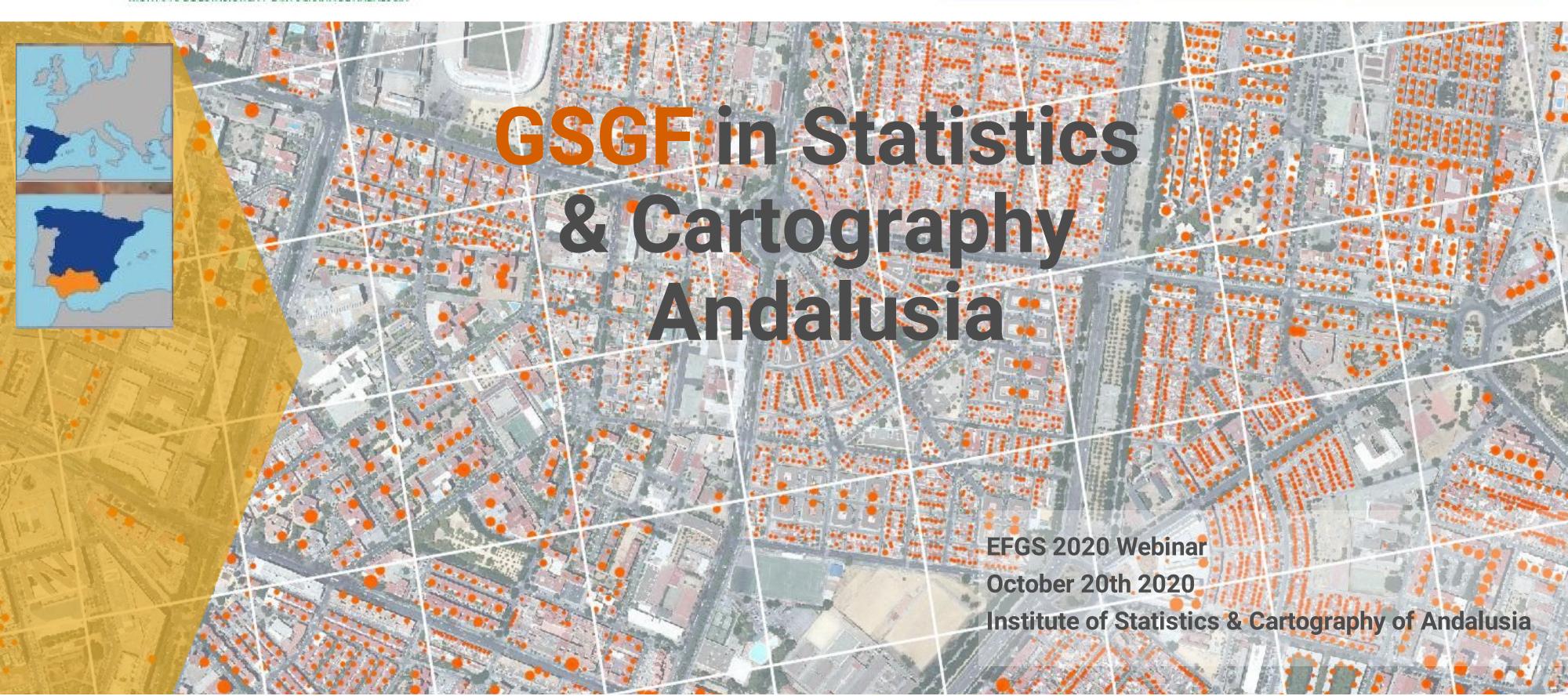


Junta de Andalucía

Consejería de Transformación Económica, Industria, Conocimiento y Universidades

INSTITUTO DE ESTADÍSTICA Y CARTOGRAFÍA DE ANDALUCÍA









00 OVERVIEW



ACCESSIBLE AND USABLE

STATISTICAL AND GEOSPATIAL INTEROPERABILITY

COMMON GEOGRAPHIES FOR DISSEMINATION OF STATISTICS

GEOCODED UNIT RECORD DATA IN A DATA MANAGEMENT ENVIRONMENT

USE OF FUNDAMENTAL GEOSPATIAL INFRASTRUCTURE AND GEOCODING

01 USE OF FUNDAMENTAL GEOSPATIAL INFRASTRUCTURE AND GEOCODING

The adoption of a common and consistent approach to place statistical unit of a dataset in time and space using fundamental geospatial infrastructure

High quality & Standarised location references & geocoding systems

Regional & National Laws

Multiannual Statistical and Cartographical Plan 2013-2020.

