
6. Developing of the spatial data bases of the metropolitan area of Granada and Madrid region

Currently a very rich database is available for the two areas studied. All the information is in GIS format, with its corresponding metadata, and is available for all the Project members on a dedicated ftp created in a UAH server. As far as possible, this database has been compiled homogeneously for the points in time under study as agreed by all the subgroups, namely, 1978 (with population information for 1981); 1990; 2000 and 2005, and for the two selected areas under study.

The spatial information available proceeds from different national, regional and municipal bodies and institutions (National Geographic Institute, Cartographic Service, Department of Statistics, various departments of the Madrid regional government, the deputation of Granada, the Andalusian Cartographic service, etc.). But some information has been generated from time to time by our own research team.

The database currently boasts more than 100 spatial covers stored in some of the most common GIS formats (chiefly, ESRI shapefiles), as well as generous thematic information related to some of those covers (basically, socio-demographic information from such different statistical sources as national and regional institutes of statistics). This information is organized into the following thematic blocks:

1. **Cartographic and administrative base** with information about various administrative delimitations (municipality, census section, urban sector, street-plan).
2. **Territorial and environmental information:** protected natural spaces, land uses, geotechnics, lithology, hydrography, topography, etc.).
3. **Land qualification and classification data.**
4. **Equipment and infrastructures:** energy storage and distribution (petrol stations, gas pipelines, oil pipelines), waste treatment, health and education centres, transport and communication, commercial areas, etc.
5. **Population,** per capita income etc.
6. **Historical and artistic heritage.**