

Spanish Cadastre in covid times

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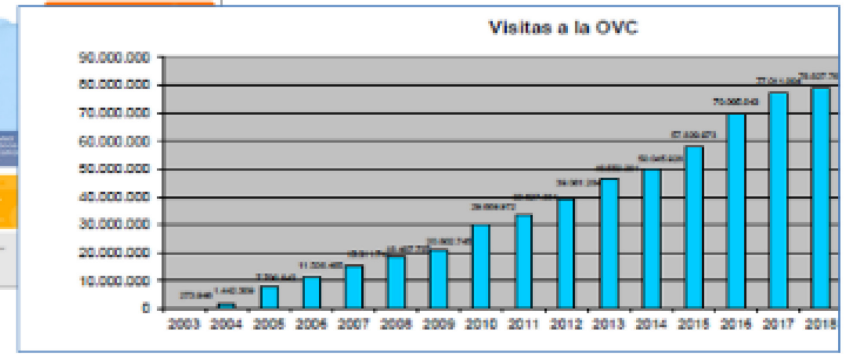
- **SDGC supporting Government during COVID-19.**
- **SDGC contingency response to the pandemic.**
- **SDGC supporting Government post COVID-19.**

- The SDGC develops an open policy for the download all of cadastral information

- Many web services
- Many soap services
- Many formats
- Bulk downloads



electronic office
<https://www.sedecatastro.gob.es/>



Serving **daily 1.1 million consultations and almost 21.000 certificates**

Enabling **maps downloads** at a rate of over **180 Millions per year**

TOTALLY FREE OF CHARGE

- ✓ For citizens with the limitations established by data protection legislation,
- ✓ Many public administrations have also privileged access to protected data, such as the cadastral value or the owner of the property, within the competitive scope of each of them.

Previous registration in the cadastral system

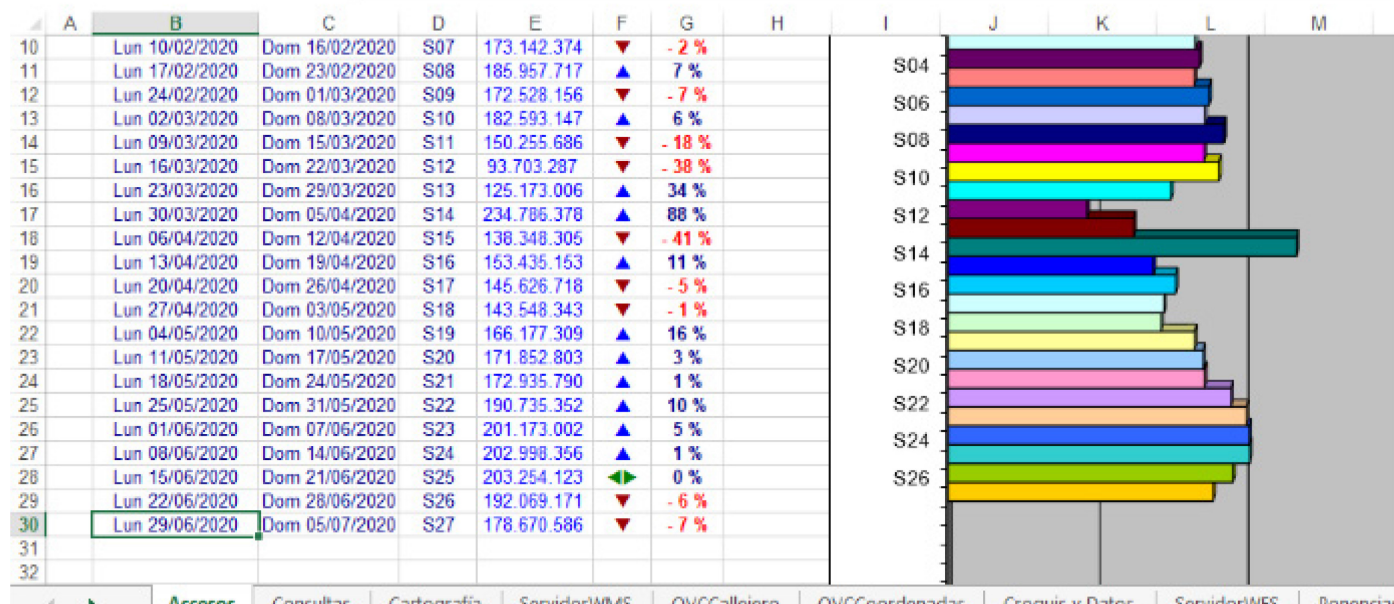
SDGC supporting Government during COVID-19.

In this context, the different Public Administrations managing actions leading to the fight against the pandemic have full access to the download of cadastral information and **do not require an express request to the SDGC.**

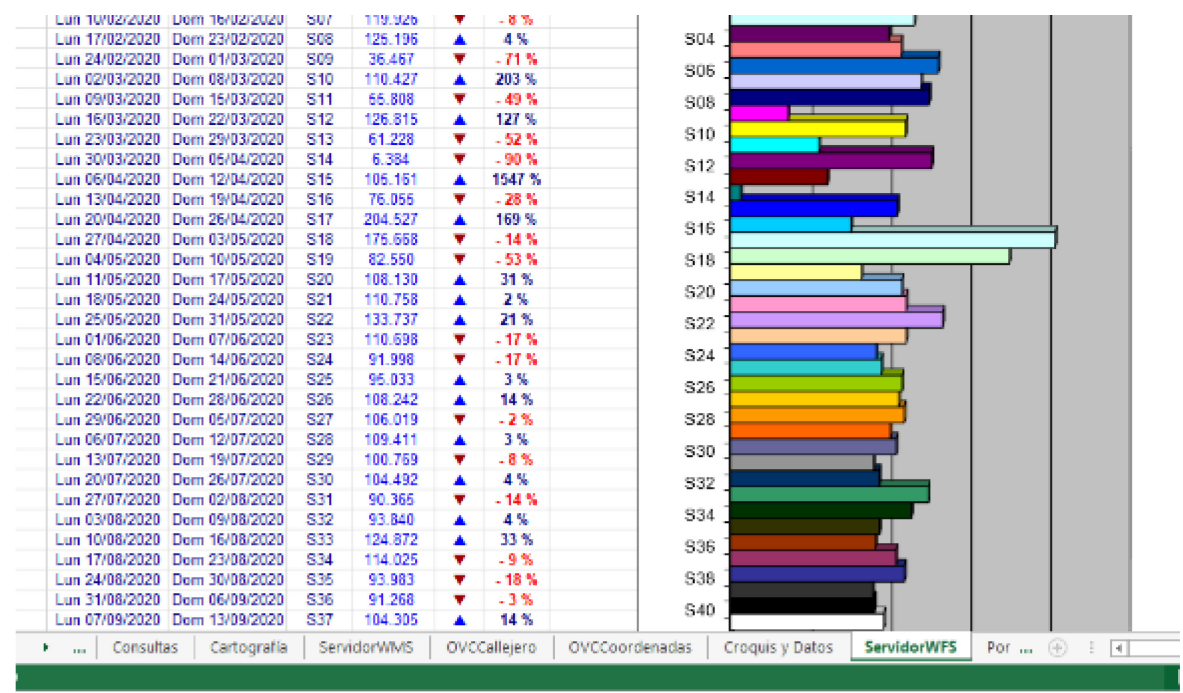
In any case, SDGC, where required, has provided other relevant information

