

Innovative geospatial tools integrated to the statistical process for the Economic Census in Colombia.

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Abstract

This contribution seeks to present a successful case in the use of techniques and geospatial information during the collection process of statistical information through the development of an operation for counting the economic units, performed within the scope of Colombia's forthcoming Economic Census.

During this field operation, DANE (Colombia's NSO) used geospatial tools, which guaranteed the adequate georeferencing of economic units, as well as the monitoring of the route of 1,102 urban areas and populated centres of the country.

Through the Integration of Statistical and Geospatial Information, DANE achieved an optimal development of the counting operation and was able to develop web and mobile technological tools for the assignment of tasks, gathering, field quality control and georeferenced monitoring.

These applications sought to carry out a geographic control of activities and a balance between workloads, validations and required reports.

In this way, this successful case is part of the constant search for integration of geospatial components into statistical processes and seeks to become a benchmark for strengthening collection and processing phases of statistical operations.