



## **Compilation of responses to the questionnaire carried out in preparation for the Belgium PCC Conference and plenary meeting jointly organized with EuroGeographics CLRKEN on 17<sup>th</sup> - 19<sup>th</sup> of June 2023 in Bruges, Belgium.**

The European Union is based on the respect for fundamental rights, the rule of law and democratic values, paving the way for cohesion, the protection of individual freedoms, equality and non-discrimination, and our citizens' well-being. As president of the European Union, Belgium has set itself the ambition of reinforcing the above values by *Strengthening our competitiveness, Pursuing a green and just transition, Protecting our people and borders and Promoting a global Europe.*

The Belgian Cadastre (officially the Measurements and Valuations Administration) within the General Administration of Patrimonial Documentation aims to provide the most accurate patrimonial information possible through cooperation with numerous partners (regions, municipalities, etc.) but also through co-creation with citizens and businesses. Besides being a reliable service provider, the Belgian Cadastre wants to become a strong brand through various online services, but also continue to guarantee a customised service for non-digital users.

The following is a compilation of the various responses from the countries taking part in the PCC conference and plenary meeting.

As you know, the general theme of the next joint conference of the PCC and CLRKEN is :

**Strengthening the Cadastre's competitiveness whilst protecting people and borders.**

The questionnaire consisted of three main parts:

- 1.Cadastral open data vs. General Data Protection Regulation;**
- 2.Real estate valuation methods for tax and other purposes;**
- 3.Use of Artificial Intelligence in the cadastral systems.**

## Participating Countries : 28

Country Code	Country organization	E-mail address
AM	<b>Armenia</b> Cadastre Committee of the Republic of Armenia	International@cadastre.am
AT	<b>Austria</b> Federal Office of Metrology and Surveying	Gerold.pacher@bev.gv.at
BE	<b>Belgium</b> Federal Public Service Finance – General Administration of Patrimonial Documentation	Jolien.neckebroeck@minfin.fed.be
BG	<b>Bulgaria</b> Geodesy, Cartography and Cadastre Agency	Ivanova.L@cadastre.bg
CH	<b>Switzerland</b> Federal Office of Topography swisstopo	Marc.nicodet@swisstopo.ch
CY	<b>Cyprus</b> Department of Lands and Surveys	Ahadjmarkou@dls.moi.gov.cy
CZ	<b>Czechia</b> Czech Office for Surveying, Mapping and Cadastre	Svatava.dokoupilova@cuzk.cz
DE	<b>Germany</b> Adv	Adv.GS@ldbv.bayern.de
DK	<b>Denmark</b> The Danisj Geodata Agency	Piaoe@gst.dk
EE	<b>Estonia</b> Land Board	Priit.kuus@maaamet.ee
ES	<b>Spain</b> Spanish Directorate general for Cadastre	Amalia.velasco@catastro.hacienda.gob.es
FR	<b>France</b> The General Department of Public Finances (DGFIP)	Thomas.guegan@dgfip.finances.gouv.fr
GR	<b>Greece</b> HELLENIC CADASTRE	Plolonis@ktimatologio.gr
HU	<b>Hungary</b> Ministry of Agriculture	Piroska.zalaba@am.gov.hu
IT	<b>Italy</b> Agenzia delle Entrate (Italian Revenue Agency)	Dc.sccpi@agenziaentrate.it
LT	<b>Lithuania</b> State Enterprise Centre of Registers	Dzeineta.Muliule@registrucentras.lt
LU	<b>Luxembourg</b> Administration du Cadastre et de la Topographie	Direction@act.etat.lu
LV	<b>Latvia</b> THE STATE LAND SERVICE OF LATVIA	Vents.Priedolins@vzd.gov.lv
MD	<b>Republic of Moldova</b> Agency for Geodesy, Cartography and Cadastre	Cristina.telpiz-burlac@agcc.gov.md; nadejda.josanu@agcc.gov.md
NL	<b>The Netherlands</b> Cadastre, Land Registry and Mapping Agency (Kadaster)	Martin.salzmnn@kadaster.nl
NO	<b>Norway</b> Norwegian Mapping Authority	Janne.johnsen@kartverket.no
PL	<b>Poland</b> The Head Office of Geodesy and Cartography (GUGiK)	Marcin.grudzien@gugik.gov.pl
PT	<b>Portugal</b> Directorate General for Territory (DGT)	Ptorrinha@dgterriorio.pt
RO	<b>Romania</b> NATIONAL AGENCY FOR CADASTRE AND LAND REGISTRATION	Adriana.poggi@ancpi.ro
SE	<b>Sweden</b> Lantmateriet	Magdalena.andersson@lm.se
SI	<b>Slovenia</b> Surveying and Mapping Authority of the Republic of Slovenia	Franc.ravnihar@gov.si
SK	<b>Slovak Republic</b> Geodesy, Cartography and Cadastre Authority of the Slovak Republic	Dominka.boskova@skgeodesy.sk, lubomira.soltysova@skgeodesy.sk
TR	<b>Turkiye</b> General Directorate of Land Registry and Cadastre	Uyildiz@tkgm.gov.tr, osbaycelebi@tkgm.gov.tr
UA	<b>Ukraine</b> State Service of Ukraine for Geodesy, Cartography and Cadastre	Ir@land.gov.ua

