

## BIOGRAPHICAL NOTE

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**The Portuguese cadastral state of art and challenges |**

The National Cadastral Information System

**Session №. 5 | Summary of Questionnaire (Part 4)**

Head Director of Cadastral Information Department at DGT since 2016, Master in Geographic Engineering and Geoinformatics, Specialization in Geographic Information System (University of Lisbon), Degree in Geographic Engineering (University of Coimbra).

At DGT, Head of Cadastral Geometric of Rural Property Division (2015-2016), Head of Acquisition and Maintenance Division for Cadastral Information (2012-2015).

At Portuguese Geographic Institute, Head of Geographic Information Publication Division (2011-2012), Geographer Engineer (2000-2011).

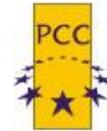
At Army Geographic Institute, Lieutenant Geographer Engineer (1993-2000).

Order of Engineers Member since 1993.



# The National Cadastral Information System

## (Sistema Nacional de informação Cadastral – SNIC)



PCC Conference and Plenary Meeting

**Cadastre - contributions for a low carbon economy and society**

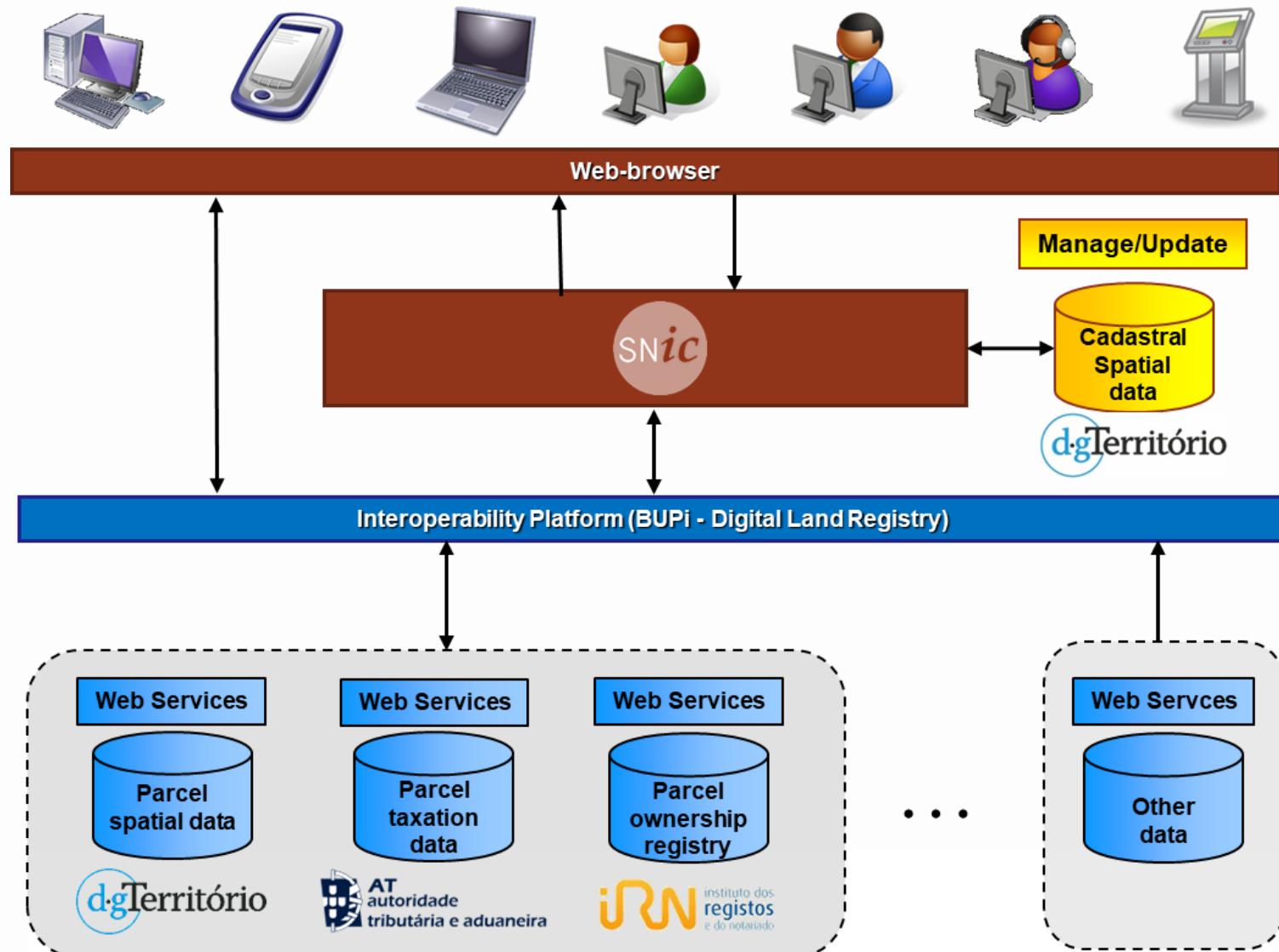
Lisbon, 26 to 27 May 2021



# The National Cadastral Information System



# What is SNIC



# What are we doing

- New framework law (legal regime) of cadastre
- Implement a single cadastre management
- Decentralize cadastral execution and updating cadastral data
- Update and improve cadastre technicians on-line platform



# Cadaster technicians platform

- Cadaster Technicians Platform is available at DGT web page and it is a way to accessing services for cadastre practice and professional activities
- Citizen can access an updated list of qualified cadastre technicians that can carry out their activity on portuguese mainland territory.

