Conference and Plenary Meeting of the Permanent Committee on Cadastre in the European Union (PCC)

"Role of National Mapping, Cadastre and Land Registry Authorities in Resilience and Recovery program"

Fernando Serrano, ES, Dirección General del Catastro

Use of cadastral data for monitoring and recovering from the Volcano catastrophe in La Palma (Spain)



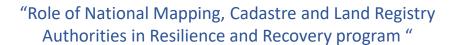


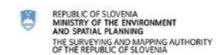




Cadastre and Land Registry Knowledge Exchange Network













Un volcán entra en erupción en la isla española de La Palma y fuerza masivas evacuaciones







Primera modificación: 19/09/2021 - 23:45



Lava y humo se elevan por la erupción de un volcán en el Parque Nacional Cumbre Vieja en El Paso, Isla de La Palma, Islas Canarias, el 19 de septiembre de 2021. @ Borja Suarez / Reuters

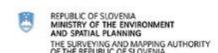
Texto por: France 24 V Sequir





Bajo estrecha vigilancia durante días debido a la intensa actividad sísmica, el volcán Cumbre Vieja en la isla española La Palma, en el archipiélago de las islas Canarias, entró en erupción este 19 de septiembre por primera vez desde 1971. La erupción forzó la evacuación de diez municipios. No se reportan víctimas por el momento.

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Volcán Cumbre Vieja entra en erupción en Canarias

El volcán, ubicado en La Palma, escupía grandes columnas de humo y lava, según imágenes de la televisión pública. Las autoridades locales comenzaron a evacuar las zonas habitadas más cercanas al volcán.











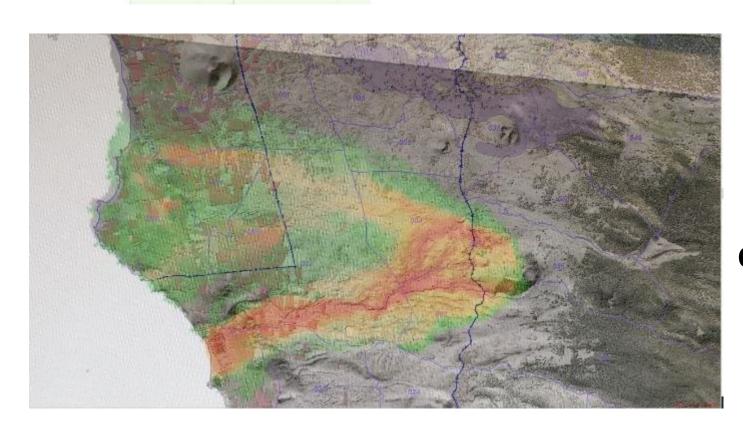
La crupción del volcán en La Palma obliga a una evacuación masiva

El plan de traslado ha afectado ya a 5.000 vecinos. "No es previsible que haya que evacuar a nadie más", asegura el presidente de Canarias. Angel Victor Torres



Lunes	Martes	Microtes	Jueves	Viemes	Sábado	Domingo	
		1	2	3	4	5	
6	7	8	9	10	11	12	
13	14	15	16	17	18	19	
20	21	22	23	24	25	26	
27	28	29	30				

The Canary Islands Volcanic Emergency Plan (PEVOLCA) is activated



The National Geographic Institute sends us a forecast of the possible affected areas

"Role of National Mapping, Cadastre and Land Registry Authorities in Resilience and Recovery program"



