Use Performance of regions</td>
<td>Regions with high / low wind potential</td>
<td>Will be contacted for more detailed grid data</td>
</tr>
<tr>
<td></td>
<td>Map 22 Biomass potential at NUTS 3 in 2002 (GJ) as driver for land use change Table 7 Summary of main energy</td>
<td>Rural regions with high / low biomass potential</td>
<td>Derived from Corinne Landcover data. Analysis needs to be checked</td>
</tr>
<tr>
<td>ESPON project</td>
<td>Contributions to Land Use evaluation</td>
<td>Regional typologies to be used</td>
<td>Other relevant information</td>
</tr>
<tr>
<td>------------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>2.2.1: Territorial effects of structural funds</td>
<td>ESPON 2.2.1 addressed the spatial impacts of Structural Funds with a particular focus on polycentricity and territorial cohesion in Europe.</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>2.4.1: Territorial Trends and Impacts of EU Environmental Policy</td>
<td>In puts to EU-LUPA in the sense of analyse the consequences (economic, social and environmental) of EU policy for land use changes ESPON 2.4.1 interpreted the CORINE Land Cover data, combined socio-economic data, information on infrastructure and data of the Natura 2000 network and proposed a feasible Territorial Impact Assessment (TIA) of EU Environmental Policy.</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>Project 3.3 Territorial dimension of the Lisbon-Gothenburg strategy.</td>
<td>Territorial Performance Indicators (Task 2.3)</td>
<td>Territorialisation typologies</td>
<td>It may provide interest inputs for policy recommendations within Task 2.5 of EU-LUPA project</td>
</tr>
<tr>
<td>TIPTAP - Territorial Impact Package for Transport and Agricultural Policies (July 2008- October 2009) under Priority 1 of the ESPON 2013 Programme</td>
<td>Transport and Agricultural policies as driving forcers behind land use changes and dynamics.</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>SS-LR - Spatial Scenarios: New Tools for Local-Regional Territories (March 2009- June 2010) under Priority 2 of the ESPON 2013 Programme</td>
<td>Adaptation of thematic scenarios at functional territorial scale, equal or lower than NUTS3,</td>
<td>NA</td>
<td>It may provide interest inputs for policy recommendations within Task 2.5 of EU-LUPA project</td>
</tr>
<tr>
<td>&quot;European Development Opportunities for Rural Areas</td>
<td>Economic, social and environmental indicators.</td>
<td>Different types of European rural areas.</td>
<td></td>
</tr>
</tbody>
</table>
|                                                                              |                                                                                                      | Rural development as indicator to measure territorial performance in line.
<table>
<thead>
<tr>
<th>ESPON project</th>
<th>Contributions to Land Use evaluation</th>
<th>Regional typologies to be used</th>
<th>Other relevant information</th>
</tr>
</thead>
<tbody>
<tr>
<td>(EDORA)*, (Sept 2008- Sept 2010) under Priority 1 of the ESPON 2013 Programme</td>
<td>Identification of drivers for development opportunities in rural areas.</td>
<td></td>
<td>with the Lisbon/Gothenburg Strategy.</td>
</tr>
<tr>
<td>“Climate Change and Territorial Effects on Regions and Local Economies in Europe”. (March 2009- April 2011) under Priority 1 of the ESPON 2013 Programme</td>
<td>Indicators used to measure regional vulnerability to climate change as driver for land use change.</td>
<td>Typologies of European regions due to their degree of vulnerability to climate change</td>
<td>In puts for policy recommendations.</td>
</tr>
<tr>
<td>ATTREG - Attractiveness of European Regions and Cities for Residents and Visitors under Priority 1 of the ESPON 2013 Programme</td>
<td>Indicators providing information on the different types of attractiveness and competitiveness as drivers for land use change</td>
<td>NA</td>
<td>Information of attractiveness at local/city level</td>
</tr>
<tr>
<td>METROBORDER - Cross-Border Polycentric Metropolitan Regions under Priority 2 of the ESPON 2013 Programme</td>
<td>Identification of functions supported by metropolitan regions in cross-border contexts</td>
<td>Metropolitan polycentric cross-border areas across Europe and their predominant functions</td>
<td></td>
</tr>
<tr>
<td>INTERCO Indicators on Territorial Cohesion</td>
<td>Identification of indicators to measure Land Use performance</td>
<td>NA</td>
<td>In puts for policy recommendations</td>
</tr>
</tbody>
</table>
Annex VI Preliminary list of indicators to be used in the project

The purpose of the indicators is to provide information for the characterisation of the regions of Europe that can be further used to derive the typologies, the land use performance and efficiency evaluation.