All of this has led to a substantial increase in access to the online cadastre since confinement

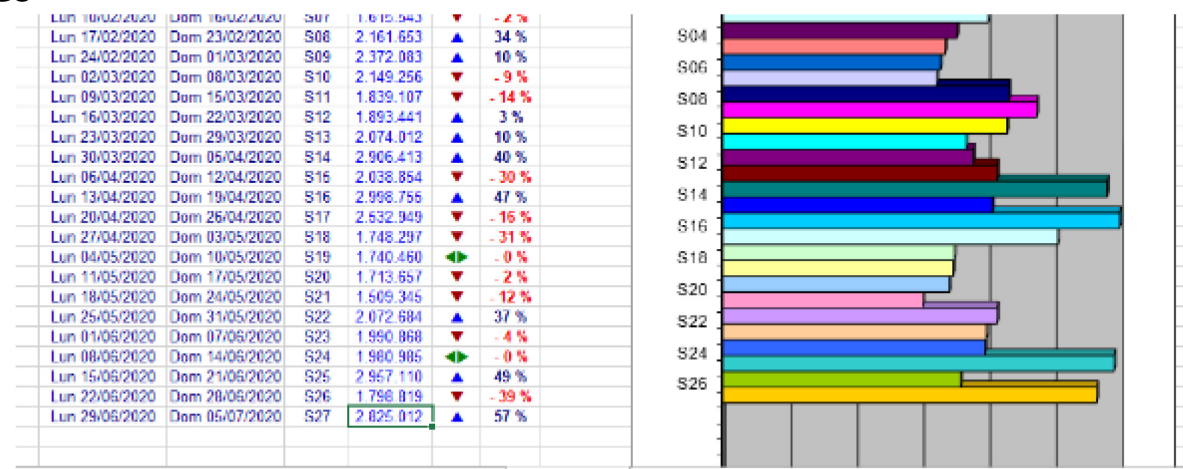
For example in March 26.75% more downloads of information in 2020 than in 2019



The wfs were maximum at the peak of the pandemic



and addresses-coordinates

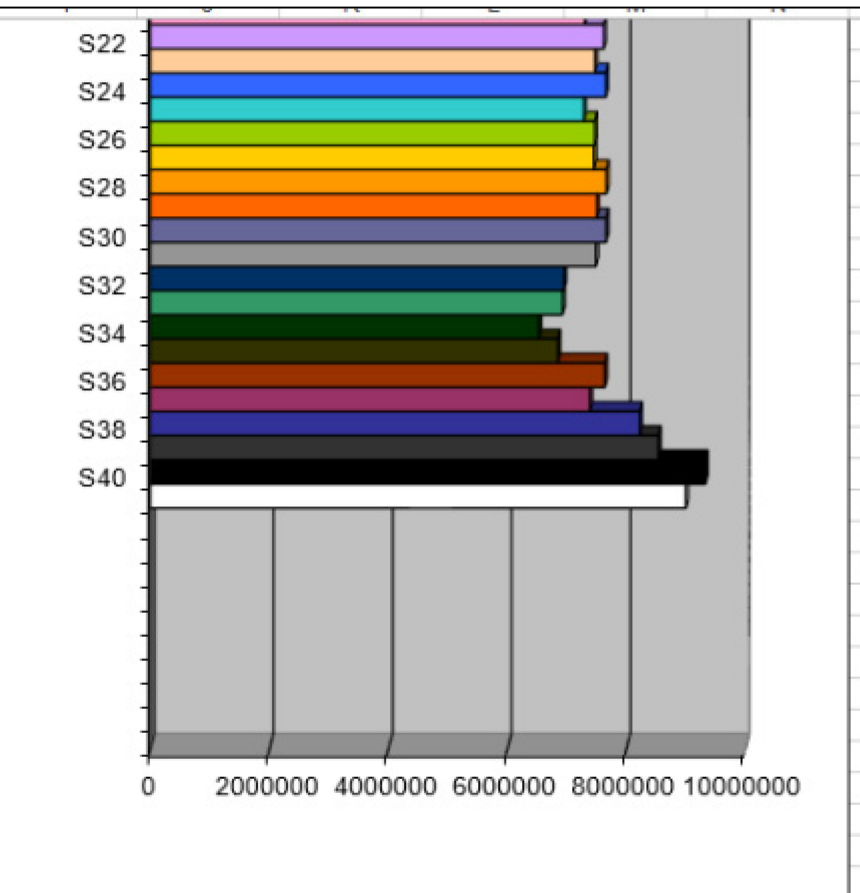




The demand of some services has remained high from the beginning of the pandemic and even grown in recent months

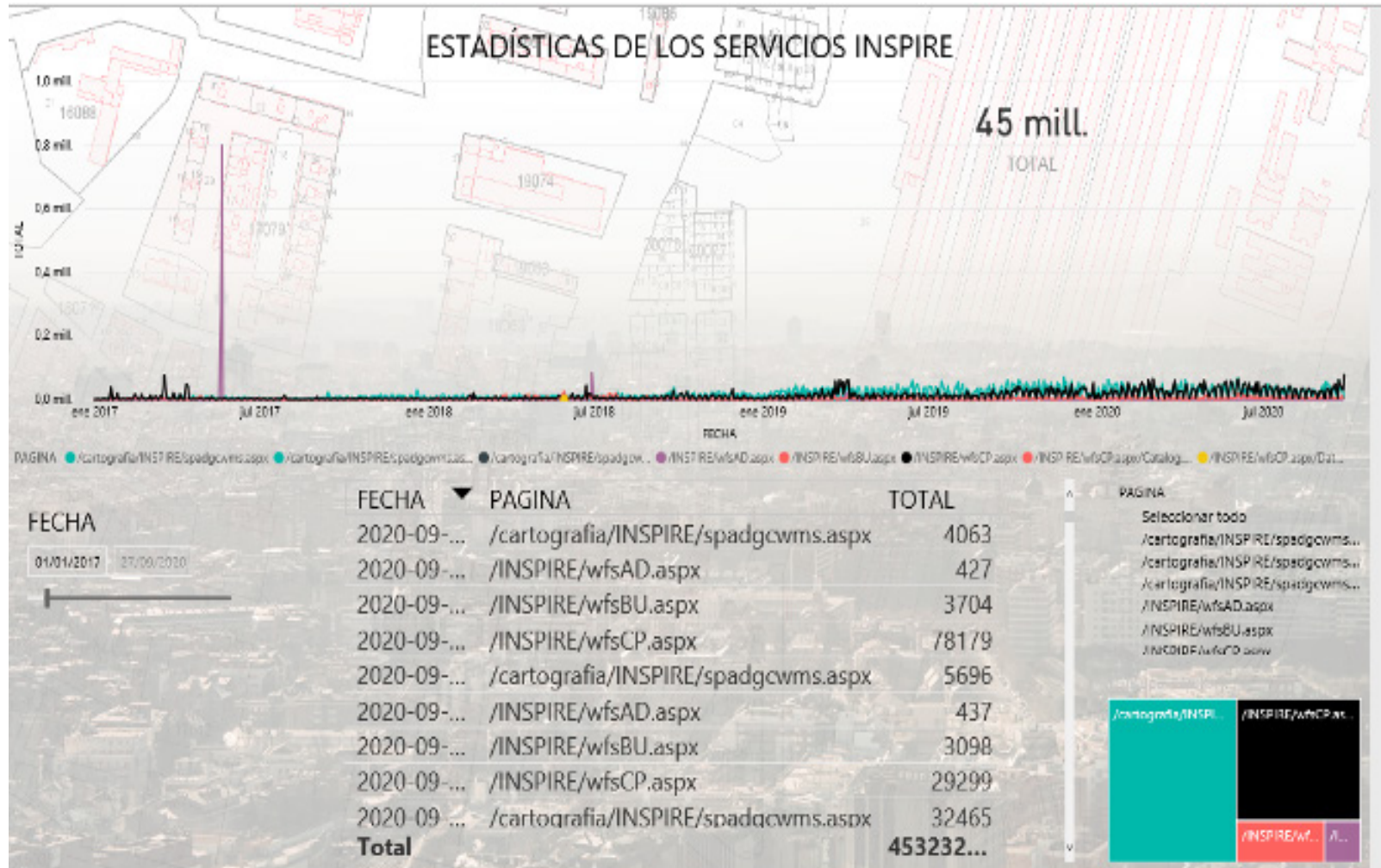
For example WMS the past week reached 9.332.105 downloads in a week