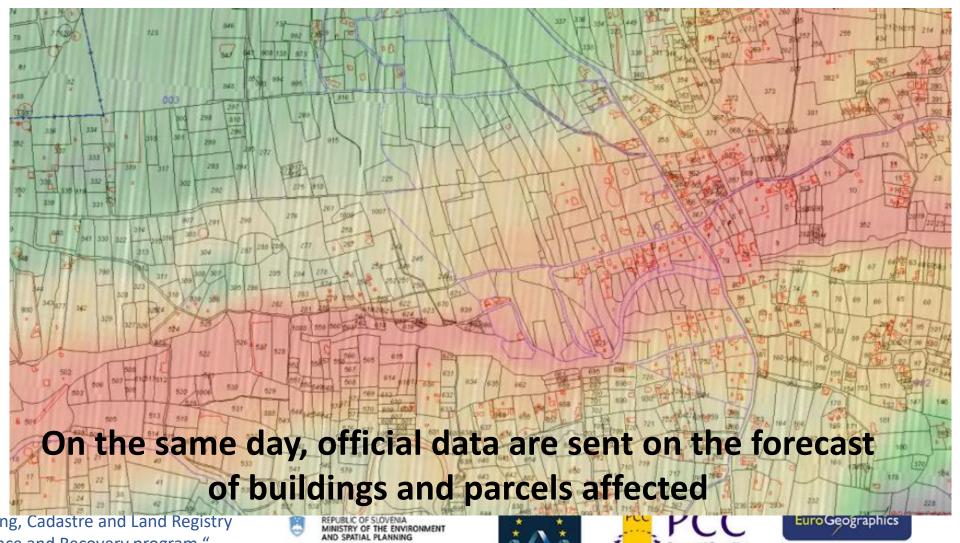






		SEPT	IEMBRE :	2021		
Lunes	Martes	Microtes	Jueves	Vienes	Sábado	Domingo
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

The General Directorate for Cadastre cross-match the IGN information with its BBDD



"Role of National Mapping, Cadastre and Land Registry Authorities in Resilience and Recovery program "









COPERNICUS



Home | What is Copernicus | EMS - Mapping | Linking with Early Warning Systems

LATEST NEWS · 2021-10-27 | [EMSR548] Flood in Eastern Sicily, Italy

- Service Overview
- Who can use the service
- How to use the service
- · Portfolio: Rapid Mapping
- Portfolio: Risk and Recovery
- Quality control
- User Guide

RAPID MAPPING

- List of Activations
- Map of Activations
- GeoRSS Feed
- Online Manual

- List of Activations
- Map of Activations
- GeoRSS Feed Online Manual

- . Map of Activations of Other Organizations
- Meetings, Workshops
- Citation Guidelines
- Citations
- Press Mentions
- Calls for Tender

EMSR546: Volcano eruption in La Palma, Spain

Event Time (UTC): 2021-09-19 15:15 Event Time (LOC): 2021-09-19 14:15 Event Type: Volcanic activity (Lava flow)

Activation Time (UTC): 2021-09-19 19:08

Activation Status: Open

Affected Countries/Territories:

Kingdom of Spain

Service Output: 36 products (72 maps)

Grading: 36 products (72 maps)

Authorised User:

Spain|Centro de Coordinacion Operativa (CECOP) de la Direccion General de Proteccion Civil y Emergencias

Activation Reason:

Since 11 September 2021, a swarm of seismic activity had been ongoing in the southern part of the Spanish Canary Island of La Palma (Cumbre Vieja region). The volcano was under strict surveillance after more than 22,000 tremors were reported in one week. The increasing frequency, magnitude, and shallowness of the events were an indication of a pending volcanic eruption; which occurred on 19 September, leading to evacuation of people in the vicinity.





EMSR546 - Activation Extent Map (2) Release: r71 - Version: v1 - Delivered: 2021-10-28 19:14

VIOLENCE ENSESABLACHI JPG - EMSRS48-AEH-KMZ - EMSRS48-AEH

Related activation(s):

[EMSN112] Ground deformation in La Palma Island, Spain

- The Copernicus Emergency Management Service Provides Support in the Emergency Management of the Volcanic Eruption in La Palma, Canarias, Spain
- The Copernicus Emergency Management Service Continues to Provide Support in the Emergency Management of the Volcanic Eruption in La Palma, Canarias, Spain

Civil protection activates the **EU emergency Copernicus** service

[EMSR546] La Palma: Grading Product, Monitoring 1, version 3, release 1, RTP Map #01