## 1. CADASTRAL OPEN DATA VS. GENERAL DATA PROTECTION REGULATION

➤ Q1.1	Which of the following are open data in your country?	What is the purpose of making the above or other cadastral data open?
AM	Property value, cadastral map, parcel details, property rights	
AT	Property characteristics, cadastral map, parcel details, property rights	European Public Sector Information Directive
BE	Cadastral map, parcel details	In the future, the Belgian Cadastre intends to make more open data available to citizens and businesses to ensure fiscal and documentary transparency.
BG	Property characteristics, cadastral map, parcel details, property rights	EU Directive 2019/1024 High-value Datasets and Decision of the Council of Ministers of the Republic of Bulgaria No. 406 from June 23, 2022 to adoption a list of datasets by priority areas to be published in open format on the open data portal
CH	It depends on the canton: 18 YES / 8 NO (cadastral map and parcel details)	
CY	Property characteristics, cadastral map, parcel details, property value	To increase transparency, accountability and accessibility. It allows professionals, the public researchers to use the data, add value e.g. by developing new applications. Open data can also lead government to increase efficiency and effectiveness in operations, foster economic growth and collaboration across different sectors
CZ	Property characteristics, cadastral map, parcel details, property rights	Data are available based on the Cadastral Law
DE	Cadastral map, parcel details  <u>Remarks :</u>  Parcel Number is not open in Bavaria as it is considered to be personal related data.	Some Laender already have an open data policy since a couple of years. The PSI-directive forced the remaining Laender to open their HVD cadastral data until 9/6/24.
DK	Property characteristics, cadastral map, parcel details, property value, property rights	Easily accessible data creates value for both public authorities and private businesses/individuals
EE	Property characteristics, cadastral map, parcel details, property value	Property value = cadastral value
ES	Property characteristics, cadastral map, parcel details, property value, property rights	Our data it is very useful for many purposes and boost the economy.  We found it a contradiction to seek economic compensation for access to cadastral information when our public task is to collect the data anyway for purposes of fiscal control.  We consider that the data is not ours, it is of everybody.  Moreover, we have stated that the increase in transparency of the system has resulted in many users telling it about errors in the data or potential

		improvements, thus improving the quality of the data with the users' feedback.
<b>FR</b>	Cadastral map, parcel details	
<b>GR</b>	Cadastral map, parcel details	Free use in other applications. Use of those authoritative data as a base reference to other tasks related to geospatial planning and monitoring.
<b>HU</b>		In Hungary land registry data are available for anyone upon request online or by the land offices. The land registry is public, and the citizens may get information about the content of the property sheets without limitation. Anybody can view it for free, may write notices of it or may request authenticated copies. The use of identity data (e. g. owner's name) of a natural person to query is only permitted for the courts, the attorney's office or the investigating authorities, for certain official tasks indicated in the Act, or for the inheritance procedures at the public notary. But it is prohibited in any other case. An administration servicing fee is due for data servicing, as provided by the law. The law can stipulate personal or objective exemption from paying fees. Cadastral maps are also available for anyone but for fee.
<b>IT</b>		
<b>LT</b>	Property characteristics, cadastral map, parcel details, property value, property rights	For satisfying the public and user needs.
<b>LU</b>	Cadastral map, parcel details	EU Directives INSPIRE, PSI and HVD-Implementation Act
<b>LV</b>	Cadastral map, parcel details, property characteristics, property value	Opening up data to the public allows it to be used more widely not only by public administrations but also by the private sector, enabling businesses to create new electronic services and products, thus ensuring the re-use of information held at public administration level.
<b>MD</b>	Cadastral map, parcel details, property rights, property characteristics, property value	
<b>NL</b>	Cadastral map, property value	The cadastral map is an index map and therefore primarily meant to provide access to the cadastral registration and orientation (overview). Moreover the map itself is seen as an element of the National Spatial Data Infrastructure.
<b>NO</b>	Cadastral map, parcel details	<i>Property characteristics</i> : For buildings usable area and numbers of bedroom etc. are not open data. Among our open datasets are topographical land data (N50, N100, N250, N500, N1000, N2000 and N5000), property data, administrative/ property boundaries, road networks including addresses, national elevation models, place name data, historical maps, marine geospatial data, hiking trails and official addresses.
<b>PL</b>	Cadastral map, parcel details, property characteristics	Facilitation of access and use of cadastral data by citizens and business.
<b>PT</b>	Cadastral map, parcel details, property characteristics	Facilitate access and increase transparency and security in real estate trade.

