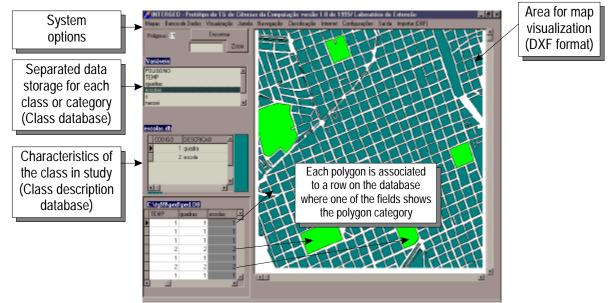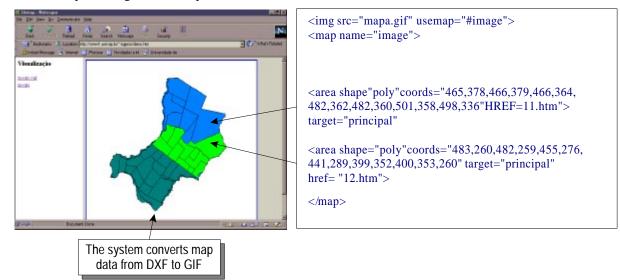# Creation and Distribution of Georelated Databases on the Internet

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System options

Separated data storage for each class or category (Class database)

Characteristics of the class in study (Class description database)

Area for map visualization (DXF format)

Each polygon is associated to a row on the database where one of the fields shows the polygon category

The image above shows an screen of **Intergeo** - an off-line system that is able to associate DXF vector-coordinate files with data bases, which can be used for geographical database search and visualization and for creation of files that allow the publishing of these maps on the Internet.


```
<img src="mapa.gif" usemap="#image">
<map name="image">


<area shape"poly"coords="465,378,466,379,466,364,
482,362,482,360,501,358,498,336"HREF=11.htm">
target="principal"

<area shape="poly"coords="483,260,482,259,455,276,
441,289,399,352,400,353,260" target="principal"
href= "12.htm">

</map>
```

The system converts map data from DXF to GIF

The system is able to convert the data from the specialized formats to generic formats that can be put on the Web. The map data is converted to a GIF file that is associated with a HTML file with the Map tag, which allows the image to be "clickable". When the user selects a polygon on the image, the browser will show another HTML document with information about the data related to that polygon.

The system allows the user to zoom in and out of the study area by creating automatically and beforehand some subregions on the area of study. This allows the distribution of the study results in the Internet in pure HTML and GIF files, without the need for special server functions like CGI programs. The results can be used even for off-line browsing.

The main advantage is the portability of the result data, and the main disadvantage is that the associated resulting files can be large for very large projects.

A simple demo can be seen on the Internet at http://www1.univap.br/~rogerio/demo.htm .