Published: 2021-09-22 18:38:57 (UTC) Product version 2: v3

Downloadable items (2) PDF: 200 DPI JPEG: 200 DPI Vector package: ZIP

[EMSR546] La Palma: Grading Product, Monitoring 1, version 3, release 1, Vector Package



Downloadable items [] Vector package: ZIP

lma: Grading Product, version 2, release 1, RTP Map #01

Published: 2021-09-21 13:24:22 (UTC) Product version (2): v2

Downloadable items [2] PDF: 200 DPT JPEG: 200 DPT

i] La Palma: Grading Product, version 2, release 1, RTP Map #02



Published: 2021-09-21 13:24:22 (UTC) Product version (2): v2

Downloadable Items (2) JPEG: 200 DPI

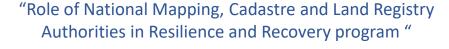
[EMSR546] La Palma: Grading Product, version 1, release 1, Vector Package



Published: 2021-09-21 03:51:49 (UTC) Product version (2): v1

Downloadable items [] Vector package: ZIP

They start to generate data

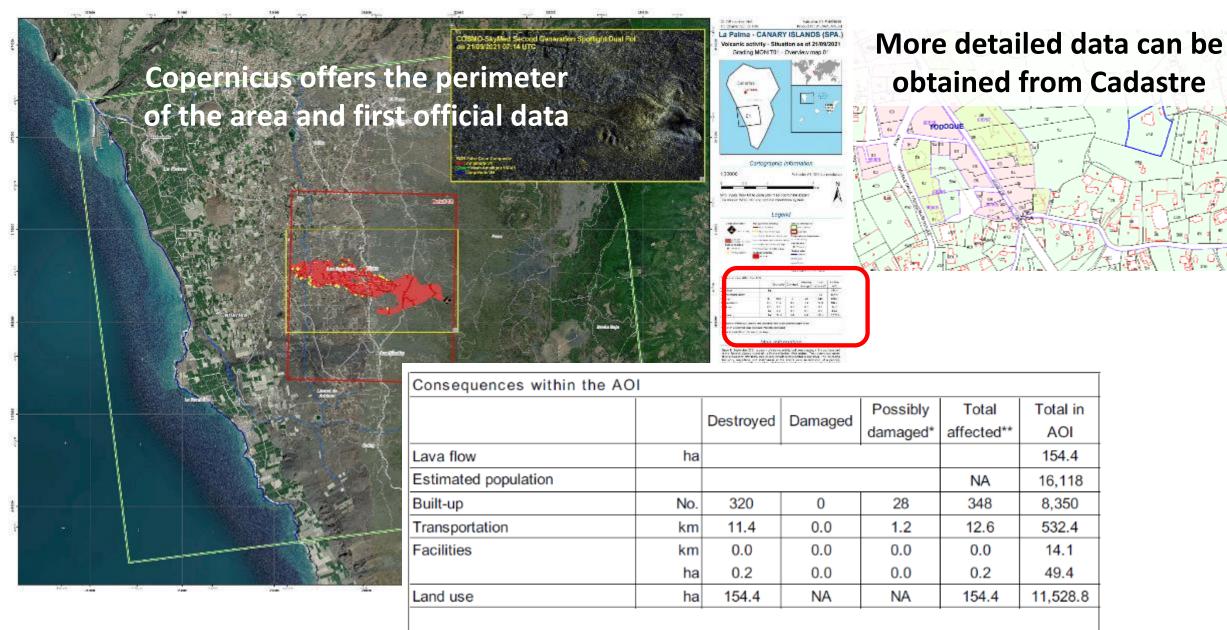












"Role of National Mapping, Cadastre and ** Sum of Destroyed, Damaged and Possibly damaged Authorities in Resilience and Recovery

Full table available in the vector package



^{*} Presence of damage proxies and proximity with destroyed/damaged asset



Every time data are published, the affected area is extracted

[EMSR546] La Palma: Grading Product, Monitoring 35, version 1, release 1, RTP Map #01

AND SPATIAL PLANNING



Published: 2021-10-27 14:21:21 (UTC)
Product version ?: v1

opernicus

Downloadable items ?