<b>RO</b>	Cadastral map, parcel details, property rights, property characteristics	The purpose of publishing the previously selected cadastral data is to facilitate the access of citizens and all public and private law entities to general information regarding the properties registered in the Integrated Cadastre and Land Book System and to the spatial data sets available through the INIS geoportal (National Infrastructure for Spatial Information), in order to better inform them, as well as in order to support their the policies and decisions in the fields in which they operate.
<b>SE</b>		Transparent property market e.g. Lantmäteriet is working on the implementation of the HVD, will be implemented latest by February 2025.
<b>SI</b>	Cadastral map, parcel details, property rights, property characteristics, property value	Open user access to all data.
<b>SK</b>	Cadastral map	We would like to make our national law conforming to EU legislation.
<b>TR</b>	Cadastral map	The reason behind the millions of daily queries to the parcel inquiry system (parselsorgu.gov.tr) is that cadastral data, including boundaries, definitive information (such as province, district, neighborhood, intended use, and surface area), serves as essential base data for all parties with an interest in real properties, including individuals, the private sector, and the public sector.
<b>UA</b>	Cadastral map, parcel details, property rights, property characteristics, property value	Data on alienated agricultural land plots are made public in accordance with Article 25 of the Law of Ukraine "On Land Valuation". The State Land Cadastre is maintained for the purpose of providing information to state authorities and local self-government bodies, individuals and legal entities in: regulating land relations; management of land resources; organization of rational use and protection of land; implementation of land management; land assessment; formation and maintenance of urban cadastre, cadastres of other natural resources; settlement fees for land.

➤ Q1.2	How can citizens and businesses access the following data?
<b>AM</b>	<p><u>Parcel details</u> : On the cadastral map, online portal, Cadastre's website, request by e-mail, request on paper</p> <p><u>Property rights</u> : On an online portal, Cadastre's website, request on paper</p> <p><u>Property characteristics</u> : On an online portal, Cadastre's website, request on paper</p> <p><u>Property value</u> : On an online portal, Cadastre's website, request on paper</p>
<b>AT</b>	<p><u>Parcel details</u> : On the cadastral map, online portal, Cadastre's website, request by e-mail, request on paper</p> <p><u>Property rights</u> : On an online portal, Cadastre's website, request on paper, request by e-mail</p> <p><u>Property characteristics</u> : On an online portal, Cadastre's website, request on paper, cadastral map, request by e-mail</p> <p><u>Property value</u> : On an online portal, request by e-mail, request on paper</p>
<b>BE</b>	<p><u>Parcel details</u> : On the cadastral map, online portal, request by e-mail, request on paper</p> <p><u>Property rights</u> : On an online portal, request on e-mail, request on paper</p> <p><u>Property characteristics</u> : On an online portal, request on e-mail, request on paper</p> <p><u>Property value</u> : On an online portal, request on e-mail, request on paper</p>
<b>BG</b>	<p><u>Parcel details</u> : On the cadastral map, online portal, Cadastre's website</p> <p><u>Property rights</u> : Cadastre's website</p> <p><u>Property characteristics</u> : Cadastre's website</p>
<b>CH</b>	<p><u>Parcel details</u> : On the cadastral map, online portal, Cadastre's website</p> <p><u>Property rights</u> : Request by e-mail, request on paper</p> <p><u>Property characteristics</u> : Request by e-mail, request on paper</p> <p><u>Property value</u> : Other = Property value is only accessible to the owner and to the taxation authorities</p>
<b>CY</b>	<p><u>Parcel details</u> : On an online portal, Cadastre's website</p> <p><u>Property rights</u> : On an online portal, Cadastre's website, request by e-mail</p> <p><u>Property characteristics</u> : On the cadastral map, online portal, Cadastre's website, request by e-mail, request on paper</p> <p><u>Property value</u> : On an online portal, Cadastre's website, request by e-mail, request on paper, other</p>
<b>CZ</b>	<p><u>Parcel details</u> : On the cadastral map, online portal, Cadastre's website, request by e-mail, request on paper</p> <p><u>Property rights</u> : On the cadastral map, online portal, Cadastre's website, request by e-mail, request on paper</p> <p><u>Property characteristics</u> : On the cadastral map, online portal, Cadastre's website, request by e-mail, request on paper</p> <p><u>Property value</u> : On an online portal, Cadastre's website, request by e-mail, request on paper, other</p>
<b>DE</b>	<p><u>Parcel details</u> : On the cadastral map, online portal, Cadastre's website, request by e-mail, request on paper, other</p> <p><u>Property rights</u> : Request on paper, other, online Portal (but with high level of restrictions - <a href="https://www.grundbuch-portal.de/stufe1-by.htm">https://www.grundbuch-portal.de/stufe1-by.htm</a>)</p> <p><u>Property characteristics</u> : Request on paper, other</p>