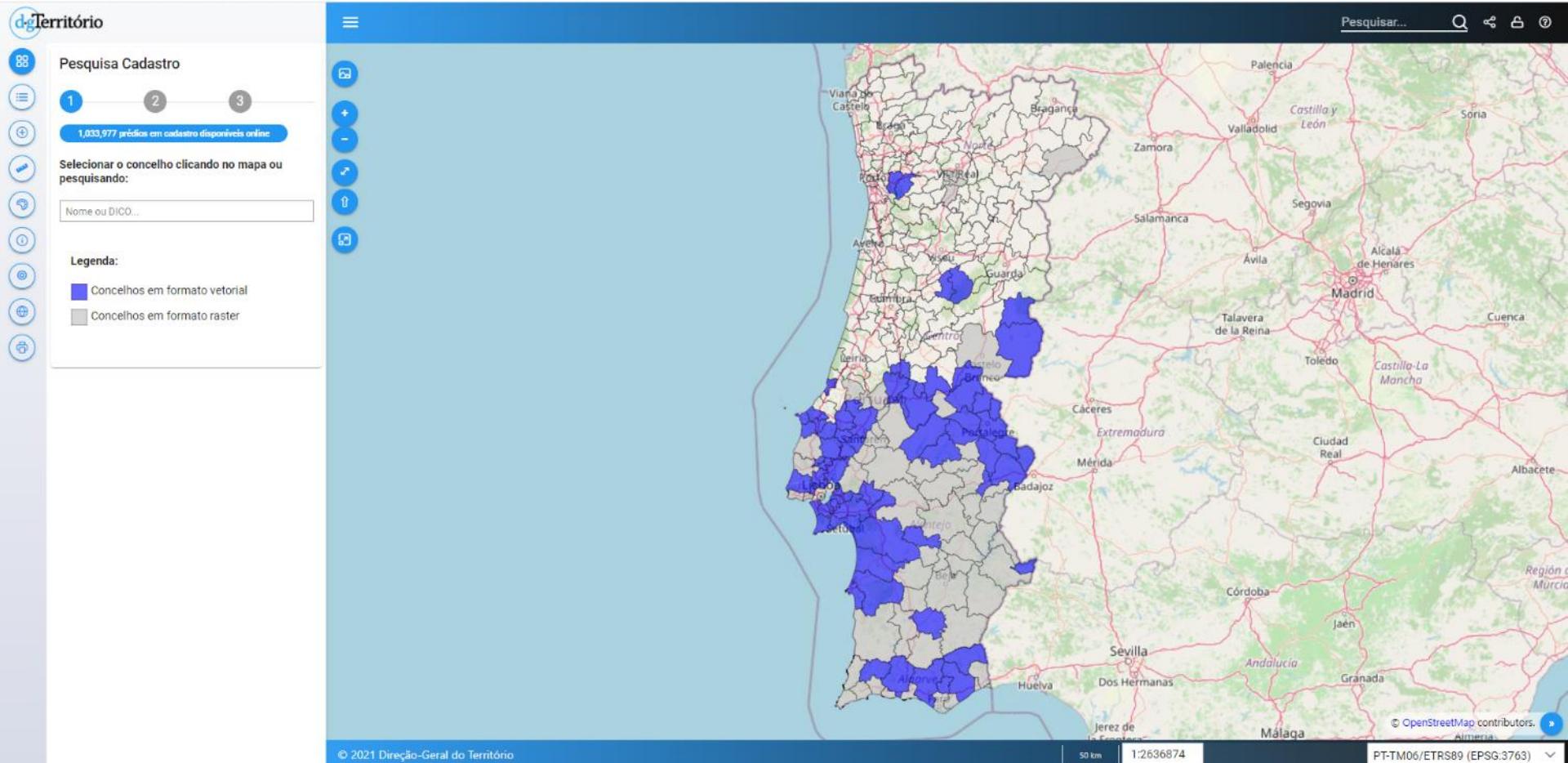


# How we are doing it

- Based on the experience gained
- Supported by new methodologies of authentication, certification, prior control, stakeholder accountability and implementation of continuous inspection systems
- Rationalizing resources
- Designing and materializing new value-added products and services



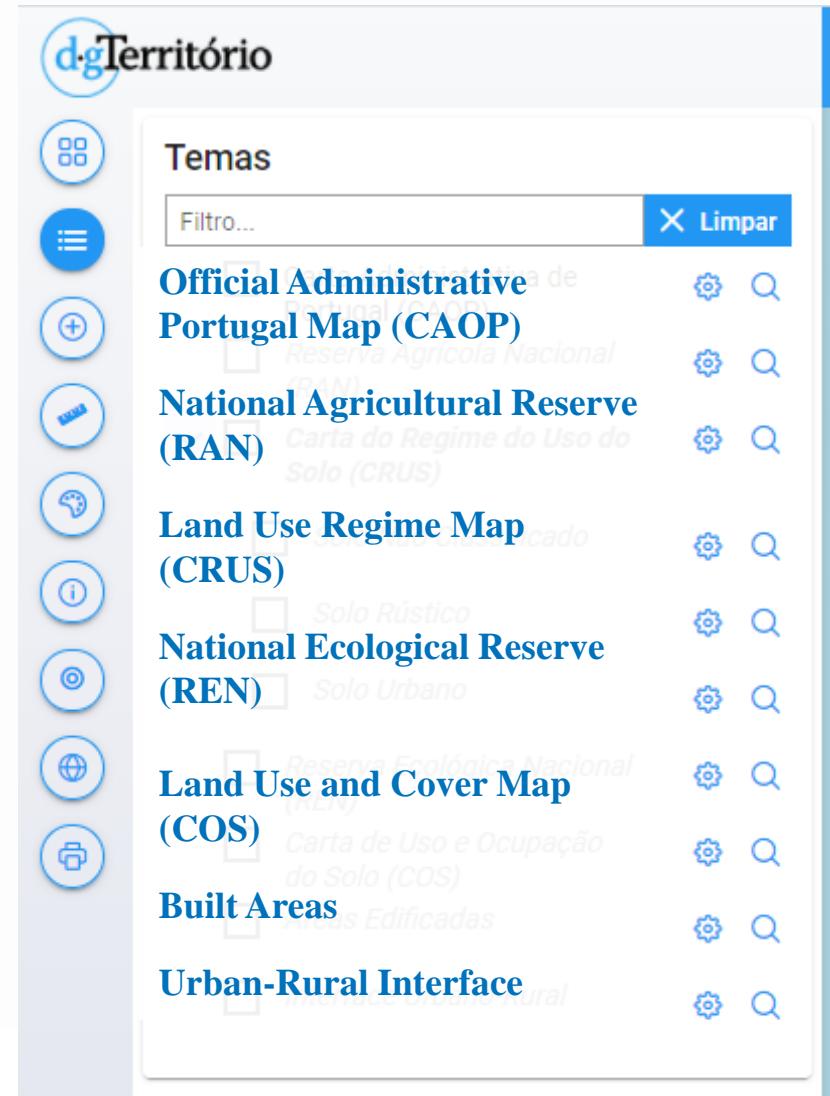
## Cadastral information online viewer



More than 1 million cadastral parcels are currently available online

# Online cadastre viewer (additional themes)

Within the scope of its attributions and competences, Directorate-General already provides a set of web services with relevant information to be used as a reference for analysis simultaneously with the representation of the cadastral parcels