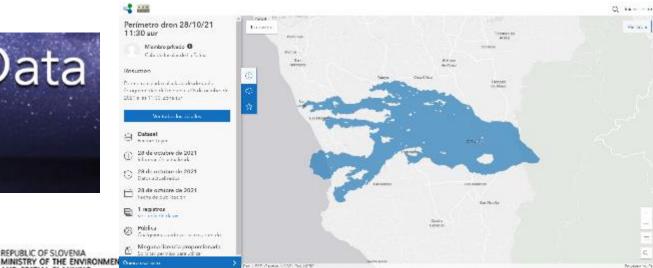
PDF: 200 DPI
JPEG: 200 DPI

Vector package: ZIP



Cadastre and Land Registry Knowledge Exchange Network

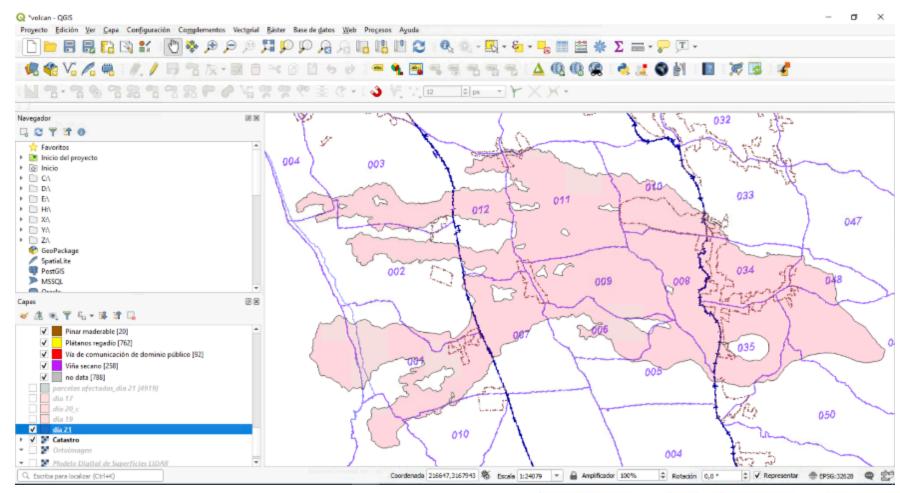


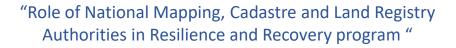


on Cadastre in the

"Role of National Mapping, Cadastre and Land Registry Authorities in Resilience and Recovery program"

The affected area is cross-matched with information from the cadastral database









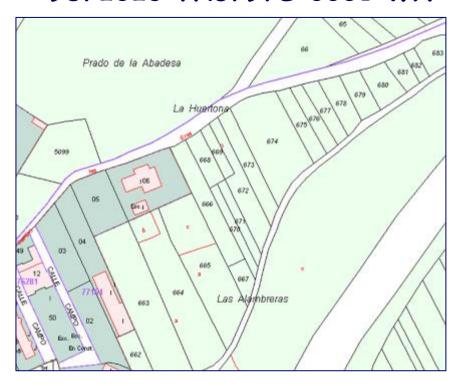




Descriptive data of each property on continuous mapping

- Cartography, localization, georeferencing
- Cadastral reference
- Surface area of land and buildings by flour
- Use or cultivation, use of buildings
- Owner, type and right percentage
- NIF, fiscal address
- Coordination with Registre
- If construction:
 - ✓ Type
 - ✓ Quality
 - ✓ Age
 - ✓ Use
- Reference value (statistical market value)
- Cadastral value (official value for taxes)
- Floor plans
- Picture of facade