Lun 25/05/2020	Dom 31/05/2020	S22	7.624.022	▲	4 %
Lun 01/06/2020	Dom 07/06/2020	S23	7.477.370	▼	- 2 %
Lun 08/06/2020	Dom 14/06/2020	S24	7.659.634	▲	2 %
Lun 15/06/2020	Dom 21/06/2020	S25	7.288.836	▼	- 5 %
Lun 22/06/2020	Dom 28/06/2020	S26	7.472.459	▲	3 %
Lun 29/06/2020	Dom 05/07/2020	S27	7.458.189	◀▶	- 0 %
Lun 06/07/2020	Dom 12/07/2020	S28	7.669.178	▲	3 %
Lun 13/07/2020	Dom 19/07/2020	S29	7.507.437	▼	- 2 %
Lun 20/07/2020	Dom 26/07/2020	S30	7.664.520	▲	2 %
Lun 27/07/2020	Dom 02/08/2020	S31	7.492.143	▼	- 2 %
Lun 03/08/2020	Dom 09/08/2020	S32	6.955.652	▼	- 7 %
Lun 10/08/2020	Dom 16/08/2020	S33	6.932.355	◀▶	- 0 %
Lun 17/08/2020	Dom 23/08/2020	S34	6.535.603	▼	- 6 %
Lun 24/08/2020	Dom 30/08/2020	S35	6.852.916	▲	5 %
Lun 31/08/2020	Dom 06/09/2020	S36	7.640.363	▲	11 %
Lun 07/09/2020	Dom 13/09/2020	S37	7.393.389	▼	- 3 %
Lun 14/09/2020	Dom 20/09/2020	S38	8.230.646	▲	11 %
Lun 21/09/2020	Dom 27/09/2020	S39	8.541.878	▲	4 %
Lun 28/09/2020	Dom 04/10/2020	S40	9.332.105	▲	9 %
Lun 05/10/2020	Dom 11/10/2020	S41	9.004.903	▼	- 4 %





SDGC supporting Government during COVID-19.



SDGC supporting Government during COVID-19.

Spain's SDI has created a platform with resources by region and many of them use cadastral data as addresses or buildings



Recursos / Recursos COVID-19 /

Recursos abiertos sobre la COVID-19

Debido al alcance y gravedad de la pandemia de COVID-19 y la gran importancia de las infraestructuras de datos espaciales en la gestión de esta crisis, es clave facilitar el acceso ahora más que nunca a todos los recursos que puedan ser de utilidad para los usuarios y para facilitar la toma de decisiones.

A continuación se muestra una lista de recursos que se han publicado desde distintas administraciones y organismos internacionales.

Para notificaciones de desarrollos nuevos u otros recursos que creáis que deban incluirse en esta lista, agradeceríamos nos lo comunicases a través del correo idee@fomento.es

Andalucía +

Aragón +

Illes Balears +

Canarias +

Castilla y León +



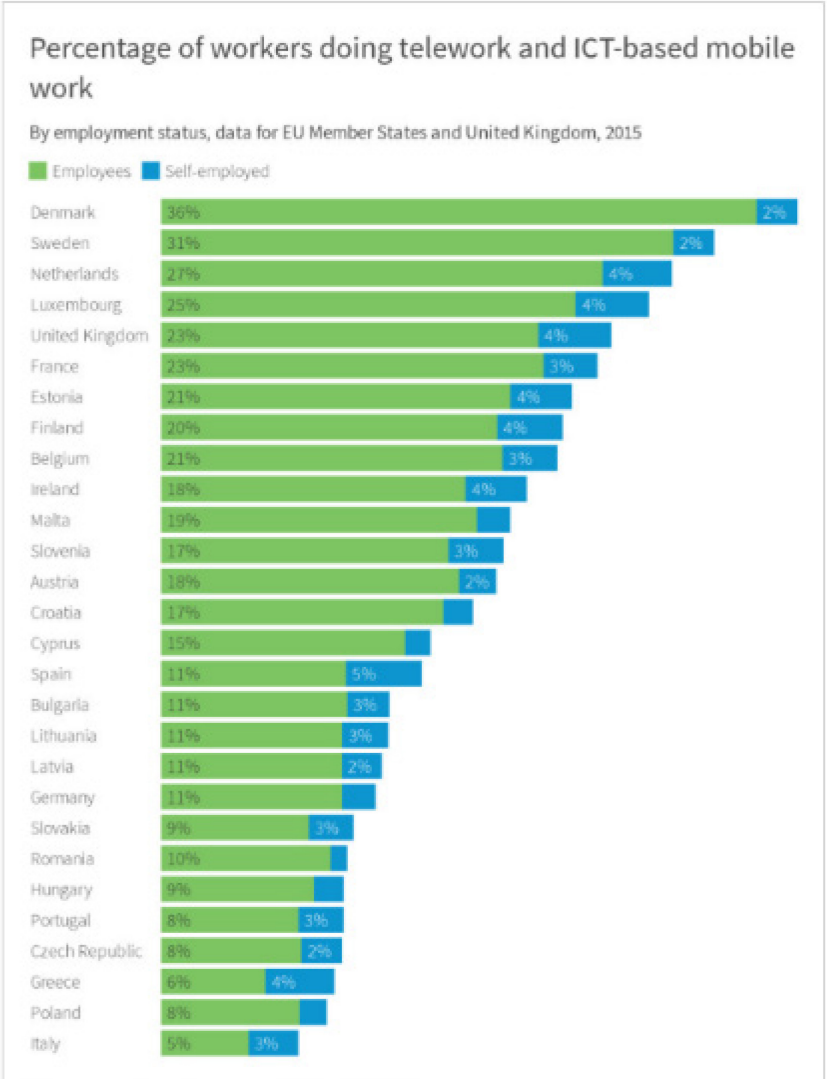
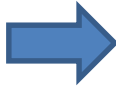
- **SDGC supporting Government during COVID-19.**
- **SDGC contingency response to the pandemic.**
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SDGC contingency response to the pandemic

With the escalation of the pandemic crisis we have had to implement contingency and business continuity plans as a result of lockdown measures, including implementing very quickly working from home arrangements.

