

# Spatial Planning Indicators

A core set proposal for a waterfront management - the Portuguese case

Rui Miguel Papudo - *Geographic Portuguese Institute (GPI)* – rpapudo@igeo.pt

Technical Assistance: Eduarda M. Costa – *Geography Department of Lisbon University* and António A. Silva - *GPI*

## Abstract:

The constant human pressure increase turns on into one of the most important elements to consider for an efficient and sustainable territory management.

To do that, the geographic information technicians require some tools to provide a scientific knowledge such as spatial planning indicators. Those have the true capacity to simplify the complex and achieve information for decision makers bring to play.

The Torres Vedras council is one of the six Lisbon coastal areas district councils and was choose for this poster because, right now, is Master Council Plan is under public discussion.

## Goals:

Establish a first core set indicators sample and a methodological proposal to apply in spatial planning issues, like waterfront management.

## Methodology:

Bibliographic and indicators research and a GIS tools applicant.

## Key Words:

Spatial planning, territory, Spatial Planning indicators.

## Part One

### Territory Concept

Territory is all human activities physical geographic envelopment.

### Spatial Planning Indicators Concept

Scientific tools who allows all geographic technicians to establish, in a clear and synthetic way, a territorial space sample and helping them to achieve a simplified territorial reality.

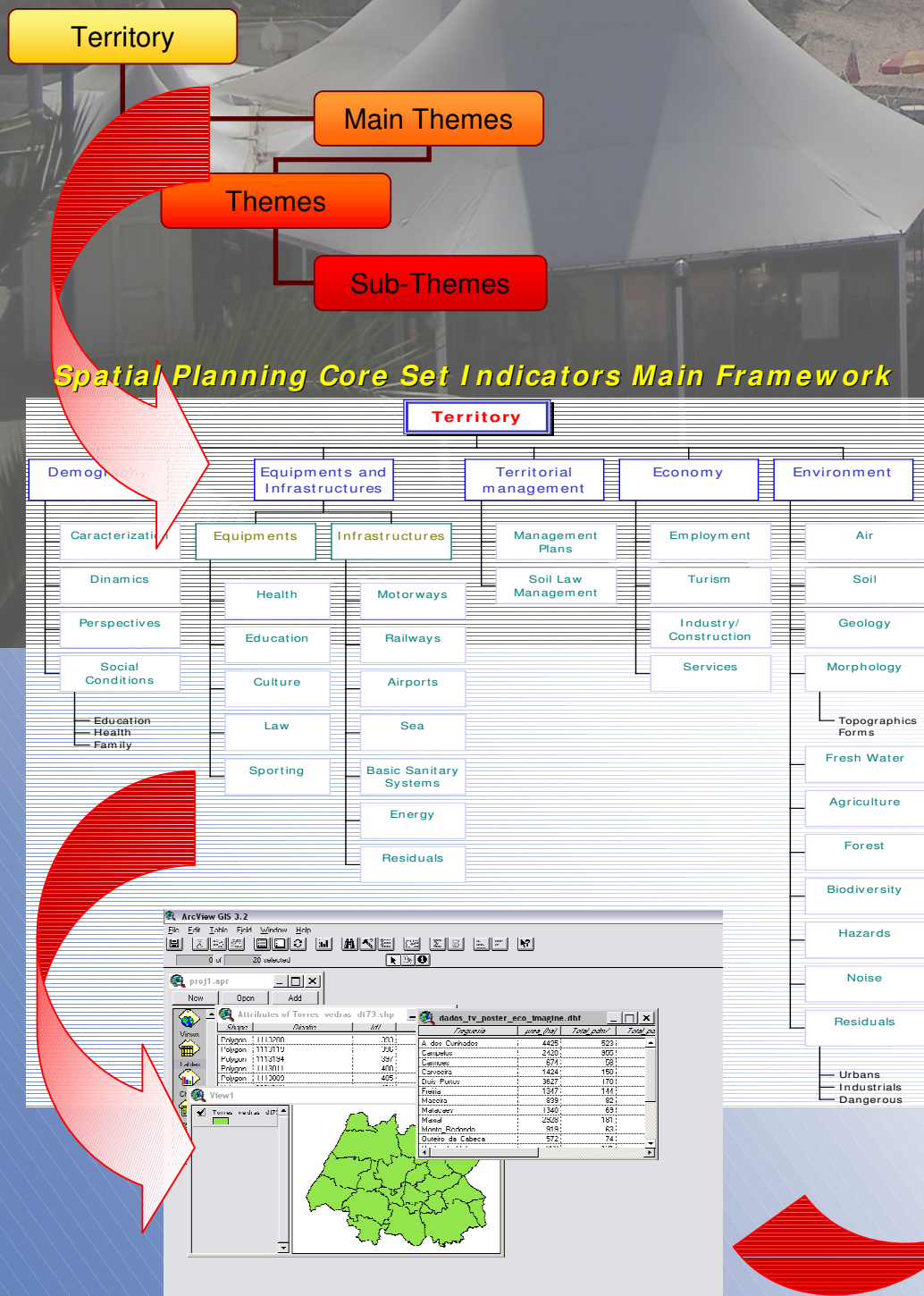
### Spatial Planning Concept

Spatial planning it means identify, distribute, organize and regulate all different kinds of human activities in a specific geographic area. To do that, the geographic information technicians need to establish some criteria and priorities.

So, spatial planning is one simplified geographic space projection containing all economics, social, cultural and environmental politics. Her effective application establish one territorial definition and his system also.

## Part Two

### Indicators Framework



## Conclusions

To establish a correct and a good territorial management are necessary some tools for a careful and transparent land use analyze. Spatial planning indicators are one of them.

For this brief try, the new Torres Vedras Master Council Plan increases the urban pressure at least, two of his costal areas – Silveira and Maceira.

This increase doesn't means all Torres Vedras council coastal areas are under a dangerous land use management but, to avoid some future territorial management problems it will be necessary more spatial planning information. This simple exercise allow a new reality model establishment and, maybe, to put in perspective a sustainable management for this specific geographic area.

Urban and Potential Urban Areas Preview by 1995 Torres Vedras Master Council Plan

Urban and Potential Urban Areas Preview by 2003 Torres Vedras Master Council Plan