9872023 VH57975 0001 WX











BUILDINGS AFFECTED BY LA PALMA ERUPTION

	BUIDING USE							
Date	Residential	Agricultural	Office	Industrial	Hotels and accomodation	Public Services	Others	TOTAL
20/09/2021	131	9	0	5	9	2	3	159
21/09/2021	80	10	0	6	3	0	1	100
22/09/2021	16	4	0	1	0	0	0	21
23/09/2021	33	2	0	0	2	0	1	38
24/09/2021	14	0	0	0	0	0	0	14
25/09/2021	21	0	0	1	1	0	0	23
26/09/2021	5	1	0	1	2	0	0	9
26/09/2021(1)	16	2	0	0	-2	0	2	18
27/09/2021	57	4	0	3	1	2	1	68
28/09/2021	18	0	0	0	1	0	0	19
29/09/2021	128	12	0	6	2	3	0	151
30/09/2021	7	3	0	0	-1	0	0	9
01/10/2021	16	2	0	0	-1	0	0	17
02/10/2021	24	4	0	4	0	0	1	33
04/10/2021	39	5	0	3	1	0	-1	47
07/10/2021	6	10	0	-1	1	0	0	16
08/10/2021	9	2	0	0	0	0	0	11
11/10/2021	64	7	0	3	2	0	2	78
12/10/2021	79	12	1	12	1	0	1	106
13/10/2021	46	6	0	2	0	1	0	55
14/10/2021	58	10	0	6	3	1	1	79
15/10/2021	-13	0	0	0	0	0	0	-13
16/10/2021	24	3	0	1	0	0	0	28
17/10/2021	24	7	0	3	0	1	1	36
19/10/2021	78	16	0	4	2	0	1	101
21/10/2021	50	1	0	3	2	1	0	57
23/10/2021	6	1	0	0	0	0	0	7
24/10/2021	0	2	0	0	0	0	0	2
24/10/2021(2)	2	0	0	0	0	0	0	2
25/10/2021	1	1	0	0	0	0	0	2
27/10/2021	5	2	0	1	0	0	0	8
28/10/2021 (Cab.)	48	0	0	-1	1	0	0	48
28/10/2021	44	6	0	2	1	1	1	55
29/10/2021	5	0	0	1	0	0	0	6
30/10/2021	12	1	0	1	1	1	0	16
31/10/2021	2	0	0	0	0	0	0	2
01/11/2121	11	2	0	1	1	0	0	15
02/11/2021	-1	0	0	0	-1	0	0	-2
TOTAL	1165	147	1	68	32	13	15	1441

[&]quot;Role of National Mapping, Cadastre and Land Registry Authorities in Resilience and Recovery program"