	<u>Property value</u> : Request on paper, other, on an online portal (only for standardised land value)
<b>DK</b>	<u>Parcel details</u> : On the cadastral map, online portal, Cadastre's website <u>Property rights</u> : On an online portal <u>Property characteristics</u> : On an online portal <u>Property value</u> : On an online portal
<b>EE</b>	<u>Parcel details</u> : On the cadastral map, online portal, Cadastre's website, request by e-mail, request on paper <u>Property rights</u> : Request by e-mail, online portal, request on paper <u>Property characteristics</u> : On the cadastral map, online portal, Cadastre's website, request by e-mail, request on paper <u>Property value</u> : On the cadastral map, online portal, Cadastre's website, request by e-mail, request on paper
<b>ES</b>	<u>Parcel details</u> : On the cadastral map, online portal, Cadastre's website, request by e-mail, request on paper, other <u>Property rights</u> : On the cadastral map, online portal, Cadastre's website, request by e-mail, request on paper, other <u>Property characteristics</u> : On the cadastral map, online portal, Cadastre's website, request by e-mail, request on paper, other <u>Property value</u> : On the cadastral map, online portal, Cadastre's website, request by e-mail, request on paper, other
<b>FR</b>	<u>Parcel details</u> : On the cadastral map, request by e-mail, request on paper <u>Property rights</u> : Request by e-mail, request on paper <u>Property characteristics</u> : Request by e-mail, request on paper <u>Property value</u> : Request by e-mail, request on paper, other
<b>GR</b>	<u>Parcel details</u> : On an online portal, Cadastre's website, request by e-mail, request on paper <u>Property rights</u> : On an online portal, Cadastre's website, request by e-mail, request on paper <u>Property characteristics</u> : On an online portal, Cadastre's website, request by e-mail, request on paper <u>Property value</u> : On an online portal, Cadastre's website, request by e-mail, request on paper
<b>HU</b>	<u>Parcel details</u> : On the cadastral map, online portal, request on paper <u>Property rights</u> : On an online portal, request on paper <u>Property characteristics</u> : On an online portal, request on paper <u>Property value</u> : On the cadastral map, online portal, Cadastre's website, request by e-mail, request on paper
<b>IT</b>	<u>Parcel details</u> : On the cadastral map, online portal, Cadastre's website, other <u>Property rights</u> : On an online portal, Cadastre's website, other <u>Property characteristics</u> : On an online portal, Cadastre's website, other <u>Property value</u> : On an online portal, Cadastre's website, other
<b>LT</b>	<u>Parcel details</u> : On the cadastral map, online portal, Cadastre's website, request by e-mail, request on paper

