
PILOT PROJECT DESCRIPTION

Project Title: Indicators for planning new developments with less carbon footprint

Location: Vila Real. Portugal

PARTNERS INVOLVED: Eixo Atlántico do Noroeste Peninsular

1. What are the objectives of the Project?

- Design of one synthetic territorial indicator from several basic indicators for local planning design related to good practices in carbon footprint reduction
- Application of the indicators to the place studied and other locations in partners' countries

2. They are described as:

directly linked to reduction of carbon footprint

x associated

3. What are the obtained results?

- A methodology for the design of territorial indicators
- A proved indicator for testing the planning of new developments in terms of carbon footprint.
- Map of suitable urban growth places related to carbon footprint in Vila Real (Portugal)
- Test of this indicator in at least a second territory. Preferably in a different country. Probably in Vilagarcia de Arousa (Galicia – Spain). It would be interested its test also in an Irish location.

4. Project description. The main tasks of the project are described as follows:

- Definition of methodology & territorial variables to be used: mobility, public transportation, existing infrastructure, facilities location, density of population, land use (productive lands: forest, agriculture), topography, sensitive areas (erosion, flood surfaces, natural value lands), sun insolation, etc.
- Collection of data and cartographic information
- Design of the planning indicator
- Application of the indicator to Vila Real case
- Changes required
- Application of the indicator to a second location (Vilagarcia – Spain).

5. Who was the target population of the project?

Please describe which group/persons are mainly effected by the project

Local planning authorities.

Regional planning authorities in charge of supervision.

Planners and urban designers

Population in general

6. Where is the project implemented and which area will be affected?

Please describe the area where the project has been implemented and where the target population is located. If possible, please attach a map.

The municipality of Vila Real in Northern Portugal

Other municipality in another country Vilagarcia in Spain or might be other place in Ireland.

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7. How much are the investment costs of the project?

- Acquisition of cartographic information and field data acquisition – 15 000 €
- GIS Model development – 10 000 €
- Research fellow for model implementation and software tools development– 12 000 €

8. Which information (e.g. technical analysis on requirements) is used, which studies for the preparation of the project are carried or which data are already available?

Please, indicate the title and describe shortly the content, the date of completion and the author(s).

- Urban Density and Infrastructure Costs, Master Thesis in Civil Engineering at UTAD, by Filipe Dias; Supervisors: Luís Ramos and Ricardo Bento (2010)
- Spatial Analysis in GIS environment : an approach planning, Master Thesis at Geographic Information Systems at UTAD, by Eunice Badim ; Supervisors: Luís Ramos and Ricardo Bento (2010).
- Urban Sprawl in Euroregion Galiza / North of Portugal: an territorial approach, Ecological Urban Agency of Eixo Atlântico, by Paulo Gonçalves, Emilio Fernandez and Luís Ramos (2010)
- Municipal Spatial Plan of Vila Real, Câmara Municipal de Vila Real (2010)

9. To what extent is your pilot action transferrable to other regions?

- High intensity of transferability. After the pilot action other partners could easily implement it in their regions, even without any indication from the lead partner of the pilot action.
- Medium intensity of transferability. After the pilot action, other partners/regions could implement it in their regions but surely they will need some help from the lead partner of the pilot action.
- Low intensity of transferability. Only with very technical support this pilot action could be replicated in other region.

10. Please, describe more in deep your transferables and the methodology for obtaining/presenting this information