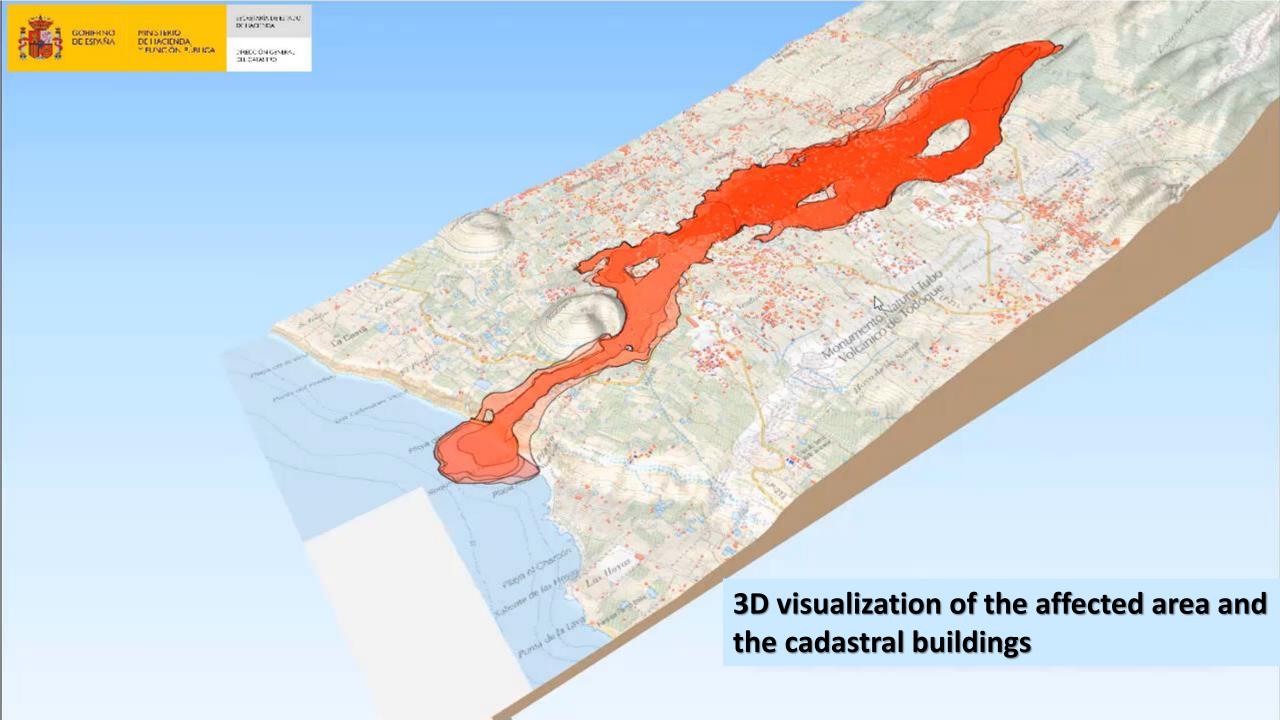
	LOS LLANOS DE ARIDANE (24)		EL PASO (27)		TAZACORTE (45)			
CROPS	Number of parcels	Area (m²)	Number of parcels	Area (m2)	Number of parcels	Area (m2)	TOTAL number of parcels	TOTAL area (m²)
Almond trees	2	5512	3	2506			5	8018
Irrigated fruit trees	4	10587	7	3668			11	14255
Fruit trees					1	355	1	355
Tropical and subtropical fruit trees	96	131465	6	7203	4	31080	106	169748
Reservoirs	1	59					1	59
Rivers			2	515	1	49382	3	49897
Irrigated huerta	24	24310			1	260	25	24570
Unproductive	509	164541	212	96970	176	24176	897	285687
Flower greenhouses	4	5463					4	5463
Vegetable greenhouses	6	6889					6	6889
Irrigated arable land	58	61300	61	39780	2	9507	121	110587
Non-irrigated arable land	19	20190	17	11198	4	21228	40	52616
Scrub	2	747					2	747
Scrubland			1	141			1	141
Pastures	2092	3674251	712	1340056	236	388070	3040	5402377
Timber pine			20	101182			20	101182
Irrigated banana plantations	211	466387			600	1348412	811	1814799
Communication road	19	54432	46	64624	34	80229	99	199285
Rainfed vineyard	11	7424	273	477737			284	485161
Others / No data	534	557374	199	28186	140	36494	873	622054
TOTAL	3592	5190931	1559	2173766	1199	1989193	6350	9353890