Spain, a 'chair warmer' country

In Spain telework was very little implanted in the public administration, with figures lower than the European average and very far from the Nordic countries.



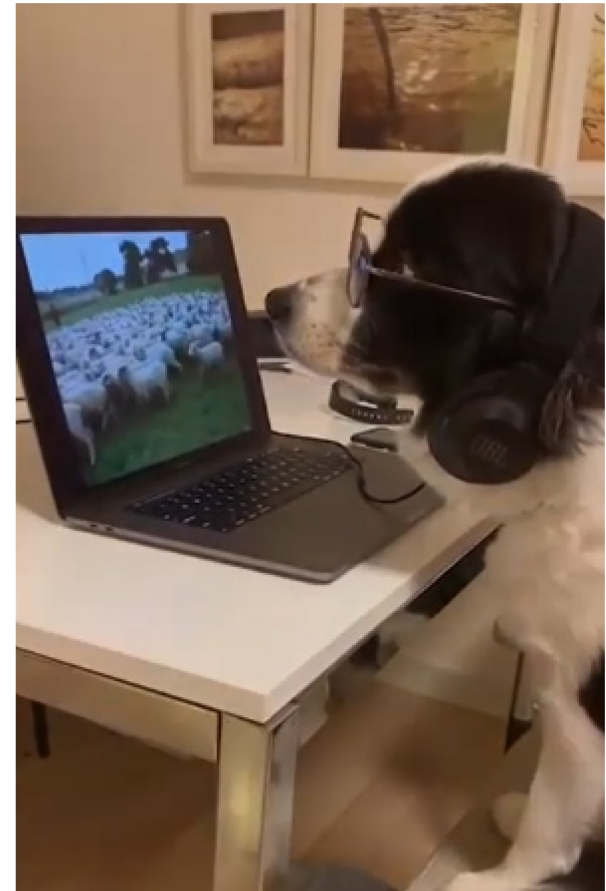


SDGC contingency response to the pandemic

COVID-19: experience with telework in confinement in Spain 2020

After the declaration of the state of alarm on March 14, 2020 due to COVID-19, Spain population was eight weeks confined to their homes.

But staying home did not necessarily mean stop working. On the contrary, according to a study carried out 40% of those surveyed had the option of being able to telework . Of these, more than 50% rated the experience as good or very good and gave it a score of 7 or more points.

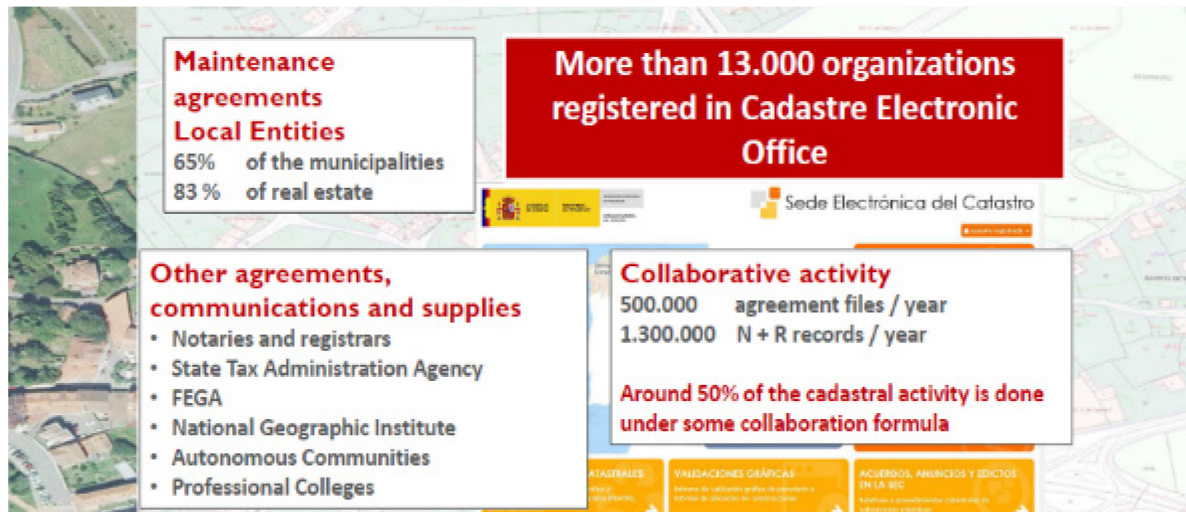


teleworking shepherd dog


SDGC contingency response to the pandemic

The Spanish cadastre, within the Spanish public administration, already had special conditions to be able to telework.


- The technology was ready,
- and many collaborators already worked with us using our tools and platforms from their own organizations



but NEVER in the Spanish cadastre the majority of its workers themselves had teleworked



Users: citizens and public administrations



Workers: employees and collaborators

The SDGC has maintained fully operational the Cadastre's Electronic Office, which allows citizens to carry out the cadastral administrative procedures through digital services.

Even new services were implemented

The SDGC has maintained an important level of service thanks to

- the availability of tools to remotely respond to existing demand and
- the **enablement of sufficient telework media** so that employees (2.228) and the collaborators could serve all the demand from their homes and only field works has been suspended.



SDGC contingency response to the pandemic

63 Territorial offices
2.228 Public employees

Activity

- 5.000.000 changes / year
- 3.700.000 files / year
- 1.500.000 phone inquires/year
- 21.000 certificates / day
- 1.100.000 downloads / day

The incorporation of data to the cadastre can be done by several procedures, depending on the type of real estate, and also depending of act or business that cause the change of data.

Compulsory declarations from titleholders that they are directly declared in our offices or by internet. providing the documentation required for each case

- With this information, the DGC or the collaborators (municipalities) update the database.

Communications of the collaborators in cadastral updating, mainly 4500 local authorities, 2900 notaries and 900 property registrars and other public institutions that act over the territory. For example expropriations, land consolidation and acts of planning and urban management etc....they are obligate to provide the data in the same conditions.

Inspection Works and other proceedings (as regularization proceeding to include new buildings, extensions and reforms) done by Cadastre own initiative and normally contracting technicians to do the field work.

General works, with the assistance of private firms, under technical specifications and controls.

In covid time ?





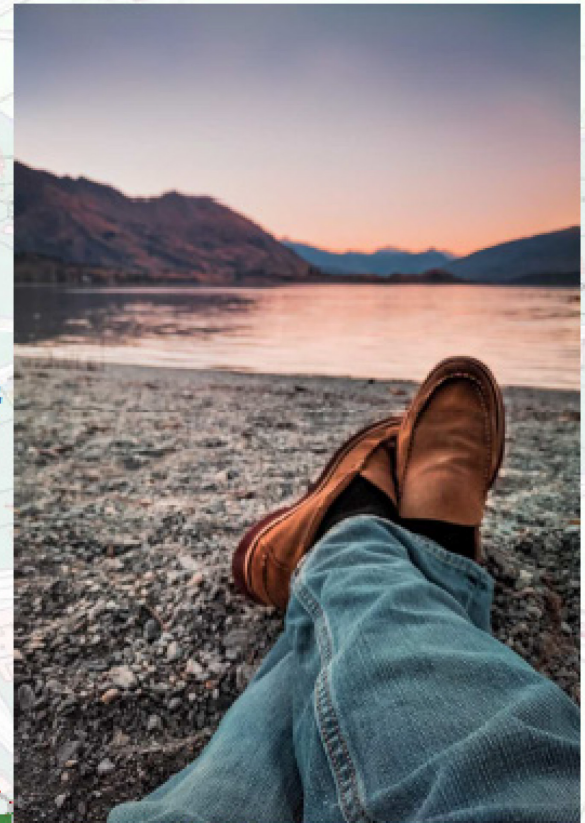
SDGC contingency response to the pandemic

We were ready because in recent years we had already improved the online declaration system

2. New regulation 2018 (Order HAC/1293/2018, of 19 November, approving the model for the declaration of cadastral alterations).