	<u>Property rights</u> : On the cadastral map, online portal, Cadastre's website, request by e-mail, request on paper <u>Property characteristics</u> : On an online portal, Cadastre's website, request by e-mail, request on paper <u>Property value</u> : On an online portal, Cadastre's website, request by e-mail, request on paper
<b>LU</b>	<u>Parcel details</u> : On an online portal <u>Property rights</u> : Other <u>Property characteristics</u> : Request by e-mail
<b>LV</b>	<u>Parcel details</u> : On the cadastral map, online portal, request by e-mail, request on paper <u>Property rights</u> : On an online portal, request by e-mail, request on paper, other <u>Property characteristics</u> : On an online portal, request by e-mail, request on paper, other <u>Property value</u> : On an online portal, request by e-mail, request on paper, other
<b>MD</b>	<u>Parcel details</u> : On an online portal, Cadastre's website, request on paper <u>Property rights</u> : On an online portal, request on paper <u>Property characteristics</u> : On an online portal, Cadastre's website, request on paper <u>Property value</u> : On the Cadastre's website, request by e-mail, request on paper
<b>NL</b>	<u>Parcel details</u> : On the cadastral map, online portal <u>Property rights</u> : On an online portal, request by e-mail <u>Property value</u> : On an online portal, other
<b>NO</b>	<u>Parcel details</u> : On the cadastre's website, request by e-mail, request on paper <u>Property rights</u> : On the cadastre's website, request by e-mail, request on paper <u>Property characteristics</u> : On the cadastre's website, request by e-mail, request on paper <u>Property value</u> : On the cadastre's website, request by e-mail, request on paper
<b>PL</b>	<u>Parcel details</u> : On the cadastral map, online portal, request by e-mail, request on paper <u>Property rights</u> : On an online portal, request on paper <u>Property characteristics</u> : On the cadastral map, online portal, request by e-mail, request on paper <u>Property value</u> : On an online portal, request by e-mail, request on paper
<b>PT</b>	<u>Parcel details</u> : On the cadastral map, online portal, Cadastre's website, request by e-mail, request on paper <u>Property rights</u> : On an online portal, request by e-mail, request on paper <u>Property characteristics</u> : On the cadastral map, Cadastre's website, , request on paper, other
<b>RO</b>	<u>Parcel details</u> : On the cadastral map, online portal, Cadastre's website, request by e-mail, request on paper, other <u>Property rights</u> : On the Cadastre's website, request on paper, other <u>Property characteristics</u> : On the cadastral map, Cadastre's website, request on paper, other
<b>SE</b>	<u>Parcel details</u> : On the cadastral map, online portal, Cadastre's website, request by e-mail, request on paper <u>Property rights</u> : On an online portal, Cadastre's website, request by e-mail, request on paper, other <u>Property characteristics</u> : On an online portal, Cadastre's website, request by e-mail, request on paper, other