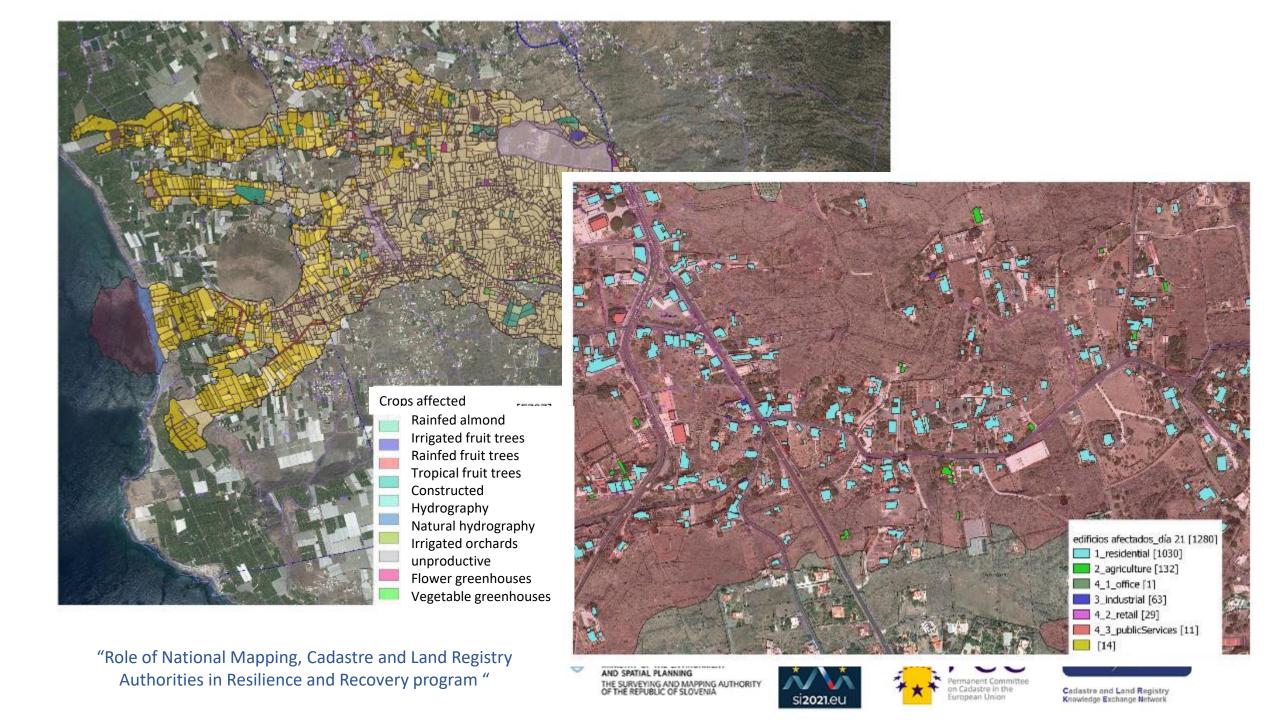














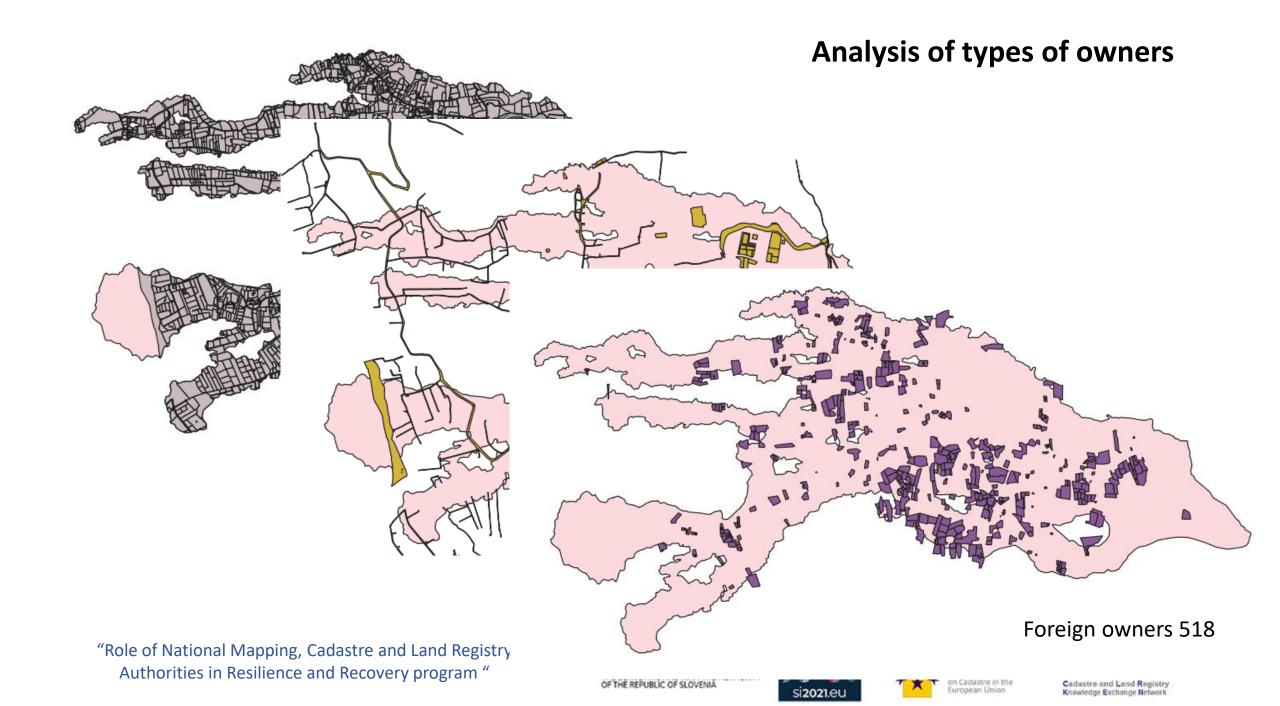
"Role of National Mapping, Cadastre and Land Registry Authorities in Resilience and Recovery program"