2.a. Objectives

- *Make it easy for the Citizen to declare*
- *Preferred declaration through the Internet*
- *Involve partners in the processing*





SDGC contingency response to the pandemic



The assistant for electronic filing and delivery of cadastral declarations

Sede Electrónica del Catastro

Assistant for cadastral declarations of alterations of real estate (Model 900)

With this assistant you can prepare cadastral declarations (model 900) and process them electronically authenticating with one of the identification systems indicated below or generate the corresponding predeclarations, which must be presented to the Cadastre Management or collaborating entities or to the places indicated in article 26.1 of Royal Decree 415/2006, of April 7.

Do you want to check a pre-declaration with the description of the service?

0- IS THE ALTERATION I WANT TO INFORM IS ALREADY PROCESSED IN CADASTRO?

1- INFORMANT IDENTIFICATION

On-site Desk, for Service (000140)

2- DECLARATION DATA

Click the alteration you want to declare. For each type of alteration you will select the different buildings and the documentation that supports it.

Cancel Information Declaration Cadastre notice Cadastre notice Service notice Cadastre notice Cadastre notice

Tutorial

Click the alteration selected in the previous step to view the pre-declaration and generate the necessary administrative documents.

Select cadastre notice and type

Select type of document

Document number in the (00000)

From: CSV

Click on the selected document



SDGC contingency response to the pandemic

The incorporation of physical changes of the parcels in the the cadastre can be done by several ways, and by several experts (topographers, engineers, architects..., notaries, land registrars..) depending on the type of real estate, and also depending of act or business that cause the change of data.

They must provide information with the technical conditions defined by the cadastre that verifies that the graphical and literal information is correct.

In 2019 the physical characteristics of 1.300.000 cadastral parcels were modified in the cadastre (parcel delimitation, modification, creation). **Not all of them had to be survey in the field. (in fact few of them had the necessity,** the system has many other tools to update cadastral parcels).

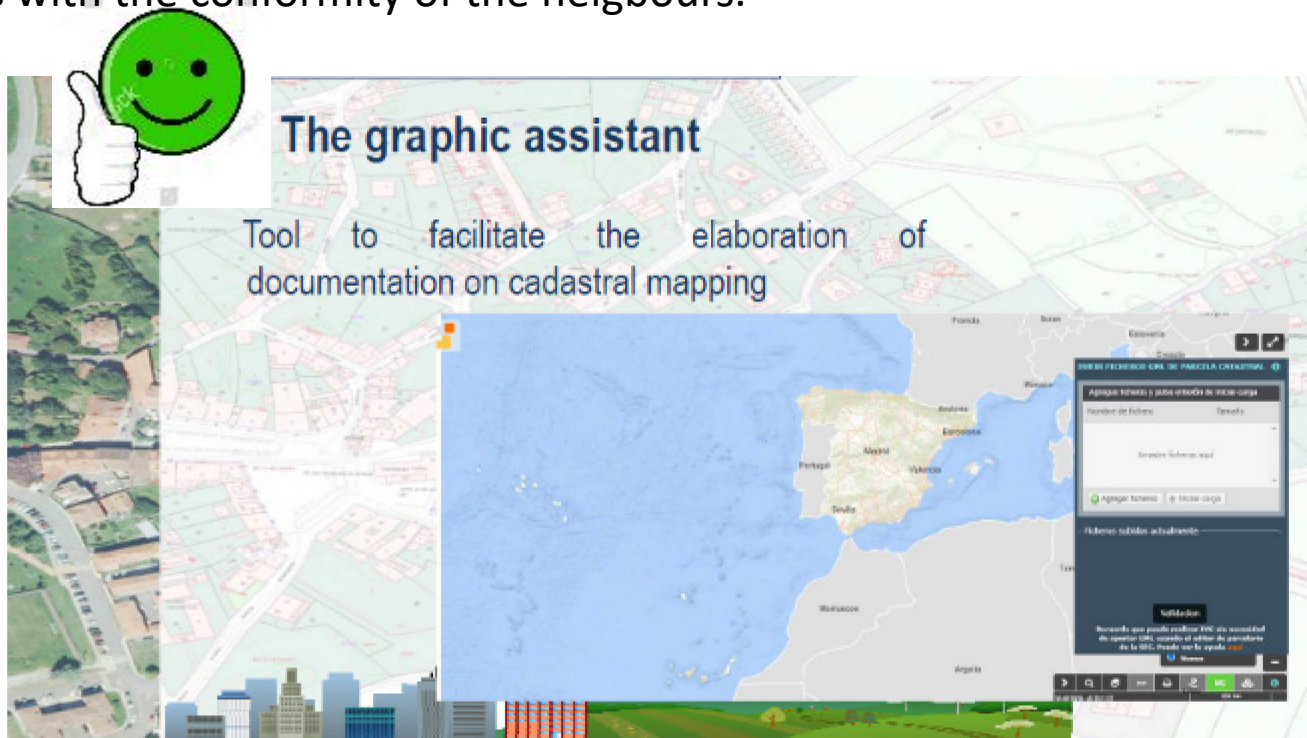
It is not obligatory to mark the division in the land. The agreement to divide and the boundaries are decided by seller and buyer



SDGC contingency response to the pandemic

Any modification of the physical characteristics of the cadastral parcels must be done taking as reference the digital continuous Cadastral Cartography, that it is the unique geographic representation of the cadastral parcels.

In the Spanish cadastre all information and services are free of charge and the DGC provides this minimum cartography of all the territory. If someone wants to improve the quality of the cadastral representation can provide more accuracy representation but always with the conformity of the neighbours.





SDGC contingency response to the pandemic

The validation report

It's the main product of the graphic assistant. Allows to compare graphic documentation with cadastral cartography

INFORME DE VALIDACIÓN GRÁFICA

Nueva parcelación

Provincia: TOLUÑO Municipio: BARRIONO DE SAN VICENTE

ESCALA 1:500

0m 50m 100m

Copyright 2018. Todos los derechos reservados. No se permite la explotación económica ni la transformación de esta obra. Queda permitida la impresión en su totalidad. Dirección General del Catastro, Madrid, España. 15/11/2018

An automatic validation is carried out consisting of different checks: delivery format, scheme validation of cadastral parcel, attribute value syntax, and geometric verification of the information delivered against the existing cadastral information.



