Finally, a bibliographic compilation was carried out in the libraries of the University of Costa Rica (UCR), the Tropical Agronomical Centre of Research and Education (CATIE) and the National Institute of Statistics and Census (INEC), and visiting the Costa Rican Institute of Electricity and Telecommunications (ICE) and the National Emergency Commission (CNE).

4.2.2 Data management and processing

From all the data described above, several maps were generated, applying a series of GIS tools using the software ILWIS 3.0, as it is shown in Figure 4.3 and explained below. The resulting maps and their analysis are presented in Section 4.3.

First, during the different field surveys (see Section 4.2.1), a unique code was assigned to every single parcel within the study area and an attribute table was made with all the information collected. At the same time, the elements were spatially located on a colour aerial orthophoto at scale 1:5,000, using coded points. Obviously, a code consistency exists between the attribute table and the