TEMPLATE

Output factsheet: Tools

Version 1

Project index number and acronym	CE897 MaGICLandscapes
Lead partner	Technische Universität Dresden
Output number and title	O.T1.2 Manual of Transnational GI Assessment – Decision Support Tool
Responsible partner (PP name and number)	Leibniz Institute of Ecological Urban and Regional Development PP5
Project website	https://www.interreg-central.eu/Content.Node/MaGICLandscapes.html
Delivery date	

Summary description of the key features of the tool (developed and/or implemented)

This manual developed in Activity A.T1.2 provides guidance in assessing the structure and types of GI at the transnational level. It demonstrates the process and methods of generating a transnational map of GI. The manual contains an evaluation of available data, for example data provided by the European Copernicus programme, and their suitability for assessing GI in Central Europe. It provides a method for ground-truthing and shows results of the individual ground-truthing carried out by the MaGICLandscapes regional experts in their respective case study areas. Furthermore, a coordinated GI classification scheme is presented. As a major result of this process the manual provides a GI map on transnational scale for whole Central Europe as well as for all case study areas. Due to some shortcomings regarding transnational data (spatial resolution, accuracy, classified elements) the manual also demonstrates how to refine maps to national/regional level using available detailed data (e.g. biotope maps) and provides a collection of refinement examples from the nine case study areas of the MaGICLandscapes project.

NUTS region(s) where the tool has been developed and/or implemented (relevant NUTS level)

The manual has been developed for the CE Programme area or the following NUTS regions of Level 0:
AT Austria, CZ Czech Republic, DE Germany, HR Croatia, HU Hungary, IT Italy, PL Poland, SI Slovenia, SK Slovakia

It contains examples for the following Level 3 regions:
AT124 Waldviertel, AT125 Weinviertel, CZ042 Ústecký kraj, CZ051 Liberecký kraj, CZ052 Královéhradecký kraj, CZ064 Jihomoravský kraj, DED2D Görlitz, DED53 Nordsachsen, DEE05 Anhalt-Bitterfeld, DEE0E Wittenberg, ITC11 Torino, ITC12 Vercelli, ITC18 Alessandria, ITC48 Pavia, PL515 Jeleniogórski

It is meant to be implemented in the whole CE Programme area.

Expected impact and benefits of the tool for the concerned territories and target groups

The manual is designed to be a tool that guides the reader through the process of undertaking a large-scale Green Infrastructure (GI) assessment at transnational level in Central Europe (CE). It will encourage other institutions for similar realisation and provide decision support to them using examples from the MaGICLandscapes project. The developed mapping process presented by this manual can be considered as a CE-wide applicable approach for the mapping of GI and its constituent elements. It can improve capacities for institutes for conducting GI assessments and monitoring across borders.
With the examples demonstrating how to refine maps to national/regional level the manual also provides a useful and informative tool for regional stakeholders of different target groups.
GI maps produced following the manual can be a very helpful basis for further analysis like on the provision of ecosystem services, biotope connectivity and functionality etc.

Sustainability of the tool and its transferability to other territories and stakeholders

The manual will be available to a wide public, to use for other GI mappings and planning. The mapping methodology provided is applicable to different levels/scales depending on the availability of suitable data for this specific scale. This is especially true for other regions within Europe since the datasets used are available for all European countries, similar data is also available beyond. Thus, by design the data and methods mentioned in this manual for transnational GI mapping are transferable to a large extent. With basic knowledge on GIS-software different stakeholders will be able to use this tool and to apply the methods described.

Lessons learned from the development/implementation process of the tool and added value of transnational cooperation

Manifold European datasets are available, but only very few are suitable for a transnational GI mapping. Due to its full coverage and a low amount of misclassifications the CORINE land cover dataset was proved to be the most appropriate dataset. A major added value of the transnational cooperation in this process was the possibility to test the methods together with regional experts of different countries under different circumstances and under consideration of specific biotopes/land use types not common to all countries. The CE-wide coordinated GI classification scheme would not have been possible without transnational cooperation.

References to relevant deliverables and web-links
If applicable, pictures or images to be provided as annex

Deliverable D.T1.2.1 “Transnational remote-sensing GI assessment”

Deliverable D.T1.2.2 “Feed-back report on ground-truthing/calibration in partner case study areas (issues, success etc.)”

Deliverable D.T1.2.3 “Deliverable title Workshop to discuss results of ground-truthing and finalise structure of assessment”

Deliverable D.T1.2.4 “Deliverable title Digital Map of GI at Transnational scale for all regions”

Deliverable D.T1.2.5 “Manual of Transnational GI Assessment - Decision Support Tool (In English)”