The screenshot shows the dgTerritório online cadastre viewer interface. On the left, there is a vertical sidebar with several icons: a magnifying glass, a map, a list, a plus sign, a barcode, a globe, an info sign, a target, a location pin, and a printer. To the right of the sidebar, the word "dgTerritório" is displayed in a logo. Below this, the word "Temas" is centered above a list of themes. The list includes:

Nome do Tema	Descrição	Ação
Official Administrative Portugal Map (CAOP)	Reserva Agrícola Nacional	Configurar   Buscar
National Agricultural Reserve (RAN)	Carta do Regime do Uso do Solo (CRUS)	Configurar   Buscar
Land Use Regime Map (CRUS)	Solo Rústico	Configurar   Buscar
National Ecological Reserve (REN)	Solo Urbano	Configurar   Buscar
Land Use and Cover Map (COS)	Reserva Ecológica Nacional	Configurar   Buscar
Built Areas	Carta de Uso e Ocupação do Solo (COS)	Configurar   Buscar
Urban-Rural Interface	Interface Urbano Rural	Configurar   Buscar

# Online cadastre viewer (additional themes)

The screenshot shows the dgTerritório online cadastre viewer interface. On the left, a sidebar titled 'dgTerritório' contains a 'Temas' (Themes) section with a 'Filtro...' search bar and a 'Limpar' (Clear) button. The themes listed are: Nº de Prédio (checked), Nº de Secção (checked), Marco de Propriedade (checked), Prédio (checked), Limite de Secção (unchecked), Área Social de Folha (checked), Carta Administrativa de Portugal (CAOP) (checked), Reserva Agrícola Nacional (RAN) (unchecked), Carta do Regime do Uso do Solo (CRUS) (unchecked), Solo Não Classificado (unchecked), Solo Rústico (unchecked), Solo Urbano (unchecked), Reserva Ecológica Nacional (REN) (unchecked), Carta de Uso e Ocupação do Solo (COS) (unchecked), Áreas Edificadas (unchecked), and Interface Urbano-Rural (unchecked). The main area displays a satellite map of a rural landscape with numerous property boundaries outlined in red. Some boundaries are blue, and some contain numerical labels (e.g., 10, 20, 30, 40, 50, 60, 70, 80, 90). A legend in the top right corner includes icons for search, zoom, and user profile. The bottom of the screen shows copyright information: '© 2021 Direção-Geral do Território', 'Blue Marble NASA Earth Observatory / © Ortof 2018 DGT - Direção-Geral do Território', '100 m', '1:4191', and 'PT-TM06/ETRS89 (EPSG:3763)'.

# Online cadastre viewer (other utilities)



**Território**

**Pesquisa Cadastro**

Concelho: LOULÉ  
Código DistritoConcelho: 0808  
Régime de Cadastro: Predial Experimental  
Área de atuação: Lisboa

Selecionar prédio(s) clicando no mapa ou pesquisando:

Nº Declaração  Pesquisar

75019 (93960 m<sup>2</sup>)

Imprimir planta

Voltar  Pontos

**dgTerritório**

Planta de Localização Cadastral

Legenda

- Extensão de Prédio
- Prédio Sócioeconómico

Scenário de Referência PT-TM06/ETRS89  
Data de Referência: 01/01/2018

Escala: 1:5000

Data de Arredondamento: 05/04/2021

100 m 1.5355

Blue Marble NASA Earth Observatory / © Ortofis 2018 DGT - Direção-Geral do Território

PT-TM06/ETRS89 (EPSG:3763)

This viewer platform has features for localization, inquiry, design, loading user themes, web services and printing, with the possibility of crossing several layers of information such as topographic cartography, land use and cover cartography as well as aerial images

## Cadastre business model definition



Nation wide cadastre acquisition  
operations



## Complet SNIC implementation





New challenges

New demands

For any questions or clarifications, feel free to contact  
[paulo.torrinha@dgterritorio.pt](mailto:paulo.torrinha@dgterritorio.pt)



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