The Spanish Directorate General for Cadastre working together with the Topographer Engineers
The Spanish Cadastre
• Administrative Register (Ministry of Finances)
• Describe rural, urban and other (special) real estate
• Differentiated of Land Register (Ministry of Justice)
• Available to public policies and citizens requiring information from the Territory (by Law)

The cadastral description of the real estate will include its physical, economic and legal characteristics as location, cadastral code or ID, surface, use, crops, cartographic representation, cadastral value, titleholder, etc.
The cadastre has information on all rural and urban parcels in a homogeneous way, as a territorial continuum, positioning itself as a complete and powerful territorial information system.
creation, update and maintenance of the cadaster in collaboration:

- Compulsory Declarations of titleholders
- Institutional collaborators
  - NATIONAL MAP AGENCY
  - AGRICULTURAL MINISTRY
  - GENERAL COUNCIL OF THE NOTARIAT
  - OFFICIAL COLLEGE OF PROPERTY RIGHTS REGISTRARS
  - SPANISH TAX AGENCY
- Collaboration agreements with municipalities and local and regional authorities
- Communications and supply of information from public administrations and bodies; Public Domain managers, expropriations, land consolidation, highways, railways, etc.

In Spain there are not licensed surveyors and it is not obligatory to mark boundaries in the ground. Boundary demarcation is a right of titleholder (and his neighbour). But any alteration of the real estate must be declared to the cadastre.
http://www.sedecatastro.gob.es/
INSPIRE Services

Visualisation service

WMS

Download Services

Cadastral parcel
Addresses
Buildings
The Cadastre in Spain

The fiscal Cadastre has become a Multifunctional Cadastre

Legal security and fraud control in real estate traffic:
Location and identification of the properties. The cadastral reference as "Real estate NIF" in Scriptures - Rg. Property / Tax returns / Contracts / Valuations

Social and aid policies:
Granting of grants and scholarships.
Free justice
Control of the agrarian policy of the European Union subsidies
Cadastral Cartography
Cadastral Cartography

More than a century of cartographic works
• topographic survey
• Photogrammetry
• Rural maps
• In 70’S urban maps
In the late 90’S to 2002
• Ortophotography to update rural maps
• Digital cartography
In 2004: cartography in internet, viewing and download (Sede electrónica)
TOPOGRAFÍA CATASTRAL DE ESPAÑA.
PROVINCIA DE MADRID.
PARTIDO JUDICIAL COLMENAR VIEJO.
Ayuntamiento Fuencarral.
Término Fuencarral.

HOJA KILOMÉTRICA K1.
Escala: 1:2,000 = 0’0005.
Las cuadrículas de líneas finas representan áreas; las de líneas gruesas hectáreas.
Las curvas de nivel equidistan cinco metros.

Situaciones.

<table>
<thead>
<tr>
<th>Designación de los puntos</th>
<th>Distancias</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>norte</td>
</tr>
<tr>
<td>Vertx 2 0</td>
<td>-2 488.8</td>
</tr>
</tbody>
</table>


SIGCA (Cadastral GIS)
Viewer

Cartography in electronic website

https://www1.sedecatastro.gob.es/Cartografia/mapa.aspx
Urban Cadastre
- 1.062.636 ha maps 1/1.000 o 1/500
- 12 M de buildings
- 14 M cadastral parcels,
- 39 M urban units
- **6.500 real estate updated daily, 480 new constructions**

Rural Cadastre:
- 47.387.942 ha maps a 1:5.000
- 39,2 M parcels
- **2.500 real estate updated daily**

Annual maps download: over 180 M

Catastro en cifras:
Cadastre-Registry coordination
Law 13/2015 implements the coordination:

- using cadastral mapping as the basis of its graphic representation,
- allowing simultaneously the updating of the cadastral data.

To give real estate traffic greater legal certainty by incorporating the georeferenced graphic information of the parcels in the Property Rights Registry,
The cadastral cartography is the basis of the Property Rights Registry, because it is:

- THE ONLY ONE WITH A COMPLETE PLOT MAP
- UNIVERSAL AND CONTINOUS: CORRECT IDENTIFICATION OF THE PROPERTIES
- OFFICIAL, IT HAS CERTAINLY PRESSUMTION
- GIVES TRANSPARENCY AND SECURITY TO REAL ESTATE TRAFFIC
- OBTAINED ACCORDING TO STANDARD IN COLLABORATION
- WIDELY USED, PUBLIC, FREE, ACCESSIBLE.
Once the cadastral data is coordinated by the Property Rights Registry, the delimitation, location and area of cadastral data are considered to be true for all legal purposes.

Both organizations give information about the coordination and its date for each parcel.
3 documents

Cadastral certification (with GML, INSPIRE)

Alternative geo-referenced representation (in GML)

Graphical validation report

Secure Verification Code
Instituto Geográfico y Catastral over 40 years
Lots of topographers as civil servants in NMA and Cadastre
Works based on terms of reference and control of private work
Lots of cartographic companies and professionals, powerful private sector

The DGC has an agreement with the Association of Surveyors to facilitate the processing of the files of its clients.

The DGC is part of the management committee of the Certification ISO for Cadastre, property and Valuation Experts.
Muchas Gracias