Standards & practices

Guidelines & training on Statistics, Cartography & georeferenced info

MANUAL DE BUENAS PRÁCTICAS

PARA LA NORMALIZACIÓN DE

FUENTES Y REGISTROS

ADMINISTRATIVOS DE LA JUNTA DE

ANDALUCÍA



GUÍA DE
GEOCODIFICACIÓN
DE FUENTES DE
INFORMACIÓN
ADMINISTRATIVA





USE OF FUNDAMENTAL GEOSPATIAL INFRASTRUCTURE AND GEOCODING

Street & building entrance register for Andalusia

Callejero Digital de Andalucía Unificado **Andalusia Consolidated Geo-referenced**

Street & Building entrance register



Fundamental Geospatial
Infrastructure in regional Law



Continous update on inhabited addresses & business locations



Consolidates available sources. Decentralized & collaborative updating & maintenance process









Acceso al callejero > Contacto

ejero Digital de Andalucía Unificado









USE OF FUNDAMENTAL GEOSPATIAL INFRASTRUCTURE AND GEOCODING

Street & building entrance register for Andalusia

Alphanumerical & spatial data sources

> Callejero Digital de Andalucía Unificado

Andalusia Consolidated Geo-referenced Street & Building entrance

register

id nucleo: intege

id_cp: intege

id agrup: intege

cod_agrup: varchar(50)

cod nucleo: varchar(50)

id_vial: integer ne via: varchar(10)

- nom_via: varchar(100) nom normalizado: varchar(100
- competencia: competencia
- - fecha_aceptacion_alta: date fecha_real_alta: date
- «PK» PK_vial(integer)
- «FK» FK vial tipo via(integer)

Alphanumerical information from GESTA. Complete Addresses register (door

entrance), consolidating info from

Population Register and Business &

Spatial information from Municipalities Street Maps, Cadastral sources, Andalusia