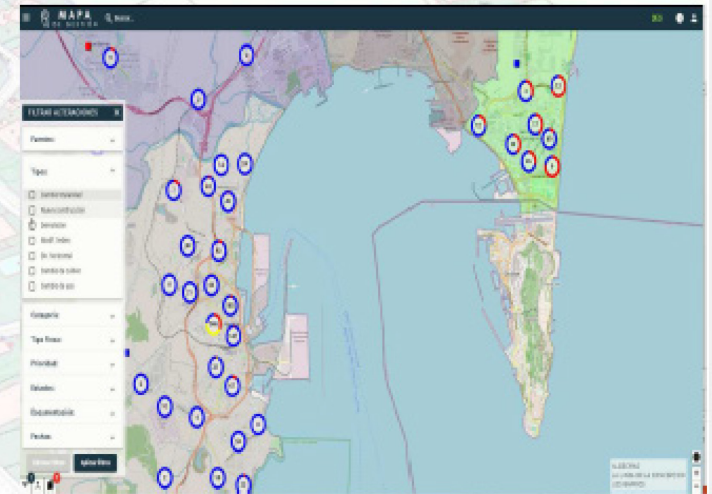
SDGC contingency response to the pandemic

Also has been very useful to collaborators the Dash board to follow the management development



The management map

- It's a tool that shows on the cadastral cartography information about facts or businesses on real estate
- The information on management map comes from Public Administration and notaries





SDGC contingency response to the pandemic

New Citizen Care Plan

Preventing citizens from moving to our offices

Implementation of the **mandatory** appointment for face-to-face care.

New technological tools such as the assistant for arranging a pre-appointment through electronic office and combine it with the telework of cadastre staff.



SDCG has had at full capacity the Cadastral Hotline, a telephone service for the formulation of consultations,



This channel was completed with the possibility of carrying consultations and queries also through electronic channels: cadastral electronic office



New: **Attention to the citizen by video conference**

SDGC contingency response to the pandemic

CADASTRAL CERTIFICATES

CERTIFICACIÓN CATASTRAL DESCRIPTIVA Y GRÁFICA
Referencia catastral: 89847047F39880001YA

DATOS DESCRIPTIVOS DEL INMUEBLE
Localización: CL CLARA CAMPOMOR 35 Suato 41730 LAS CABEZAS DE SAN JUAN (SEVILLA)
Clase: Urbano
Uso principal: Residencial
Superficie construida: 414 m²
Año construcción: 2005

Valor catastral (2019):
Valor catastral suelo: 80.000,00 €
Valor catastral construcción: 80.000,00 €

Titularidad
Apellido Nombre / Razón social: [Redacted]
NIF/NIE: [Redacted] Domicilio: 100% de propiedad

Construcción

Edif./Piso./Pta.	Destino	Superficie m ²	Edif./Piso./Pta.	Destino	Superficie m ²
Edif.	PARQUEAMIENTO	10	Edif.	VIVIENDA	23
Edif.	OTROS USOS	10	Edif.	OTROS USOS	24
Edif.	DEPORTIVO	64	Edif.	VIVIENDA	61

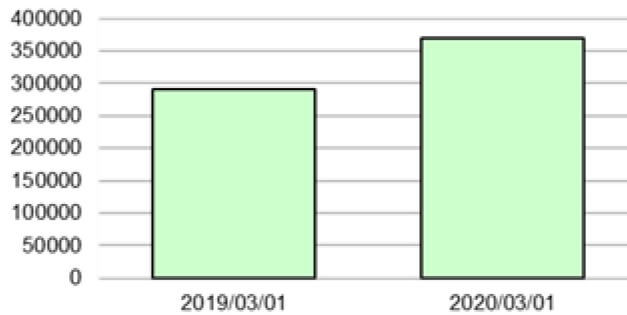
PARCELA CATASTRAL
Superficie gráfica: 500 m²
Parcela construida sin división horizontal



January-September more than 4 millions

2.2.- CERTIFICACIONES Y SUMINISTRO DE INFORMACIÓN		Pendientes inicio	Reclasif. y ajustes	Entrados	Tramitados
58	Certificaciones alfanuméricas	12.376	264	16.779	17.09
59	Certificaciones descriptivas y gráficas	3.191	0	5.268	5.65
60	Certificaciones emitidas desde Sede Electrónica del Catastro	2.112	4	4.127.615	4.127.75
61	Soporte fedatarios	781	126	8.842	8.96
RESUMEN CERTIFICACIONES		18.460	394	4.158.504	4.159.45

DOWN-LOAD



WMS, WFS, INSPIRE services
CP, BU, AD, coordinates,
addresses-coordinates,
valuating áreas, many other
graphic and textual bulk
information.

RESUMEN N° DESCARGAS REALIZADAS

DE 2019/03/01 A 2019/06/01

TIPO DE SECTORES	PROPÓSITO	DESCARGAS 2019	DESCARGAS 2020	%
1 ADMÓN PÚBLICA	Ayudas públicas (agricultura, vivienda, estudios, etc.)	38	38	100,00%
1	Comunicaciones (telefonía, antenas, TV, etc.)	12	4	33,33%
1	Creación de cartografía o callejeros para navegadores digitales	120	86	71,67%
1	Creación / gestión de redes de suministro (agua, gas, electricidad, etc.) o alcantarillado	61	49	80,33%
1	Generación de Sistemas de Información Geográfica	15580	221821	1423,75%
1	Gestión de patrimonio inmobiliario	377	80	21,22%
1	Localización de emplazamientos, muestras de mercado, etc.	184	61	33,15%
1	Otros	883	522	59,12%
1	Tributación inmobiliaria	106	36	33,96%
1	Valoración de inmuebles / seguimiento del mercado inmobiliario	55	188	341,82%
ADMÓN PÚBLICA	SUBTOTAL...	17416	222886	1279,78%
4 EMPRESA PRI	Ayudas públicas (agricultura, vivienda, estudios, etc.)	2828	73	2,58%
4	Comunicaciones (telefonía, antenas, TV, etc.)	16177	423	2,61%
4	Creación de cartografía o callejeros para navegadores digitales	387	112	28,94%
4	Creación / gestión de redes de suministro (agua, gas, electricidad, etc.) o alcantarillado	5498	313	5,69%
4	Generación de Sistemas de Información Geográfica	89036	15263	17,14%
4	Gestión de flotas de vehículos	47	14	29,79%
4	Gestión de patrimonio inmobiliario	23200	1832	7,90%

Hoja1



LISTO

UNIVERSIDAD	SUBTOTAL...	10244	2190	21,29%
	TOTAL....	291196	369095	126,75%

Hoja1



LISTO



SDGC contingency response to the pandemic

In addition, and within the framework of the general measures approved by the Government, the administrative deadlines for the attention of the obligations to be fulfilled by citizens to the cadastre have been extended.



