



Urban Morphological Zones for Spain:

Urban indicators from an Object Oriented Land Cover data base and a population grid

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After building a 1 Km² population density grid for Spain we use an object oriented land cover data set (SIOSE) to construct Urban Morphological Zones (UMZ) for Spain following a similar approach to the one developed by the European Environment Agency (EEA), conveniently adapted to the structure of SIOSE. Population is assigned to each UMZ using a previously constructed population grid by the authors and given the information contained in SIOSE polygons urban indicators, such as green areas per inhabitant in each UMZ, can be calculated.

Given the resolution of SIOSE (1 Ha for urban areas), some of the UMZ are very small, these can be disregarded, using a given threshold, or kept for the analysis, opening up the possibility of defining Rural Morphological Zones. This approach can be considered as a complement to the urban/rural typologies currently implemented by European institutions (DG-Regio, Eurostat) or the OECD.