The following table suggests the kind of indicators that could be used in the project. Besides a selection of indicators based on existence in both earlier indicator frameworks (IRENA,…..) and use in main EU FP projects (SEAMLESS, SENSOR ….e.a) will be updated in the Interim Report.
<table>
<thead>
<tr>
<th>TOPIC</th>
<th>INDICATOR</th>
<th>REFERENCE SOURCE or DATABASE</th>
<th>REGIONAL REFERENCE</th>
<th>TIME REFERENCE</th>
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<tbody>
<tr>
<td>Land cover</td>
<td>Dominant land-cover type</td>
<td>CORINE LAND COVER</td>
<td>NUTS2/3/4</td>
<td>1999-2000-2006</td>
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<tr>
<td></td>
<td>Percentage of urban areas</td>
<td>CORINE LAND COVER</td>
<td>NUTS2/3/4</td>
<td>1999-2000-2008</td>
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<tr>
<td>Land cover changes</td>
<td>Land took per capita</td>
<td>CORINE LAND COVER</td>
<td>NUTS2/3/4</td>
<td>1999-2000-2010</td>
</tr>
<tr>
<td></td>
<td>Changes in forest</td>
<td>CORINE LAND COVER</td>
<td>NUTS2/3/4</td>
<td>1999-2000-2012</td>
</tr>
<tr>
<td>Polycentric development</td>
<td>Size Index: population and GDP</td>
<td>ESPON Project 1.1.1</td>
<td>NUTS2/3/4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Location Index</td>
<td>ESPON Project 1.1.2</td>
<td>NUTS2/3/4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Correlation of population and accessibility</td>
<td>ESPON Project 1.1.2</td>
<td>NUTS2/3/4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Primacy rate - Share of largest city population to total population in %</td>
<td>ESPON PROJECT 2.4.2</td>
<td>NUTS 2-3</td>
<td>2002</td>
</tr>
<tr>
<td></td>
<td>Population density of permanently populated area / artificial area</td>
<td>ESPON PROJECT 2.4.2</td>
<td>NUTS 2-3</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Share of population in cities below 50.000 inhabitants</td>
<td>ESPON PROJECT 2.4.2</td>
<td>NUTS 2-3</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>FUA within the region - Existence of at least one FUA within the region</td>
<td>ESPON PROJECT 2.4.2</td>
<td>NUTS 2-3</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>MEGA within the region - Existence of at least one MEGA within the region</td>
<td>ESPON PROJECT 2.4.2</td>
<td>NUTS 2-3</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Share of urban population based on national classifications</td>
<td>ESPON PROJECT 1.1.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Share of rural population based on national classifications</td>
<td>ESPON PROJECT 1.1.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Typology or urban/rural population based on national classifications</td>
<td>ESPON PROJECT 1.1.2</td>
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<td></td>
<td>Typology or urban-rural characteristics based on harmonised criteria</td>
<td>ESPON PROJECT 1.1.2</td>
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<td></td>
<td>Artificial surfaces</td>
<td>ESPON PROJECT 1.1.2</td>
<td></td>
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<tr>
<td></td>
<td>Artificial surfaces per capita</td>
<td>ESPON PROJECT 1.1.2</td>
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<tr>
<td></td>
<td>Artificial surfaces per GDP pps</td>
<td>ESPON PROJECT 1.1.2</td>
<td></td>
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<td>TOPIC</td>
<td>INDICATOR</td>
<td>REFERENCE SOURCE</td>
<td>REGIONAL REFERENCE</td>
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<tr>
<td></td>
<td>immigration (2000)</td>
<td>ESPON PROJECT 1.1.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>tourists' overnight stays (1995 and 2000)</td>
<td>ESPON PROJECT 1.1.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>tourists' arrivals (1995 and 2000)</td>
<td>ESPON PROJECT 1.1.2</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>level of education, i.e. number of pupils/students by school level (1995 and 2000)</td>
<td>ESPON PROJECT 1.1.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Multimodal potential accessibility, absolute level</td>
<td>ESPON Territorial Observation No.2</td>
<td>NUTS3</td>
<td>2001</td>
</tr>
<tr>
<td></td>
<td>Potential accessibility by air, absolute level</td>
<td>ESPON Territorial Observation No.2</td>
<td>NUTS3</td>
<td>2001</td>
</tr>
<tr>
<td></td>
<td>Multimodal potential accessibility, standardised</td>
<td>ESPON Territorial Observation No.2</td>
<td>NUTS3</td>
<td>2001</td>
</tr>
<tr>
<td></td>
<td>Multimodal potential accessibility, change of standardised (ESPON = 100) index value</td>
<td>ESPON Territorial Observation No.2</td>
<td>NUTS3</td>
<td>2001</td>
</tr>
<tr>
<td></td>
<td>Multimodal potential accessibility, absolute change (in % of ESPON average for 2006)</td>
<td>ESPON Territorial Observation No.2</td>
<td>NUTS3</td>
<td>2001</td>
</tr>
<tr>
<td></td>
<td>Potential accessibility road, absolute value standardised to the European Average: EU27 = 100</td>
<td>ESPON Territorial Observation No.2</td>
<td>NUTS3</td>
<td>2001</td>
</tr>
<tr>
<td></td>
<td>Potential accessibility road, relative change in %</td>
<td>ESPON Territorial Observation No.2</td>
<td>NUTS3</td>
<td>2001</td>
</tr>
<tr>
<td></td>
<td>Potential accessibility road, absolute change (in % of ESPON average for 2006)</td>
<td>ESPON Territorial Observation No.2</td>
<td>NUTS3</td>
<td>2001</td>
</tr>
<tr>
<td></td>
<td>Potential accessibility road, index change, difference of the index values, index values are standardised to the respective averages of the two years.</td>
<td>ESPON Territorial Observation No.2</td>
<td>NUTS3</td>
<td>2001</td>
</tr>
<tr>
<td></td>
<td>Potential accessibility rail, absolute value standardised to the European Average: EU27 = 100</td>
<td>ESPON Territorial Observation No.2</td>
<td>NUTS3</td>
<td>2001</td>
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<tr>
<td></td>
<td>Potential accessibility rail, relative change in %</td>
<td>ESPON Territorial Observation No.2</td>