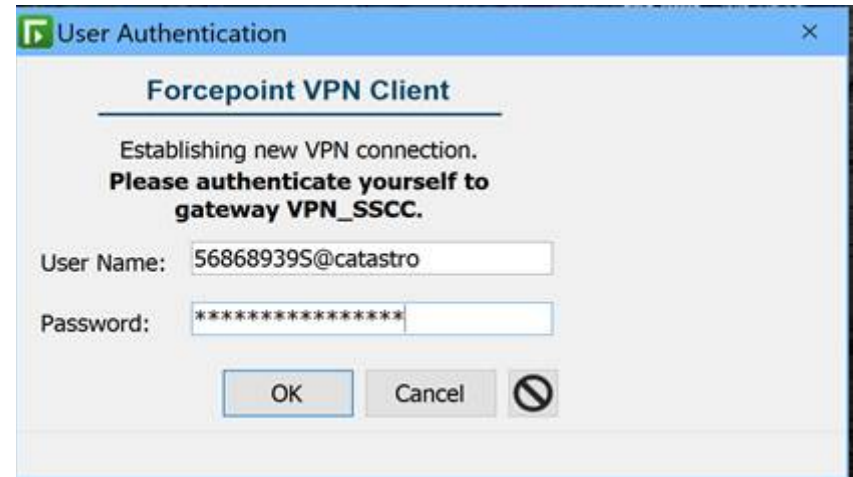
- declaration deadlines.
- responses to requirements
- delivery of documents
- Etc...



SDGC contingency response to the pandemic

We had the services and applications already underway because they were the ones our collaborators worked with.

But we have had to give ALL the staff of the Directorate General for Catastro the possible to work remotely through the VPN Forcepoint



Our staff has had to use, in many cases, their own computer and their own internet access



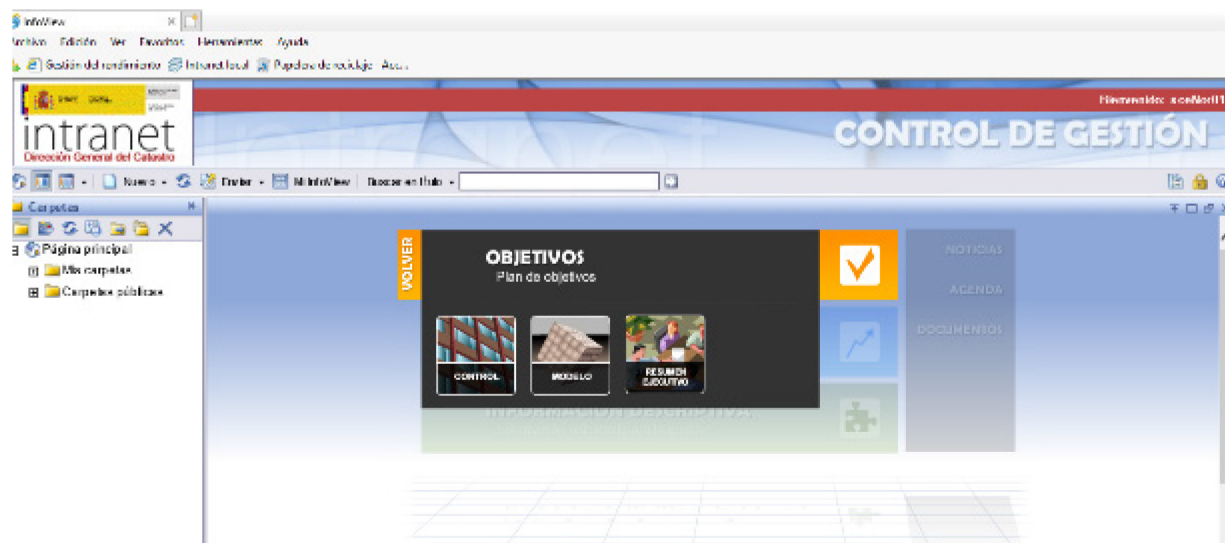
SDGC contingency response to the pandemic

We have had to change the way we work by trying to :

- Optimize work processes between remote workers.
- Making sure communications and other processes are consistent
- Establishing collaboration tools.
- Establishing a reporting and control system.
- Adapting performance evaluations

SDGC contingency response to the pandemic

By using cadastre workers and collaborators during telework the same applications as under normal conditions, monitoring and control of work carried out during the pandemic was similar to normal periods

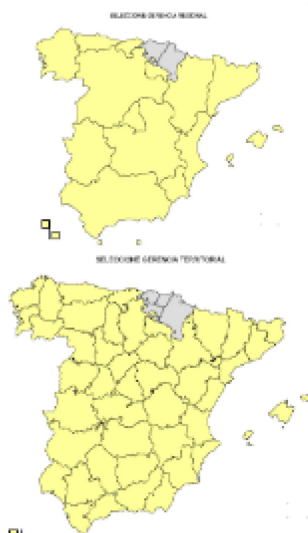
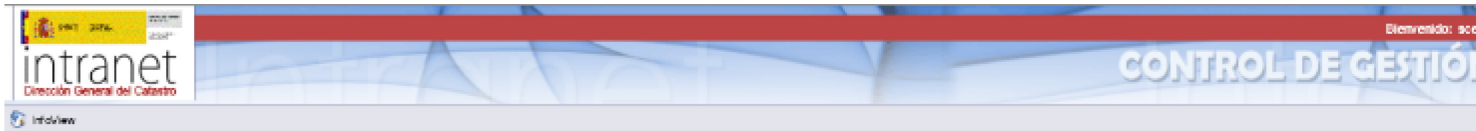


and we have been able to quantify also the level of achievement of objectives set out in the annual plan for each task



SDGC contingency response to the pandemic

We use a combination of IT application modules to monitoring and control the work done by each of our workers and also collaborators



Documentos - Ver - Imprimir - Buscar - Deshacer - Rehacer - Zoom 100% - H - 1 - H

2020 **TOTAL CATASTRO** **Objetivo mes curso: 45 %**
Actualización : 05/06/20

CUMPLIMIENTO DE OBJETIVOS ... 57,08%

OBJETIVO OPERATIVO	INDICADORES			RESULTADOS		
	Concepto	Pond.	Val. Asig.	Valor	% Rev.	% Abs.
ACTUACIONES DE ASISTENCIA A USUARIOS DE CATASTRO (20 % +1 %)						
SERVICIO A USUARIOS						
Usuarios (+15 %)	1 Presentación telemática	0 %	52.355	50.423	-45,40%	0,00%
	2 Notificación electrónica	0 %	47.500	43.300	-9,01%	0,00%
	3 Incentivos emitidos y descargas realiz.	1 %				1,25%
Total						1,26%
ACTUALIZACIÓN GESTIÓN CATASTRAL						
Eficiencia en tramitación (25%)	4 0007 (Mutualidad)	2 %	74.525	40.780	-45,60%	2,00%
	5 0030 (obras nuevas, ampliación, rehab.)	2 %	10.445	8.735	-16,37%	2,00%
	6 0030 (regulación, agrupación...)	2 %	11.944	10.537	-11,78%	2,26%
	7 0030 (cambio calificación, uso,...)	2 %	3.533	3.477	-1,72%	0,34%
	8 Recursos	3 %	24.063	14.843	-38,33%	3,75%
	9 Subsanaciones y correcciones	3 %	86.603	84.319	-26,20%	3,75%
	10 Fedatarios	3 %	27.282	12.294	-54,60%	3,75%
	11 Solicitudes e informes	2 %	8.257	4.893	-41,13%	2,50%
	12 CDIS, REGI	3 %	9.595	6.599	-27,68%	3,75%

Control of the the time between the date of registration and the date of resolution.