transport networks, Andalusian

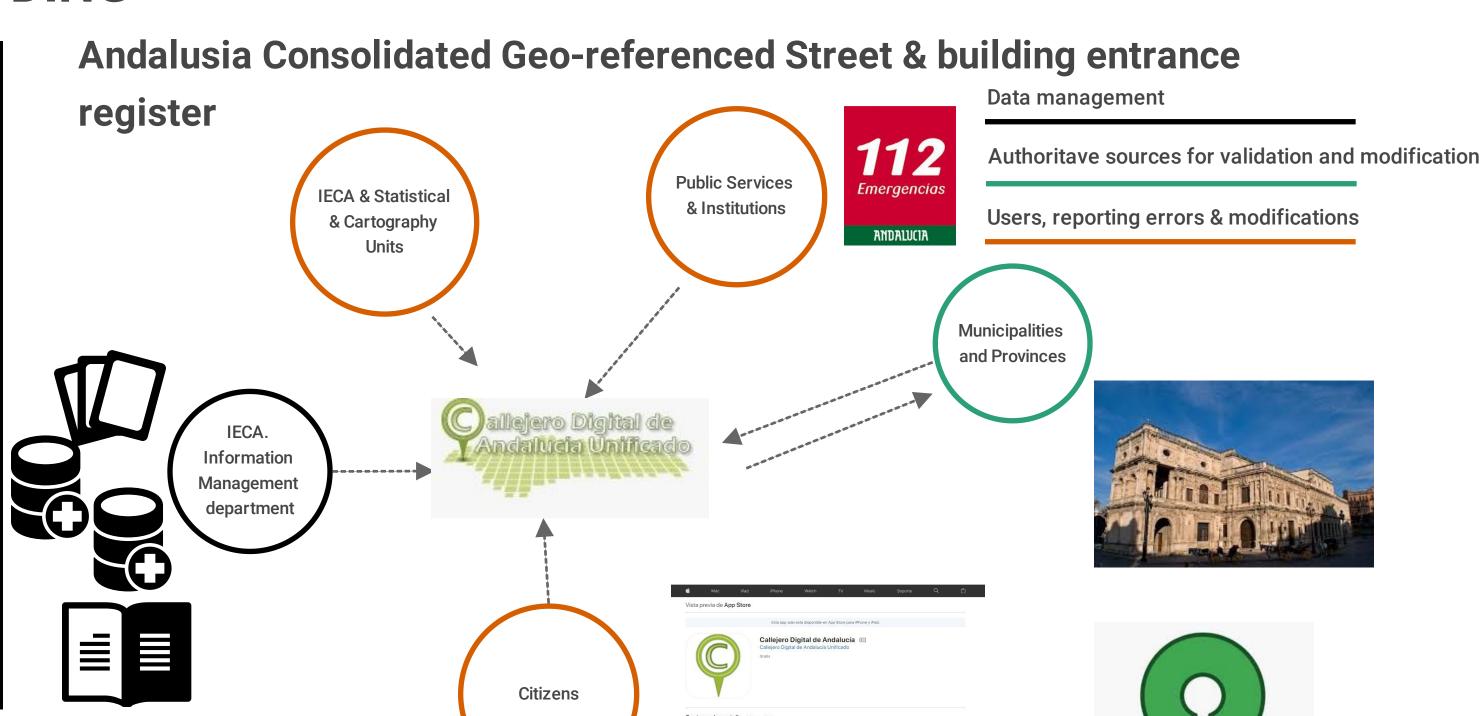
echa_aceptacion_alta: date kunique» UQ_vial_id_vial(integer) fecha real alta: date

01 USE OF FUNDAMENTAL GEOSPATIAL INFRASTRUCTURE AND GEOCODING

Street & building entrance register for Andalusia

Decentralized & Collaborative process

Callejero Digital de Andalucía Unificado



open source

O2 GEOCODED UNIT RECORD DATA IN A DATA MANAGEMENT ENVIRONMENT

Linking of statistical unit records to geographic reference

PROCESS & INFRASTRUCTURES

Guidelines & Tools

Geocoding admin info Guidelines ALink In-house/Open tool for data structuring and matching.



Registers systematically georeferenced

Population register, Business register and Regional Public Services register consistently geocoded and georeferenced against ACAR



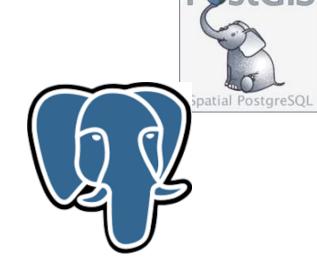
Identifier & Metadata

ID building entrance from ACAR + high precision point-geocode for Building entrance based on Inspire Data specification

Metadata on georcoding and geo-referencing sources, matching quality and time stamp







