

Conference on Population Census, 2020 round and post: from traditions to modernism

2021 Census in Spain A general overview

Jorge L. Vega Valle

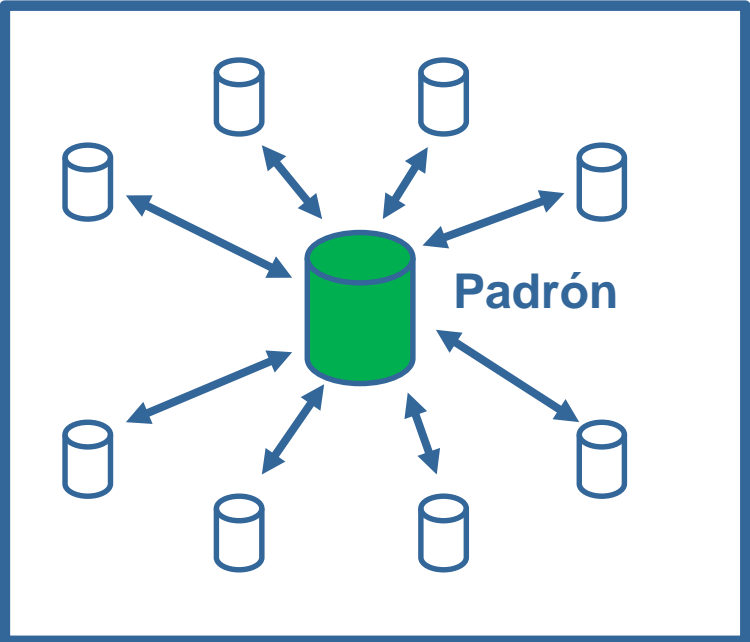
Subdirección General de Estadísticas Sociodemográficas (INE)

Bucarest, 8th and 9th April 2019

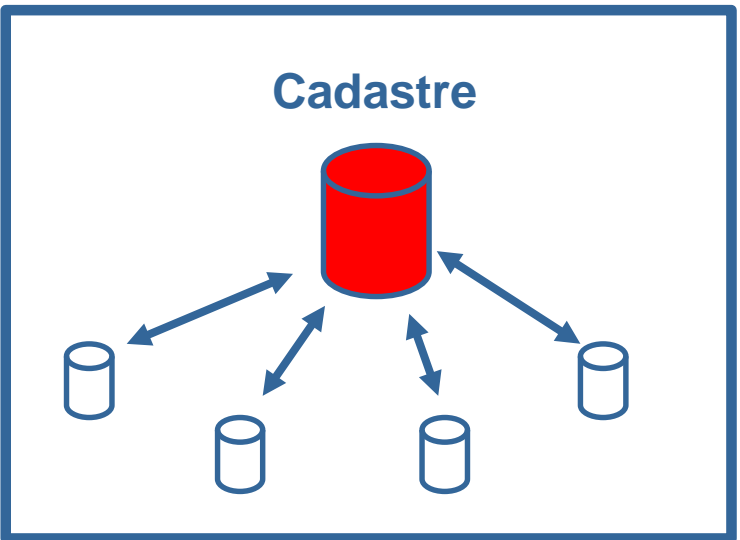





General idea



Population Census (47M file)
Pilot done in 2018



Housing Census (25M file)
Pilot to be finished in 2019



Survey (≈1%)





Population Census: Padron + registers

- Official list of residents in each one of the 8,124 municipalities in Spain
- Each municipality has its own register. But **INE integrates and coordinates the single national population register**
- No restriction for registering in Spain in terms of legal situation
- Few variables: Gender, date of birth, place of birth, nationality, educational attainment
- Backbone of the population file. Linked to different files.



How many people live?

- **Signs-of-life method**
 - ❖ Padrón basic element
 - ❖ Verification of births and deaths
 - ❖ Analysis of expiration date for foreigners
 - ❖ Signs of life in Tax-Agency or Social-Security
 - ❖ 12-month criterion

	2016-PCF	Padrón	Difference (PCF-Padrón)
TOTAL	46,581,681	46,557,008	24,673
Spanish	41,972,389	41,938,427	33,962
Foreigners	4,609,292	4,618,581	-9,289





Their characteristics

- All the compulsory population variables can be obtained from registers
- **Sources:**
 - ❖ Population Register
 - ❖ Tax Agency
 - ❖ Vital Statistics
 - ❖ Minister of Education
 - ❖ Unemployment Register
 - ❖ Social Security Registers
 - ❖ Register of Civil Servants
 - ❖ Foreigners Central Register
 - ❖ Police Database
 - ❖ Previous Censuses
 - ❖ ...





A new quality framework

- For each value of every variable, a **new one** indicating whether this value comes from direct sources or imputation (probabilistic, deterministic)
- Analysis by **columns**. Detect quality of sources in each variable
- Analysis by **rows**. Identify records with lower quality.





Housing Census

- **Cadastral** will be the main source of data
 - ❖ Unique identifier
 - ❖ Georeferenced
 - ❖ High quality of data
 - ❖ Certain census variables
- Still not completed...
 - ❖ Linkage with Population Register
- **Sources:**
 - ❖ Cadaster
 - ❖ Tax Agency
 - ❖ Population Register
 - ❖ Previous Censuses
 - ❖ ...





Other elements

- Inclusion of **new variables**
 - ❖ Individual variables: Property of vehicles, fertility, other owned dwellings...
 - ❖ Context variables: Average income, average electrical consumption...
- Ad-hoc **survey** ($\approx 1\%$)
 - Mobility
 - Second generation of migrants
 - Details of dwellings or buildings



- Traditional census (full field enumeration without using data from registers; includes the rolling census)
- Combined census (data from registers + field data collection)
- Register-based census (data from registers only)
- Census not scheduled



Spain will be among the register-based census countries in 2021

jorgeluis.vega.valle@ine.es