<td>NUTS3</td>
<td>2001</td>
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<tr>
<td></td>
<td>Potential accessibility rail, absolute change (in % of ESPON average for 2006)</td>
<td>ESPON Territorial Observation No.2</td>
<td>NUTS3</td>
<td>2001</td>
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<tr>
<td></td>
<td>Potential accessibility road, index change, difference of the index values, index values are standardised to the respective averages of the two years.</td>
<td>ESPON Territorial Observation No.2</td>
<td>NUTS3</td>
<td>2001</td>
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<tr>
<td><strong>Demographic change</strong></td>
<td>Total population</td>
<td>11_ESPON 2013 Database_Basic indicators</td>
<td>NUTS3</td>
<td>2000-2006</td>
</tr>
<tr>
<td></td>
<td>Total population change</td>
<td>13_ESPON Territorial Observation No.1</td>
<td>NUTS2 &amp; NUTS3</td>
<td>1995/96, 2000/01</td>
</tr>
<tr>
<td></td>
<td>Natural population change</td>
<td>13_ESPON Territorial Observation No.1</td>
<td>NUTS2 &amp; NUTS3</td>
<td>1995/96, 2000/01</td>
</tr>
<tr>
<td></td>
<td>Migratory population change</td>
<td>13_ESPON Territorial Observation No.1</td>
<td>NUTS2 &amp; NUTS3</td>
<td>1995/96, 2000/01</td>
</tr>
<tr>
<td></td>
<td>Index of sustainable demographic development</td>
<td>ESPON project 3.2</td>
<td>NUTS 2</td>
<td>2000</td>
</tr>
<tr>
<td></td>
<td>Index of sustainable demographic development, estimation baseline scenario</td>
<td>ESPON project 3.2</td>
<td>NUTS 2</td>
<td>2015</td>
</tr>
<tr>
<td></td>
<td>Index of sustainable demographic development, estimation baseline scenario</td>
<td>ESPON project 3.2</td>
<td>NUTS 2</td>
<td>2030</td>
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<tr>
<td></td>
<td>Index of sustainable demographic development, estimation cohesion scenario</td>
<td>ESPON project 3.2</td>
<td>NUTS 2</td>
<td>2015</td>
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<td></td>
<td>Index of sustainable demographic development, estimation cohesion scenario</td>
<td>ESPON project 3.2</td>
<td>NUTS 2</td>
<td>2030</td>
</tr>
<tr>
<td></td>
<td>Index of sustainable demographic development, estimation competitive scenario</td>
<td>ESPON project 3.2</td>
<td>NUTS 2</td>
<td>2015</td>
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<tr>
<td></td>
<td>Index of sustainable demographic development, estimation competitive scenario</td>
<td>ESPON project 3.2</td>
<td>NUTS 2</td>
<td>2030</td>
</tr>
<tr>
<td></td>
<td>Life expectancy at birth (years)</td>
<td>ESPON project 3.2</td>
<td>NUTS 2</td>
<td>2000</td>
</tr>
<tr>
<td></td>
<td>Life expectancy at birth, estimation baseline scenario (years)</td>
<td>ESPON project 3.2</td>
<td>NUTS 2</td>
<td>2015</td>
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<td>Life expectancy at birth, estimation baseline scenario (years)</td>
<td>ESPON project 3.2</td>
<td>NUTS 2</td>
<td>2030</td>
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<td>Life expectancy at birth, estimation cohesion scenario (years)</td>
<td>ESPON project 3.2</td>
<td>NUTS 2</td>
<td>2015</td>
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<td>Life expectancy at birth, estimation cohesion scenario (years)</td>
<td>ESPON project 3.2</td>
<td>NUTS 2</td>
<td>2030</td>
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<td>TOPIC</td>
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<td>Life expectancy at birth, estimation competitive scenario (years)</td>
<td>ESPON project 3.2</td>
<td>NUTS 2</td>
<td>2015</td>
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<tr>
<td>Life expectancy at birth, estimation competitive scenario (years)</td>
<td>ESPON project 3.2</td>
<td>NUTS 2</td>
<td>2030</td>
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<tr>
<td>Median age (years)</td>
<td>ESPON project 3.2</td>
<td>NUTS 2</td>
<td>2000</td>
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<tr>
<td>Median age, estimation baseline scenario (years)</td>
<td>ESPON project 3.2</td>
<td>NUTS 2</td>
<td>2015</td>
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<td>Median age, estimation baseline scenario (years)</td>
<td>ESPON project 3.2</td>
<td>NUTS 2</td>
<td>2030</td>
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<td>Median age, estimation cohesion scenario (years)</td>
<td>ESPON project 3.2</td>
<td>NUTS 2</td>
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<td>Median age, estimation cohesion scenario (years)</td>
<td>ESPON project 3.2</td>
<td>NUTS 2</td>
<td>2030</td>
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<tr>
<td>Median age, estimation competitive scenario (years)</td>
<td>ESPON project 3.2</td>
<td>NUTS 2</td>
<td>2015</td>
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<tr>
<td>Median age, estimation competitive scenario (years)</td>
<td>ESPON project 3.2</td>
<td>NUTS 2</td>
<td>2030</td>
<td></td>
</tr>
<tr>
<td>Density of population</td>
<td>Eurostat</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Share of population in municipalities &gt; 250,000 inhabitants</td>
<td>Eurostat</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Share of population &gt; 65 years</td>
<td>Eurostat</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Education</td>
<td>Eurostat</td>
<td></td>
<td></td>
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<tr>
<td>Economy</td>
<td>GDP in euro</td>
<td>ESPON Database_Basic indicators</td>
<td>NUTS3</td>
<td>2000-2006</td>
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<tr>
<td>GDP per capita</td>
<td>Eurostat</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Value added in agricultural sector</td>
<td>Eurostat</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unemployment rate</td>
<td>Eurostat</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tourism: number of available beds (check Eurostat)</td>
<td>Eurostat</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lisbon and Gothenburg objectives</td>