BOLETÍN OFICIAL DEL ESTADO



Núm. 239

Miércoles 6 de octubre de 2021

Sec. I. Pág. 122061

I. DISPOSICIONES GENERALES

JEFATURA DEL ESTADO

Real Decreto-ley 20/2021, de 5 de octubre, por el que se adoptan medidas urgentes de apoyo para la reparación de los daños ocasionados por las erupciones volcánicas y para la reconstrucción económica y social de la isla de La Palma.

Royal Decree-Law 20/2021, of October 5, which adopts urgent support measures to repair the damage caused by the volcanic eruptions and for the economic and social reconstruction of the island of La Palma.









Artículo 29. Medidas en materia catastral.

2. La Dirección General del Catastro habilitará en la Isla de la Palma un servicio de atención al público en materia catastral. Dicho servicio se atenderá de manera telemática y presencial con cita previa, para facilitar gestiones y certificaciones en la Isla, así como cualquier otro asunto relacionado con el Catastro. Este servicio reforzará al ya prestado por la Oficina Local de Información de La Palma y los Puntos de Información Catastral existentes en la isla.

Article 29. Measures in Cadastral Matters.

2. The General Directorate of the Cadastre will enable on the Island of La Palma a service of attention to the public in cadastral matters. This service will be attended telematically and in person with previous appointment, to facilitate managements and certifications in the Island, as well as any other matter related to the Cadastre. This service will reinforce the one already provided by the Local Information Office of La Palma and the existing Cadastral Information Points on the island. existing on the island.

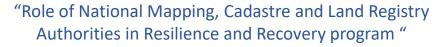


























Avuda Isla de La Palma, Información

Isla de La Palma. Información

Oficinas de Catastro en la isla de La Palma (atención telefónica o presencial, previa obtención de cita):

- Avenida de los Indianos nº10, 38700, Santa Cruz de La Palma. Horario de atención al público 9:00 a 14:00 horas, de lunes a viernes
- Casa Massieu, Pz. Llano Sotomayor nº 31, 38760, Los Llanos de Aridane. Horario de atención al público 9:00 a 14:00 horas, de lunes a viernes

Teléfono para atención al ciudadano y concertar cita previa: 922410060

Correo electrónico de contacto: lapalma.tenerife@catastro.hacienda.gob.es

El RDL 20/2021, de 5 de octubre establece la exención de la tasa de acreditación catastral en la expedición, por parte de la Dirección General del Catastro, de certificaciones sobre inmuebles ubicados en municipios directamente afectados por las erupciones volcánicas acaecidas en la isla de La Palma desde septiembre de 2021.

REPUBLIC OF SLOVENIA MINISTRY OF THE ENVIRONMENT









Massive evacuation. GRID Eurostat 2018. Total population of the island 81.658 Others queries: Tax exemptions; Area covered by ashes; Damage assessment, etc.

