

ESPON BSR-TeMo

Territorial Monitoring for the Baltic Sea Region

Scientific Platform and Tools Project 2013/3/9

Draft Final Report | Version 30/06/2013

Part C | Scientific Report

Volume C8 | Technical Specification

This report presents the draft final results of a "Scientific Platform and Tools" Project 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.

© ESPON & Nordregio, 2013.

Printing, reproduction or quotation is authorised provided the source is acknowledged and a copy is forwarded to the ESPON Coordination Unit in Luxembourg.

8. Technical Specification

The **Technical Specification** is a technical document targeted to **GIS and analytical experts**. It will include **definitions**, a **metadata** section, and information on the **technical implementation** of the indicator in the overall monitoring system.

It will have the character of a collection of **tables** rather than a text, with one table per indicator.

More specifically it will include:

- Domain set up
- Headline indicators
- Indicator descriptions
- Statistical definitions of variable

- Indicator metadata (in future/current ESPON template format) and indicator information:
 - Name of dataset/indicator
 - Date of latest update for dataset
 - Point of contact for metadata
 - Code of variable
 - Name of variable
 - Units for variable
 - Methodology
 - Temporal extent (start/end year for collected data)
 - Lineage, including:
 - Provider of data
 - Date of data collection
 - URL of data base from where data was downloaded
 - Methodology (is raw data has been modified)
 - Reliability, including:
 - Estimation information
 - Quality:
 - Constraints, including:
 - Public data access
 - Public metadata access
 - Copyrights
 - Derived indicators and maps, such as standardized indices, difference maps (absolute and relative differences), discontinuity maps etc.
 - Derived statistical measures and charts (minimum, maximum, average, standard deviation, coefficient of variation, GINI coefficient, beta and sigma convergence, time series analyses)
 - Political target values and thresholds (if available)
 - Inclusion in applications

- Methods for calculations of currency based indicators
- Methodology for compiling data for several national sources with a view on data gathering for Russia and Belarus

- Implementation
- Updating mechanisms and recommendations of frequency of indicator updates

as well as giving hints in:

- how to redo the applications
- how to add new indicators
- how to add applications
- how to update the GIS database and GIS environment

of the overall monitoring system.

The main objective of this specification is to enable users to update, add, or revise indicators and applications to the monitoring system, acknowledging that in future new challenges may arise to which the monitoring system should respond to adequately.

The project phase of the complementation of the Technical Specifications is scheduled for **the autumn 2013**, and the document will thus be delivered with the Final Report.

www.espon.eu

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.

ISBN