<td>Composite Lisbon performance benchmark: Average of all individual quartiles of performance of seven regionalised Lisbon short list indicators: 1. GDP/capita; 2. GDP/person employed; 3. employment rate of 15-64; 4. employment rate of elderly; 5. gross expenditure on research and development, 6. dispersion of regional unemployment rates; and 7. long-term unemployment rate.</td>
<td>12_ESPON Territorial Observation No.3_Lisbon strategy performance</td>
<td>NUTS 2</td>
<td>2000, 2006</td>
</tr>
<tr>
<td>TOPIC</td>
<td>INDICATOR</td>
<td>REFERENCE SOURCE or DATABASE</td>
<td>REGIONAL REFERENCE</td>
<td>TIME REFERENCE</td>
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<tr>
<td></td>
<td>Composite indicator relating to: Innovation and Research. Based on Internet users, Firms with internet access, Available e-government services, Universities students, Innovative dependency index, Population with tertiary education, Population in life-long learning, Research Centres, Old and new technologies</td>
<td>ESPON 3.3 - Territorial dimension of the Lisbon-Gothenburg Process</td>
<td>NUTS2 &amp; NUTS3</td>
<td>2006</td>
</tr>
<tr>
<td></td>
<td>Composite indicator relating to Global/Local Interaction. Derived from General environmental concerns, Specific environmental concerns, Manufacturing enterprise, Products trademarks, Energy self-sufficiency index, FDI intensity, Trade integration of goods, Trade integration of services, Degree of Vulnerability in Europe, Typology Multimodal Accessibility Potential, Fiscal pressure, Labour cost, Long Term Interest rate, R&amp;D Centres, Credit institutions, Insurance companies, Companies (local units), Stock markets capitalization, Population change Tourists inbound, Tourists outbound, Students inbound, Students outbound, Researchers inbound, Researchers outbound, Active people</td>
<td>ESPON 3.3 - Territorial dimension of the Lisbon-Gothenburg Process</td>
<td>NUTS2 &amp; NUTS3</td>
<td>2006</td>
</tr>
<tr>
<td></td>
<td>Composite indicator relating to: Resources and Funds. Derived from R&amp;D expenditure, National aids, Human Capital expenditure, Employment expenditure, Climate and Natural Resources expenditure, Efficiency and accessibility, Public Health expenditure, Poverty and Age expenditure, Funds spending, Economic resources</td>
<td>ESPON 3.3 - Territorial dimension of the Lisbon-Gothenburg Process</td>
<td>NUTS2 &amp; NUTS3</td>
<td>2006</td>
</tr>
<tr>
<td>TOPIC</td>
<td>INDICATOR</td>
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<td></td>
<td>GDP per capita in PPS</td>
<td>ESPON Project 2.4.2</td>
<td>NUTS 2</td>
<td>2002</td>
</tr>
<tr>
<td></td>
<td>GDP growth in PPS per capita 1995-2002</td>
<td>ESPON Project 2.4.2</td>
<td>NUTS 2</td>
<td>1995-2002</td>
</tr>
<tr>
<td></td>
<td>Productivity - GDP per person employed</td>
<td>ESPON Project 2.4.2</td>
<td>NUTS 2</td>
<td>2002</td>
</tr>
<tr>
<td></td>
<td>Employment rate</td>
<td>ESPON Project 2.4.2</td>
<td>NUTS 2</td>
<td>2003</td>
</tr>
<tr>
<td></td>
<td>Expenditures, R&amp;D, all institut sectors, in %</td>
<td>ESPON Project 2.4.2</td>
<td>NUTS 2</td>
<td>2001</td>
</tr>
<tr>
<td></td>
<td>R&amp;D BES personnel</td>
<td>ESPON Project 2.4.2</td>
<td>NUTS 2</td>
<td>2001</td>
</tr>
<tr>
<td></td>
<td>High education population</td>
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<td>NUTS 2</td>
<td>2002</td>
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<tr>
<td></td>
<td>Unemployment rate 2003</td>
<td>ESPON Project 2.4.2</td>
<td>NUTS 2</td>
<td>2003</td>
</tr>
<tr>
<td></td>
<td>Developm Unemployment rate 1999-2003 in PP</td>
<td>ESPON Project 2.4.2</td>
<td>NUTS 2</td>
<td>1999-2003</td>
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<td>Youth unemployment 2003</td>
<td>ESPON Project 2.4.2</td>
<td>NUTS 2</td>
<td>2003</td>
</tr>
<tr>
<td></td>
<td>Labour Force Replacement:</td>
<td>ESPON Project 2.4.2</td>
<td>NUTS 2</td>
<td>2003</td>
</tr>
<tr>
<td></td>
<td>Number of persons employed per km2 2003</td>
<td>ESPON Project 2.4.2</td>
<td>NUTS 2</td>
<td>2003</td>
</tr>
<tr>
<td></td>
<td>Employment in tertiary sector</td>
<td>ESPON Project 2.4.2</td>
<td>NUTS 2</td>
<td>2003</td>
</tr>
<tr>
<td></td>
<td>Population ages 65 years and more, share of</td>
<td>ESPON Project 2.4.2</td>
<td>NUTS 2</td>
<td>2003</td>
</tr>
<tr>
<td></td>
<td>Changes in Natural Growth Potential</td>
<td>ESPON Project 2.4.2</td>
<td>NUTS 2</td>
<td>2002</td>
</tr>
<tr>
<td></td>
<td>Percent pop change 1995-2002</td>
<td>ESPON Project 2.4.2</td>
<td>NUTS 2</td>
<td>1995-2002</td>
</tr>
<tr>
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<td>Artificial surface</td>
<td>ESPON Project 2.4.2</td>
<td>NUTS 2</td>
<td>2002</td>
</tr>
<tr>
<td></td>
<td>Natural surface</td>
<td>ESPON Project 2.4.2</td>
<td>NUTS 2</td>
<td>2002</td>
</tr>
<tr>
<td></td>
<td>Agricultural intensity</td>
<td>ESPON Project 2.4.2</td>
<td>NUTS 2</td>
<td>2002</td>
</tr>
<tr>
<td></td>
<td>Regional average number of flood events</td>
<td>ESPON Project 2.4.2</td>
<td>NUTS 2</td>
<td>1987-2002</td>
</tr>
<tr>
<td></td>
<td>Approximate probability of having winter storms</td>
<td>ESPON Project 2.4.2</td>
<td>NUTS 2</td>
<td>2002</td>
</tr>
<tr>
<td></td>
<td>Earthquake hazard potential</td>
<td>ESPON Project 2.4.2</td>
<td>NUTS 2</td>
<td>2002</td>
</tr>
<tr>
<td></td>
<td>Change of dry spell combination with drought</td>
<td>ESPON Project 2.4.2</td>
<td>NUTS 2</td>
<td>2001</td>
</tr>
<tr>
<td></td>
<td>Potential Accessibility by Air</td>
<td>ESPON Project 2.4.2</td>
<td>NUTS 2</td>
<td>2001</td>
</tr>
<tr>
<td></td>
<td>Potential Accessibility by Rail</td>
<td>ESPON Project 2.4.2</td>
<td>NUTS 2</td>
<td>2001</td>
</tr>
<tr>
<td></td>
<td>Potential Accessibility by Road</td>
<td>ESPON Project 2.4.2</td>
<td>NUTS 2</td>
<td>2001</td>
</tr>
<tr>
<td></td>
<td>Time to market meso-scale</td>
<td>ESPON Project 2.4.2</td>
<td>NUTS 2</td>
<td>2001</td>
</tr>
</tbody>
</table>
Annex VII Potential Case Studies