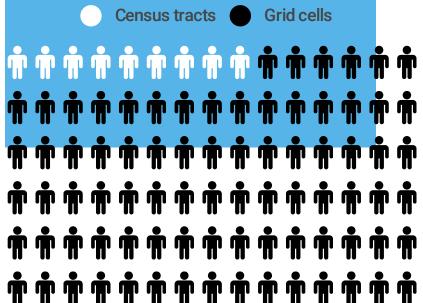


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O3 COMMON GEOGRAPHIES FOR DISSEMINATION OF STATISTICS

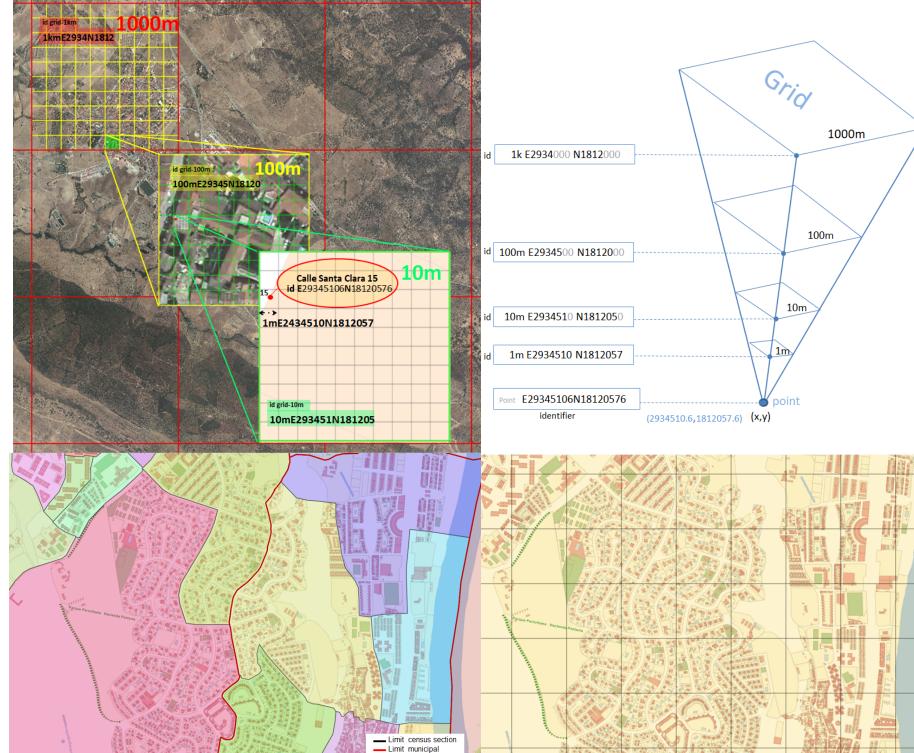
COMMON AND
AGREED SET OF
GEOGRAPHIES
FOR ANALYSIS,
STORAGE,
DISPLAY AND
MANAGEMENT

Andalusian population data 2018



GRID, ADMINISTRATIVE & OTHER BOUNDARIES IN ANDALUSIA

- Disseminetation Guidelines
- Grid System, 250x250 m maximum desaggregation preserving privacy & confidentiality
- Spatial reference Data for Andalusia provides administrative boundaries, grid systems and other relevant zonning systems
- Training & recommendations on translation techniques



04 STATISTICAL AND GEOSPATIAL INTEROPERABILITY

Use of internationally adopted standards and good practices from statistics and geography

Statistics

Cartography

METADATA STANDARDS

Cartography and geography data

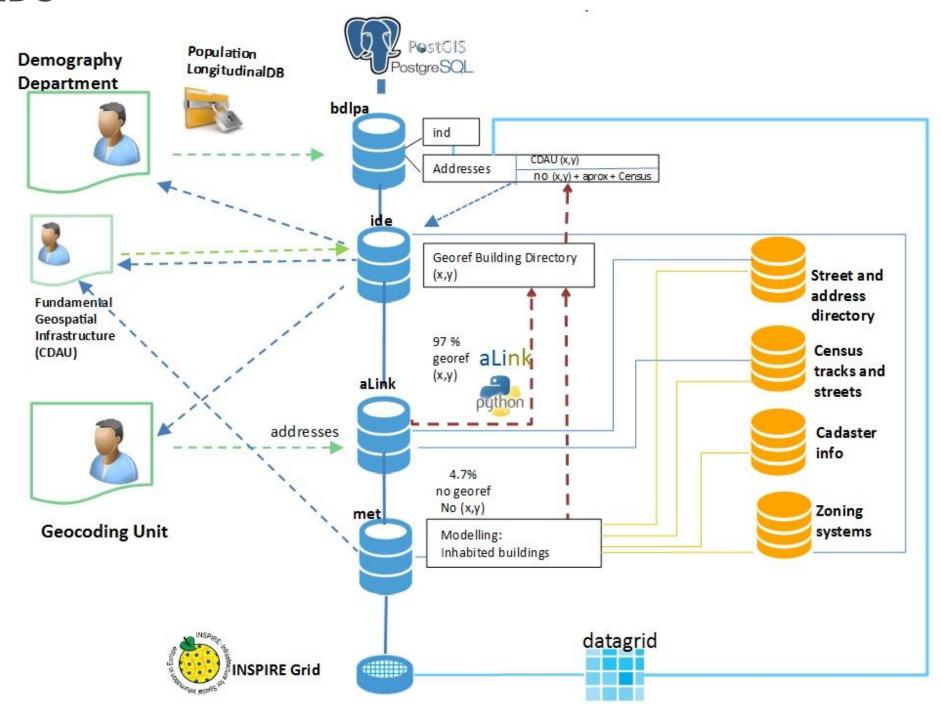
ISO 19100 standards, OGC standards and INSPIRE

