



---

## ABSTRACT

# Using the European Grid "ETRS89/LAEA\_PT\_1K" as the foundation for the new Portuguese Sampling Infrastructure

**Author: Ana SANTOS**

*Statistics Portugal, Portugal*

Keywords: Sampling, Buildings Register, National Dwellings Register, Grid, Spatial Data Infrastructure, INSPIRE, 2011 Census, GEOSTAT

Household surveys are, since 1979 based on a large sample of housing units, commonly referred to as "Master Sample" (MS). Each Master Sample has been selected after the completion of each Population and Housing Census and has been updated to a greater or lesser degree.

In 2011 Statistics Portugal built a national base comprising all the georeferenced buildings from the 2011 Population and Housing Census. This geographical base has been used to reference census data at point level and to create a National Dwellings Register (FNA).

This paper describes a new approach regarding Statistics Portugal Sampling Infrastructure with the use of the GeoStat 's 1Km2 Grid and georeferenced Census building points as the pillar for the design frame and sample methodology production process.