| Öresund |
|-------------------|-------------------|-----------------|-------------------|-------------------|-------------------|
| **Location within Europe** | **North** | **West** | **East** | **Central** | **South** |
| 55° 40' 34" N; 12° 34' 06" E | x | | | | |

<table>
<thead>
<tr>
<th><strong>Size</strong></th>
<th><strong>Inhabitants</strong></th>
<th><strong>Density</strong></th>
<th><strong>Surface</strong></th>
<th><strong>Pop. growth rate (last 20 yr.)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>3.600.000</td>
<td>170/km²</td>
<td>21.203 km²</td>
<td>10% Expected increase</td>
<td>&gt;4 million by 2025</td>
</tr>
</tbody>
</table>

| **Qualitative description of Regional context** | Cross-border region with important impact on land use of the bridge between Sweden and Denmark. The focus would be on the Swedish side where most changes have been registered. |

Insert map

<table>
<thead>
<tr>
<th><strong>Specific type of territory</strong></th>
<th>Cross border</th>
<th>Mountain area</th>
<th>Highly populated area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outermost</td>
<td>Urban-rural-open space</td>
<td>Coastal</td>
<td></td>
</tr>
<tr>
<td>Other (specify)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Description</strong></th>
<th>The Öresund region is very interesting in the aspect of land use typologies with urban sprawl interaction, and consequently also with multifunctional activities as the following are taking place:</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Protected areas both on islands in the region, and on the Swedish mainland</td>
<td></td>
</tr>
<tr>
<td>- Agriculture, with South Sweden being the most intensive producing areas in Sweden</td>
<td></td>
</tr>
<tr>
<td>- A large number of renewable energy producers both individual and park based windmills, on both land and sea.</td>
<td></td>
</tr>
<tr>
<td>- In addition a high production of biomass for biogas, power and district heating generation. Especially on the Swedish side there are interactions and conflicts between agriculture and biomass production.</td>
<td></td>
</tr>
<tr>
<td>- High mobility between the Swedish and the Danish side, and with the bridge being the most important commuting tool, especially from the Swedish side</td>
<td></td>
</tr>
<tr>
<td>- Coastal communities where tourism and second homes from both sides are playing an important role</td>
<td></td>
</tr>
</tbody>
</table>

The region is an excellent illustration of the urban sprawl problem and since the bridge was erected the implications of urbanization from one country (the Danish side) on the land use patterns in another country (on the Swedish side) is obvious.

<table>
<thead>
<tr>
<th><strong>Level of prosperity</strong></th>
<th>Classification in Urban Audit Ecotec 2007¹</th>
<th>GDP per inhabitant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other relevant</td>
<td>This region is already part of Nordregio’s research agenda, so accessing</td>
<td></td>
</tr>
</tbody>
</table>

| GDP per inhabitant | 49.000 € |

ESPON 2013
**issues for the project**

Data, interviews etc. would be quite easy.