Statistical data

Process and infrastruture applies relevant metadata standards

Geospatially enabled statistical data

Geocoding, data management and data infrastructure at IECA



O5 ACCESSIBLE AND USABLE GEOSPATIALLY ENABLED STATISTICS

Access, analysis, visualisation and dissemination of spatially enabled statistics





Statistics spatially enabled and geodata release at IECA WFS/WMS/Shapes

Institute of Statistics and Cartography of Andalusia. Georeference



yearly

Population data (demographics and labour status)



Companies over 50 employees,



Public infrastructure and services



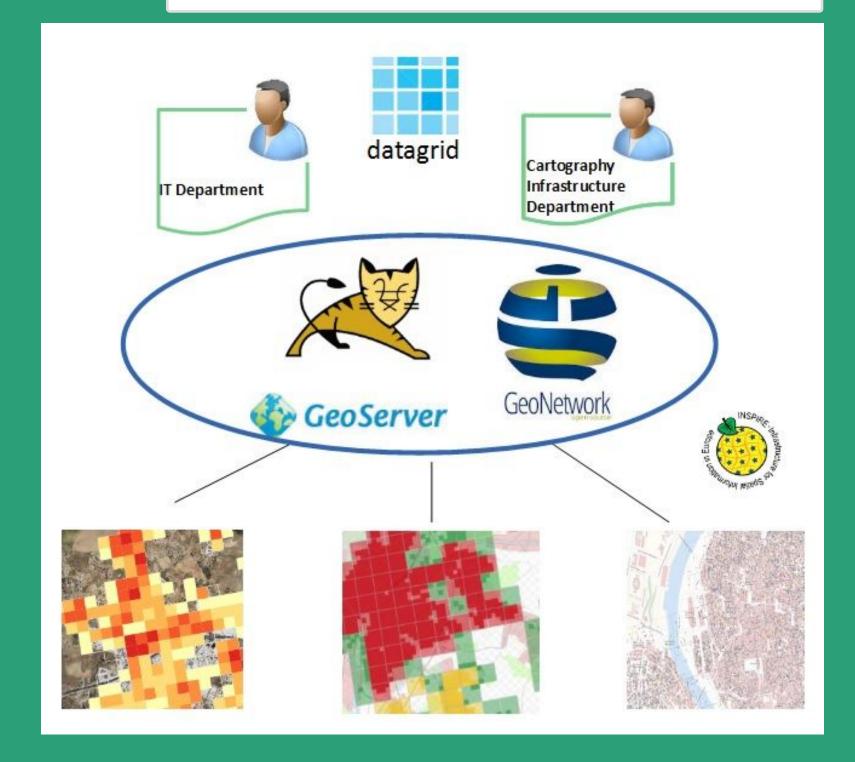
Fertility & Mortality data



Degree of Urbanization



Cadastral information



Institute of statistics & Cartography of Andalusia

INSPIRE, Andalusia spatial data infrastructure, web viewers & interoperable services (WMS and WFS)

INSPIRE, ISO19115 + ISO19119
Statistical Metadata

Inspire grid, administrative boundaries & transfer & correspondences recommendatiosns

Geocoding & georeferencing guidelines. ALink tool. Data sources (Business & Population registers). INSPIRE Identifier

ACAR, Street & Building entrance register. Guidelines on admin data harmonized collection & standardisation

GSGF

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