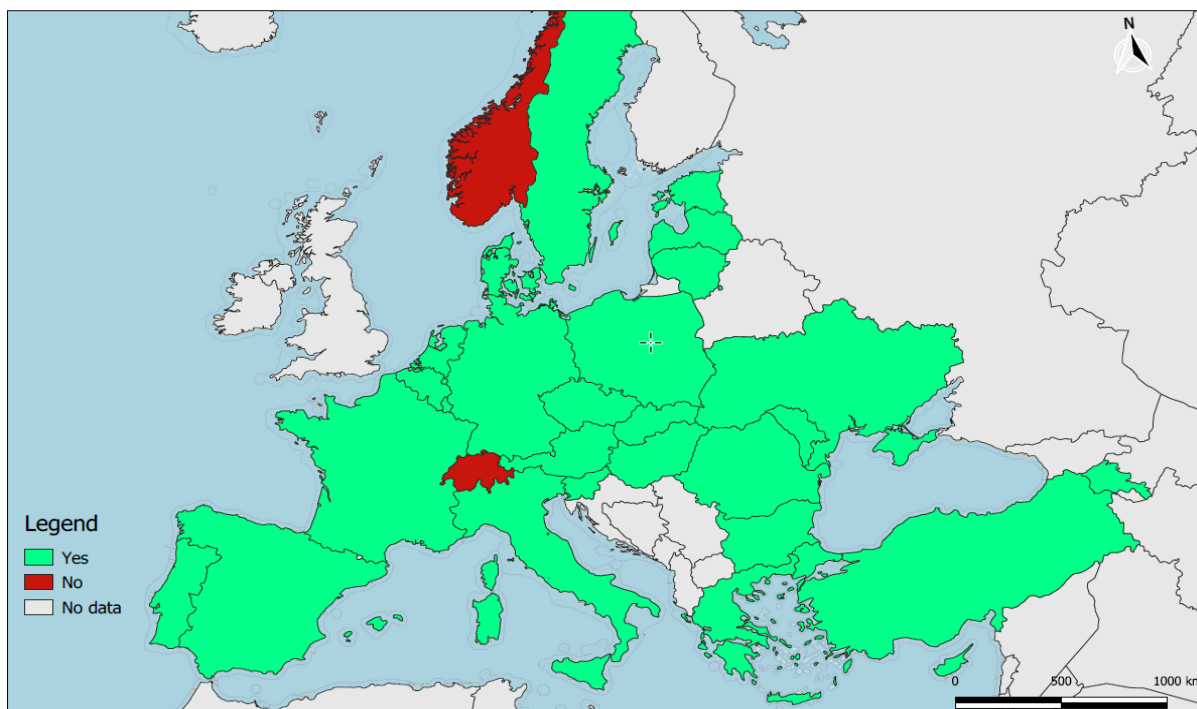


	<u>Property value</u> : On an online portal, Cadastre's website, request by e-mail, request on paper, other
<b>SI</b>	<u>Parcel details</u> : On the cadastral map, online portal, Cadastre's website, request by e-mail, request on paper <u>Property rights</u> : On an online portal, request by e-mail, request on paper <u>Property characteristics</u> : On the cadastral map, online portal, Cadastre's website, request by e-mail, request on paper <u>Property value</u> : On an online portal, request by e-mail
<b>SK</b>	<u>Parcel details</u> : On the cadastral map, online portal, Cadastre's website, request on paper <u>Property rights</u> : On an online portal, Cadastre's website, request on paper <u>Property characteristics</u> : On an online portal <u>Property value</u> : Request on paper
<b>TR</b>	<u>Parcel details</u> : On the cadastral map, online portal, request on paper <u>Property rights</u> : On an online portal, request on paper <u>Property characteristics</u> : On the cadastral map, online portal, request on paper <u>Property value</u> : Request on paper
<b>UA</b>	<u>Parcel details</u> : On the cadastral map, online portal, Cadastre's website <u>Property rights</u> : On the cadastral map <u>Property characteristics</u> : On the cadastral map <u>Property value</u> : On the cadastral map, online portal

### ➤ Q1.3



Does the Cadastre in your country have an online portal for transactions with citizens and businesses?



➤ Q1.4	How can citizens and businesses contact the Cadastral offices?
AM	Through an online portal, through a centralized contact center, one can visit the offices spontaneously, one can visit the offices by appointment, by phone, by e-mail/letter
AT	Through an online portal, through a centralized contact center, one can visit the offices spontaneously, one can visit the offices by appointment, by phone, by e-mail/letter
BE	Through an online portal, through a centralized contact center, one can visit the offices by appointment
BG	Through an online portal, one can visit the offices spontaneously, one can visit the offices by appointment, by phone, by e-mail/letter
CH	Through an online portal, one can visit the offices spontaneously, one can visit the offices by appointment, by e-mail/letter
CY	Through an online portal, through a centralized contact center, one can visit the offices spontaneously, one can visit the offices by appointment, by phone, by e-mail/letter
CZ	Through an online portal, through a centralized contact center, one can visit the offices spontaneously, one can visit the offices by appointment, by phone, by e-mail/letter
DE	Through an online portal, one can visit the offices spontaneously, one can visit the offices by appointment, by phone, by e-mail/letter
DK	Through an online portal, through a centralized contact center, by phone, by e-mail/letter
EE	Through an online portal, one can visit the offices by appointment, by phone, by e-mail/letter, through a centralized contact center, one can visit the office spontaneously
ES	Through an online portal, through a centralized contact center, one can visit the offices spontaneously, one can visit the offices by appointment, by phone, by e-mail/letter
FR	Through an online portal, one can visit the offices spontaneously, one can visit the offices by appointment, by phone, by e-mail/letter
GR	Through an online portal, through a centralized contact center, one can visit the offices spontaneously, one can visit the offices by appointment, by phone, by e-mail/letter
HU	One can visit the offices spontaneously, one can visit the offices by appointment, by phone, by e-mail/letter