In relation to the aims of the case studies, this region will contribute by:

- Verify and confirm proposed typology and identified processes and challenges.
- Identify land use functions and undertake a “multifunctionality” assessment.
- Identify factors and drivers (natural and socio-economic) of land use changes and land use dynamics in detail in different types of areas;
- Give answer about mechanisms and trends (processes) of land use changes at local scale;
- Identify challenges in those areas and defining policy recommendations to cope with those challenges on the basis of stakeholders’ opinion;

<table>
<thead>
<tr>
<th>Targeted contact organisation</th>
<th>Targeted contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>NORDREGIO</td>
<td>Rasmus Ole Rasmussen</td>
</tr>
</tbody>
</table>
#### Thy/Mors

<table>
<thead>
<tr>
<th>Location within Europe</th>
<th>North</th>
<th>West</th>
<th>East</th>
<th>Central</th>
<th>South</th>
</tr>
</thead>
<tbody>
<tr>
<td>56° 57' 9&quot; N; 8° 41' 16&quot; E</td>
<td>x</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size</th>
<th>Inhabitants</th>
<th>Density</th>
<th>Surface</th>
<th>Pop. growth rate (last 20 yr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>65,000</td>
<td>2.5/km²</td>
<td>3000 km²</td>
<td>10% permanent, +20% vacation</td>
</tr>
</tbody>
</table>

| Qualitative description of Regional context | A local population of 65,000 but the region visited by a large number of second home owners and tourists. Klitmøller being among the important windsurfing sites in Europe) triples or quadruples the population in summer. |

**Inhabitants Density Surface Pop. growth rate (last 20 yr.)**

**Specific type of territory**

<table>
<thead>
<tr>
<th>Cross border</th>
<th>Mountain area</th>
<th>Highly populated area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outermost</td>
<td>Urban-rural-open space</td>
<td>Coastal</td>
</tr>
</tbody>
</table>

**Other (specify)**

Example of both promoting and conflicting land use functions

**Description**

The Thy/Mors region is interesting in the aspect of multifunctional landscapes as the following activities are taking place:

- Including the first Danish national park = protection of species as well as of pristine landscapes.
- Agriculture, with Mors as one of the most intensive producing areas in Denmark.
- A large number of renewable energy producers – both individual and park based windmills, a high production of biomass for power and district heating generation. One of the few geothermal sites in Denmark.
- The establishing of a Windmill testing site.
- Both large scale and small scale fisheries.
- Forestry.
- Tourism.
- Second homes.

Even the region is rural, the interaction with major cities not only in Denmark but also in Germany is obvious due to this region being among the most attractive places during summer.

**Classification in Urban Audit Ecotec 2007**


**GDP per inhabitant**

37,000 €
### Other relevant issues for the project

This region is already part of Nordregio’s research agenda, so accessing data, interviews etc. would be quite easy.

In relation to the aims of the case studies, this region will contribute by:

- Verify and confirm proposed typology and identified processes and challenges.
- Identify land use functions and undertake a “multifunctionality” assessment
- Identify factors and drivers (natural and socio-economic) of land use changes and land use dynamics in detail in different types of areas;
- Give answer about mechanisms and trends (processes) of land use changes at local scale;

Identify challenges in those areas and defining policy recommendations to cope with those challenges on the basis of stakeholders opinion;

<table>
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<th>Targeted contact organization</th>
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</thead>
<tbody>
<tr>
<td>NORDREGIO</td>
<td>Rasmus Ole Rasmussen</td>
</tr>
</tbody>
</table>
Jeleniogórski

<table>
<thead>
<tr>
<th>Location within Europe</th>
<th>North</th>
<th>West</th>
<th>East</th>
<th>Central</th>
<th>South</th>
</tr>
</thead>
<tbody>
<tr>
<td>50° 53’ 01” N; 15° 44’ 34” E</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size</th>
<th>Inhabitants</th>
<th>Density</th>
<th>Surface</th>
<th>Pop. growth rate (last 20 yr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>576 145</td>
<td>103.4</td>
<td>5 571 km²</td>
<td><strong>Average -3.3 ‰ per year</strong></td>
</tr>
</tbody>
</table>

Qualitative description of Regional context

Regions relatively rare inhabited (average in Poland 122.1 inhabitants per km²) and with decreasing number of inhabitants, in region in 2009 domestic migration rate -1.7 ‰, natural movement rate -1.6 ‰). Urban rate relatively high in comparison to Polish conditions (jeleniogórskie 62.5 %, Poland 61%), without big cities but with many small towns. The biggest is Jelenia Góra (84.5 thous. inhab.). Share of inhabitants in postproductive age relatively low (jeleniogórski 16.2%, Poland 16.5 %). High share of unemployment (jeleniogórski 17.5 %, Poland 11.9 %). High share of forests in land use structure (jeleniogórski 39.3 %, Poland 29.3 %), and low share of arable lands (jeleniogórski 32.5 %, Poland 44.3 %). GDP per capita relatively low, poorest region in dolnoslaskie voivodeship, only 71.5 % of the average value in voivodeship, 77.7 % of Polish average.