Looking forward the effectiveness



SDGC contingency response to the pandemic



S.I.E.C.E. (Efficiency Indicators System)

Provincial Offices of the Ministry of Finance and Civil Service

METHODOLOGY¹

Description of elements used in formulae

PROVINCIAL OFFICE i ; $i = 1, 2, \dots, N$

SERVICE a ; $a = 1, 2, \dots$

TASK j ; $j = 1, 2, \dots$

SUB-GROUPS OF EMPLOYEES g ; $g = A1, A2, C1, C2$.

CIVIL SERVANTS F

CONTRACT STAFF L

Baseline data

The Inspection General, as main coordinator of the system, conducts initial research involving the valuation of tasks performed by the operational units (Services in Provincial Offices of Ministry).

Average monthly wage of an employee of sub-group g : C_g , $g = A1, A2, C1, C2$.

Standard Unit: *Valuation Point*. **1 Valuation Point** is equivalent to the amount of work performed by a civil servant of sub-group $C2$ during one minute.

Weight coefficients to homogenize all the wages with reference to those of sub-group $C2$ of employees: $W_g = \frac{C_g}{C_{C2}}$. That is to say that 1 minute of an employee of sub-group g has a value of W_g points.

Number of minutes spent by employees of sub-group g performing task j of Service a : $M_{i,a}^g$



SDGC contingency response to the pandemic

Telework: almost as productive as ever!!!!

REGISTRADOS			FINISHED					
2019	2020	%	2019		2020		%	
			< EJEC	EJERC ACT	< EJEC	EJERC ACT	< EJEC	EJERC ACT
649.252	426.457	65,68	123.646	561.763	136.933	394.229	110,75	70,18

PENDING						PUNTOS SIECE		
2019		2020		%		2019	2020	%
< EJEC	EJERC ACT	< EJEC	EJERC ACT	< EJEC	EJERC ACT			
167.744	208.553	115.239	148.707	68,70	71,30	130.566.789	115.038.753	88,11

- during these 3 months compared to the same period last year:
 - we have had a 65.68% record of new files
 - We have finished 10.75% more
 - We have left fewer pending records



SDGC contingency response to the pandemic

As far as extraordinary activity is concerned the results are highly satisfactory as it has allowed

- Deepen in tasks aimed at strengthening the organization's capabilities and formulating improvement initiatives for the future or developing procedure manuals.
- The result of the work carried out is contained in 2,476 documents, proposals for improvement.
- A team of evaluators consisting of 8 managers of the Catastro, coordinated by the central unit, have analyzed all the documentation provided, resulting from their work the selection of 26 preferred initiatives and 42 additional initiatives to implement as measures of improvement in the organization

it is an exceptional result of the working model developed during the alarm state that, from an absolutely participatory approach, results in a critical analysis of the whole organization capable of contributing decisively to better defining its future.



- **SDGC supporting Government during COVID-19.**
- **SDGC contingency response to the pandemic.**
- **SDGC supporting Government post COVID-19.**

SDGC supporting Government post COVID-19.

Measures for gradually joining the new normal.

Measures to combine telework with face-to-face work.

Measures to reduce the public in offices.

Use of cadastral data for government measures to revive the economy.

Impact of the expected decline in real estate market values in the cadastral valuation, main activity of the Spanish Cadastre



Measures for gradually joining the new normal.

For workers returning to the office.

For citizens visiting our offices

Intranet
Dirección General del Catastro

DIRECCIÓN - SECRETARÍA GENERAL - VALORACIÓN - PROCEDIMIENTOS - INFORMÁTICA - INTRANET LOCAL

Inicio / Secretaría General / Recursos Humanos / Actuaciones y medidas COVID-19




Actuaciones y medidas COVID-19 de la DGC

Documentos

- TRÍPTICO MEDIDAS COVID en la DGC
- ACTUACIONES Y MEDIDAS EN EL CENTRO DE TRABAJO DE LOS SERVIDORES DE LA DGC DEL CATASTRO



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#ESTE VIRUS LO PARAMOS UNIDOS

GOBIERNO DE ESPAÑA MINISTERIO DE HACIENDA SECRETARÍA DE ESTADO DE HACIENDA
DIRECCIÓN GENERAL DEL CATASTRO



Measures to combine telework with face-to-face work.

Breaking

The officials will be able to telework four days to take care of minors and dependents

By · June 18, 2020 · 121 · 0



That it is an **agreement “pioneer”** in the organization of work in Spain, as well as on the reconciliation of work and family life, which will have its continuation in the future regulation of teleworking, which will start trading in July



Use of cadastral data for government measures to revive the economy

Spain: Economic and social measures (COVID-19)

April 7, 2020

Royal Decree-Law 11/2020 (31 March 2020) introduces certain supplementary economic and social measures that are in response to issues resulting from the coronavirus (COVID-19) pandemic.

Cadastral data are used in many of the measures put in place for post-covid economic recovery, such as the reference value for the selection of people who may receive the newly approved living minimum wage



Impact of the expected decline in real estate market values in the cadastral valuation, main activity of the Spanish Cadastre

idealista/news

El precio de la vivienda usada cae un 6,1% de abril a junio, la mayor caída en idealista

the price of used housing falls by 6.1% from April to May. the biggest fall ever

The forecast is that these lowering prices will continue this year until the start of 2021 at least, although everything will depend on how the health crisis evolves (with the possibility of more coronavirus outbreaks and the fact that a vaccine will take time to arrive), as well as how the economy responds in the coming months.



Cadastral Values: Reference for Spanish Public Administration.

The cadastral value is an administrative value, and it is the basis for or it is taken as a reference in relation to certain actions of the Public Administrations:

From a tax view:

*Recurrent Property Tax,
Income Tax,
Wealth Tax
Tax on the Increase in Value of Urban Land,
others.*

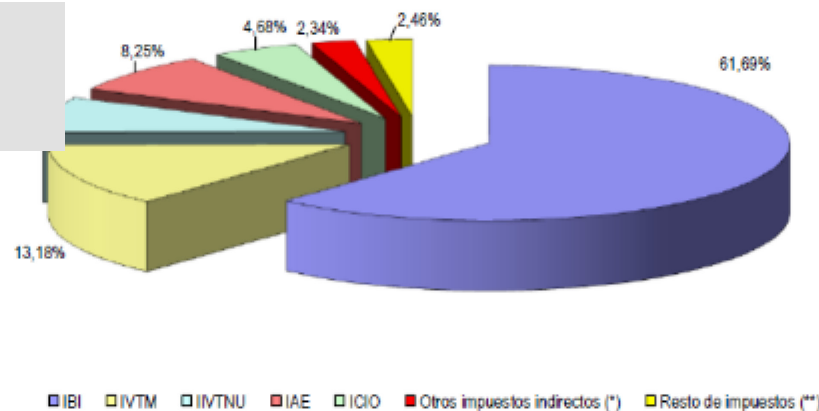
From a non-tax view:

*expropriation,
urban assessments,
certain types of aids,
scholarships and grants, etc.*



los 1 y 2 de ingresos)

RECURRENT real estate tax is the main income of the Spanish municipalities,



€



“While no one could have predicted the scale and speed with which COVID-19 made the entire world come to a standstill, what we can do is better prepare for future disruptions. And technology again will play an essential part in that.”

Time magazine

We can say that the Spanish cadastre is ready for work in pandemic

Thanks for your attention

