

PTI+ Salud Global: WP3

FAIR Computational Epidemiology: FACE





Fondos de recuperación del programa NextGen EU

Total: 1M de euros.

Personal + Infraestructura

Start: July 2021

Researchers from four CSIC institutes

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Coordinators

Objective 4: Foster an open science approach following the FAIR principles, in line with EU and national scientific policies.

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- The diagram illustrates the architecture of the Digital CSIR platform. At the top center is a blue icon of a person. Below it is a light blue box labeled "Portal and visualization". To the left of the portal is a box labeled "Model Catalog" containing the Docker logo. Below the Model Catalog are icons for "Machine learning", "Agent based", "Meta-population", and "User defined". To the right of the portal is a box labeled "Compute Platform" containing the Hadoop YARN and Docker logos. Below the Compute Platform is a box labeled "FACE datalake" containing logos for Delta Lake, Corda, and Apache Spark. Below the FACE datalake is a box labeled "citizen science, databases, documents, GIS, etc." containing icons for a smartphone, a database cylinder, a document, and a satellite. At the top right of the diagram are logos for "figshare" and "DIGITAL CSIR". Arrows indicate the flow of data and model information between these components.

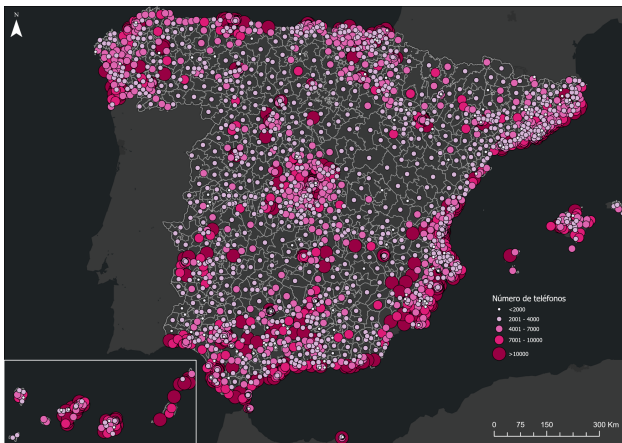
Modelos EPI, población sintética

1. INE DATA:

- Population of Spain (1 January 2021).
- Census 2011: Number of empty houses and population.

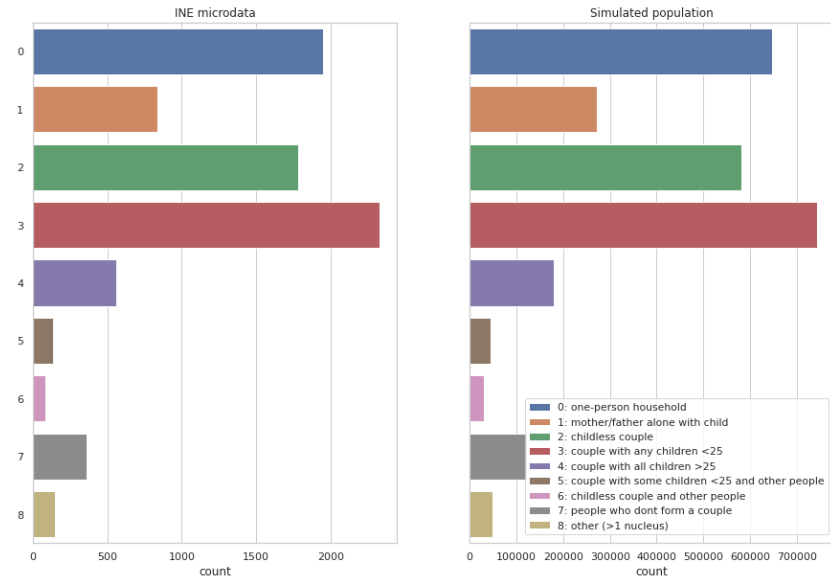
2. INE microdata (homes, people and EPA).

3. INSPIRE CADASTRAL (buildings).



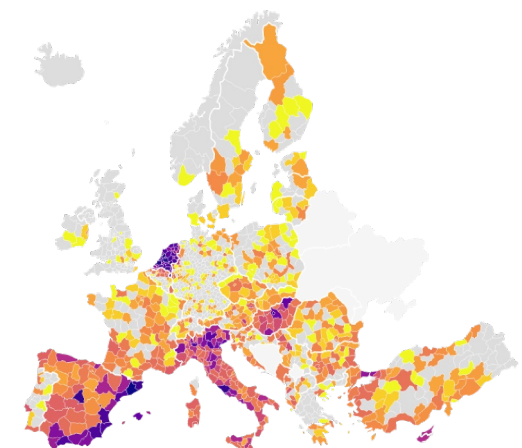
BUILDING \Rightarrow DWELLING
DWELLING \Rightarrow PEOPLE

Madrid - household_type



/disk/dataset/Other-species/richiardii-Coqui
/disk/dataset/Not-sure/not-best/a8acdec4-ed2
/disk/dataset/Probably-Culex-sp./best/8d18ea

1 50 5000





THANK YOU

for your attention