Insert map

**Specific type of territory**

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
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<td>Urban-rural-open space</td>
<td>Coastal</td>
</tr>
<tr>
<td>Other (specify)</td>
<td>Boundaries Poland-Czech-Germany</td>
<td></td>
</tr>
</tbody>
</table>

**Description**

- High level of forest
- Very diverse landscape
- Valuable natural features and significant geo- and biodiversity
- Dense, well-developed settlement network, many small towns
- Development of service, residential and commercial functions
- High spatial mobility of population
- Relatively high number of post-socialist factories
- Multifunctionality of most rural areas
- Agritourism upland/mountain areas
- Concentration of commerce and services around certain border crossings
- Dense road system
- Outstanding natural and cultural features plus attractive landscape as foundation for further development of tourism
- Special conditions for health and spa-based tourism
- Increased interest in buying land and second homes
- Functional diversification of borderland area

<table>
<thead>
<tr>
<th>Level of prosperity</th>
<th>Classification in Urban Audit Ecotec 2007³</th>
<th>GDP per inhabitant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other relevant issues for the project</td>
<td>Multifunctional region, well recognized by us, we have some research experience from this region.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Targeted contact organization for involvement</th>
<th>Targeted contact</th>
<th>Jerzy Banski</th>
</tr>
</thead>
</table>

Zielonogórski

Location within Europe
52° 56’ 11” N; 15° 30’ 52” E (zielonogórski)

<table>
<thead>
<tr>
<th>Location</th>
<th>North</th>
<th>West</th>
<th>East</th>
<th>Central</th>
<th>South</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

Size

<table>
<thead>
<tr>
<th>Inhabitants</th>
<th>Density</th>
<th>Surface</th>
<th>Pop. growth rate (last 20 yr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>627 277</td>
<td>79.7</td>
<td>7 875 km²</td>
<td>Average -0.5 ‰ per year</td>
</tr>
</tbody>
</table>

Qualitative description of Regional context
Region relatively rare inhabited (average in Poland 122,1 inhabitants per km²) and with decreasing number of inhabitants. Urban rate relatively high in comparison to Polish conditions (zielonogórskie 62.8 % Poland 61%), without big cities but with many small towns. The biggest are Zielona Góra (117.5 thous. inhab.) Share of inhabitants in postproductive age relatively low (zielonogórski 15%, Poland 16.5 %). High share of unemployment (zielonogórski 16.9 %, Poland 11.9 %). High share of forests in land use structure (zielonogórski 50.5 %, Poland 29.3 %), and low share of arable lands (zielonogórski 30.6 %, Poland 44.3 %). GDP per capita relatively low.

Insert map

Specific type of territory

<table>
<thead>
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</thead>
<tbody>
<tr>
<td>Outermost</td>
<td>Urban-rural-open space</td>
<td>Coastal</td>
</tr>
</tbody>
</table>

Other (specify) | Peripheral,

Description
- High level of forest cover and abundance of surface waters,
- Clean state of most environmental components (other than waters),
- Valuable natural features and significant geo- and biodiversity,
- Greater share of population of pre-productive age,
- Development of higher education in regional centres,
- Multifunctionality of most rural areas,
- Potential of productive agricultural space to generate organic food,
- Agrarian structure favouring enlargement of farms,
- In socialist period domination of state farms,
- Relatively heavy border traffic and growing German demand for Polish services,
- Local concentration of commerce and services around certain border crossings (along main arteries),
- Functional diversification of borderland area,
- Taking on of joint actions in the name of development by the German side.
<table>
<thead>
<tr>
<th><strong>Level of prosperity</strong></th>
<th>Classification in Urban Audit Ecotec 2007*</th>
<th><strong>GDP per inhabitant</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Other relevant issues for the project</td>
<td></td>
<td><strong>6,809 €</strong></td>
</tr>
<tr>
<td><strong>Targeted contact organization for involvement</strong></td>
<td>IGSO</td>
<td><strong>Targeted contact</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Jerzy Banski</strong></td>
</tr>
</tbody>
</table>

---

### Groot Amsterdam

<table>
<thead>
<tr>
<th>Location within Europe</th>
<th>North</th>
<th>West</th>
<th>East</th>
<th>Central</th>
<th>South</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4°951; 52°516</td>
<td>4°552; 52°227</td>
<td>5°137; 52°462</td>
<td>4°897; 52°395</td>
<td>4°735; 52°208</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size</th>
<th>Inhabitants</th>
<th>Density</th>
<th>Surface</th>
<th>Pop. growth rate (last 20 yr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1,235,514</td>
<td>1563 hab/km²</td>
<td>790.32k m²</td>
<td>1990-2009: 161,167</td>
</tr>
</tbody>
</table>

#### Qualitative description of Regional context

The case study area “Groot Amsterdam” (NUTS3) is 790 km² and located in the province of Noord-Holland. The NUTS3 region (NL326) consists of 15 municipalities. The centre is Amsterdam the capital of the Netherlands. In the southwest the international airport Schiphol is located with cities like Amstelveen, Hoofddorp and Nieuw-Vennep. In between these cities you find arable land. The northwestern part consist mainly of pastures with some places like Purmerend and Edam-Volendam.

#### Specific type of territory

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
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<td>Urban-rural-open space</td>
<td>Coastal</td>
</tr>
</tbody>
</table>

#### Description

Twenty nine different types of land use exist in the national detailed land use map of 2008 (LGN6). The main land uses in the NUTS3 region “Groot Amsterdam” are presented in the Table.

In between 2004 and 2008 in the NUTS region only 5.9 km² of land use changed between these main classes.

Some socio-economic indicators for the NUTS3 region:
GDP per capita 52,857 Euro (2007), labour input of employed persons (1000 full time eq. jobs) 696.4, housing stock in absolute figures for dwellings, recreation houses, capacity recreational buildings are respectively 592,711; 290 and 16,012. And the following table presents the regional accounts.
Regional accounts; production and generation of income by industry

<table>
<thead>
<tr>
<th>SIC '93</th>
<th>Output (basic prices)</th>
<th>Intermediate Consum.</th>
<th>Gross value added</th>
<th>Compensa of employee</th>
<th>Taxes not produc-relate</th>
<th>Subsidies, not produc-relate</th>
<th>Gross operating surplus</th>
<th>Labour input of employed persons</th>
</tr>
</thead>
<tbody>
<tr>
<td>Period</td>
<td>mln euro</td>
<td>mln euro</td>
<td>mln euro</td>
<td>mln euro</td>
<td>mln euro</td>
<td>mln euro</td>
<td>mln euro</td>
<td>1000fte's</td>
</tr>
<tr>
<td>Total economic activities</td>
<td>2007</td>
<td>12366</td>
<td>9665</td>
<td>13571</td>
<td>56336</td>
<td>7942</td>
<td>437</td>
<td>23273</td>
</tr>
<tr>
<td>A+B Agriculture, hunting, forestry, fishing</td>
<td>2007</td>
<td>779</td>
<td>377</td>
<td>402</td>
<td>140</td>
<td>8</td>
<td>8</td>
<td>262</td>
</tr>
<tr>
<td>C-K Commercial services</td>
<td>2007</td>
<td>1994</td>
<td>1380</td>
<td>6139</td>
<td>3127</td>
<td>39</td>
<td>79</td>
<td>3051</td>
</tr>
<tr>
<td>L-P Public administration, social work</td>
<td>2007</td>
<td>8552</td>
<td>4545</td>
<td>4006</td>
<td>2263</td>
<td>907</td>
<td>212</td>
<td>17133</td>
</tr>
</tbody>
</table>

Main Land use Area

- agriculture 360.4
- greenhouses 8.2
- orchards 1.6
- forest 13.2
- water 84.4
- urban 256.2
- infrastructure 34.9
- nature 31.4
- total 790.3

At least per municipality information is available on population, education, housing, income-social security, infrastructure and mobility, criminality

Level of prosperity

<table>
<thead>
<tr>
<th>Classification in Urban Audit Ecotec 2007</th>
<th>GDP per inhabitant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Knowledge hub defined as key players in the global economy, positioned above the national urban hierarchy and in the forefront of international industry, business and financial services based on high levels of talent and well-connected to the world.</td>
<td>GDP /capita EU27 = 100 : 190 GDP /capita country = 100 : 143</td>
</tr>
</tbody>
</table>

Other relevant issues for the project

- detailed spatial land cover/use information available at 25*25m grid level
- national statistics at municipality level from national office of statistics (CBS)
- geographical information on agricultural farms (GIAB)
- farmland prices

Targeted contact organization for involvement

<table>
<thead>
<tr>
<th>ALTERRA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Province of Noord-Holland Municipalities</td>
</tr>
</tbody>
</table>

Targeted contact

Gerard Hazeu

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### Eurocity Basque Bayonne- San Sebastián

<table>
<thead>
<tr>
<th>Location within Europe</th>
<th>North</th>
<th>West</th>
<th>East</th>
<th>Central</th>
<th>South</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bayonne</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>43° 28’ 39.3162” N</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1° 33’ 34.9734” E</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>San Sebastien</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>43° 19’ 1.866” N</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>1° 59’ 58.2432” E</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Size</th>
<th>Inhabitants</th>
<th>Density</th>
<th>Surface</th>
<th>Pop. growth rate (last 20 yr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>650.000</td>
<td>about 140/km²</td>
<td>800 km²</td>
<td>unknown</td>
</tr>
</tbody>
</table>

### Qualitative description of Regional context

The Basque Eurocity of Bayonne-San Sebastián is located on both sides of the dividing line that was historically formed by the Bidasoa River. "The Bayonne-San Sebastián Basque Eurocity" straddles the French-Spanish border on the Atlantic side of the Pyrenees, extending along the 50 km urban corridor that separates Bayonne and San Sebastián. It is the natural access route between the Iberian Peninsula and Western and Central Europe..."

- At the heart of the Atlantic Arc between Bilbao and Bordeaux.
- At the western end of the French-Spanish border.
- On the Atlantic façade of the Pyrenees.

Both territories share a common Basque cultural heritage and throughout history have lived together through periods governed by mutual goodwill and the desire to promote reciprocal needs and interests, and, as has occurred in other border areas, also through periods of confrontation and estrangement. In effect, the special circumstances of the twentieth century made the Franco-Spanish border very strong.

### Description

The desire to live without frontiers and to co-operate across borders, means that sharing differences and diversity produces a new metropolitan reality that adds a new element to the features defining the identity that each of us already has. New squares, avenues, universities, beaches, promenades... will spring up out of the sum of those that already exist.

Here are just two examples: the Eurocity will have a large square, the Main...
Square of the Eurocity, which will be the sum of the squares that already exist in our cities today. Our University won’t have a single campus, but the university campus of the Eurocity will be the sum of the campuses that we already have. The same will happen with the beach, the coast, culture...

<table>
<thead>
<tr>
<th>Level of prosperity</th>
<th>Classification in Urban Audit Ecotec 2007</th>
<th>GDP per inhabitant</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Classification in Urban Audit Ecotec 2007</td>
<td>25.000 €</td>
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</table>

<table>
<thead>
<tr>
<th>Other relevant issues for the project</th>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Targeted contact organization for involvement</th>
<th>Targeted contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>TECNALIA</td>
<td>Efrén Feliú</td>
</tr>
<tr>
<td>“Cross-Border Agency for the development of the Basque Eurocity Bayonne Saint Sebastien”</td>
<td>Markel OLANO</td>
</tr>
</tbody>
</table>

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The ESPON 2013 Programme is part-financed by the European Regional Development Fund, the EU Member States and the Partner States Iceland, Liechtenstein, Norway and Switzerland. It shall support policy development in relation to the aim of territorial cohesion and a harmonious development of the European territory.