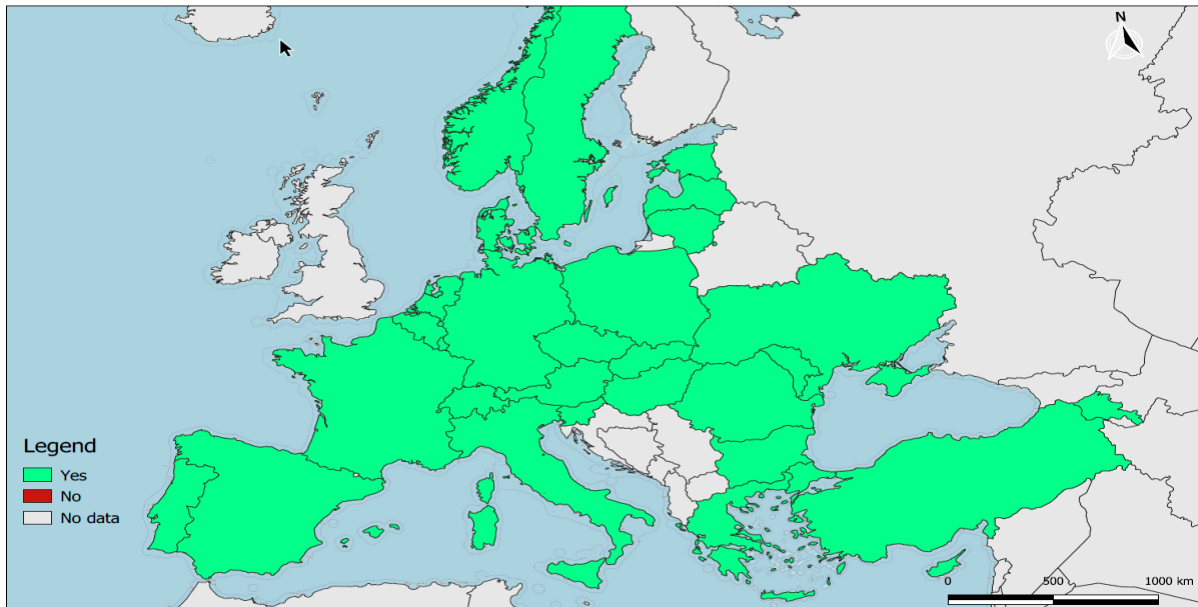
<b>IT</b>	Through an online portal, through a centralized contact center, one can visit the offices spontaneously, one can visit the offices by appointment, by phone, by e-mail/letter
<b>LT</b>	Through an online portal, through a centralized contact center, one can visit the offices spontaneously, one can visit the offices by appointment, by phone, by e-mail/letter
<b>LU</b>	Through an online portal, through a centralized contact center, one can visit the offices spontaneously, one can visit the offices by appointment, by phone, by e-mail/letter
<b>LV</b>	Through an online portal, through a centralized contact center, one can visit the offices by appointment, by phone, by e-mail/letter, other
<b>MD</b>	Through an online portal, through a centralized contact center, one can visit the offices spontaneously, one can visit the offices by appointment, by phone, by e-mail/letter
<b>NL</b>	Through an online portal, through a centralized contact center, one can visit the offices by appointment, by phone
<b>NO</b>	Through an online portal, one can visit the offices by appointment, by phone, by e-mail/letter, through a centralized contact center, one can visit the office spontaneously
<b>PL</b>	Through an online portal, through a centralized contact center, one can visit the offices spontaneously, one can visit the offices by appointment, by phone, by e-mail/letter
<b>PT</b>	Through an online portal, one can visit the offices spontaneously, one can visit the offices by appointment, by e-mail/letter
<b>RO</b>	One can visit the offices spontaneously, one can visit the offices by appointment, by phone, by e-mail/letter
<b>SE</b>	Through an online portal, through a centralized contact center, one can visit the offices by appointment, by phone, by e-mail/letter
<b>SI</b>	Through an online portal, through a centralized contact center, one can visit the offices spontaneously, one can visit the offices by appointment, by phone, by e-mail/letter
<b>SK</b>	Through an online portal, one can visit the offices spontaneously, one can visit the offices by appointment, by phone, by e-mail/letter
<b>TR</b>	Through an online portal, through a centralized contact center, one can visit the offices spontaneously, one can visit the offices by appointment, other
<b>UA</b>	Through an online portal, by e-mail/letter

## 2. REAL ESTATE VALUATION METHODS FOR TAX AND OTHER PURPOSES

### ➤ Q2.1



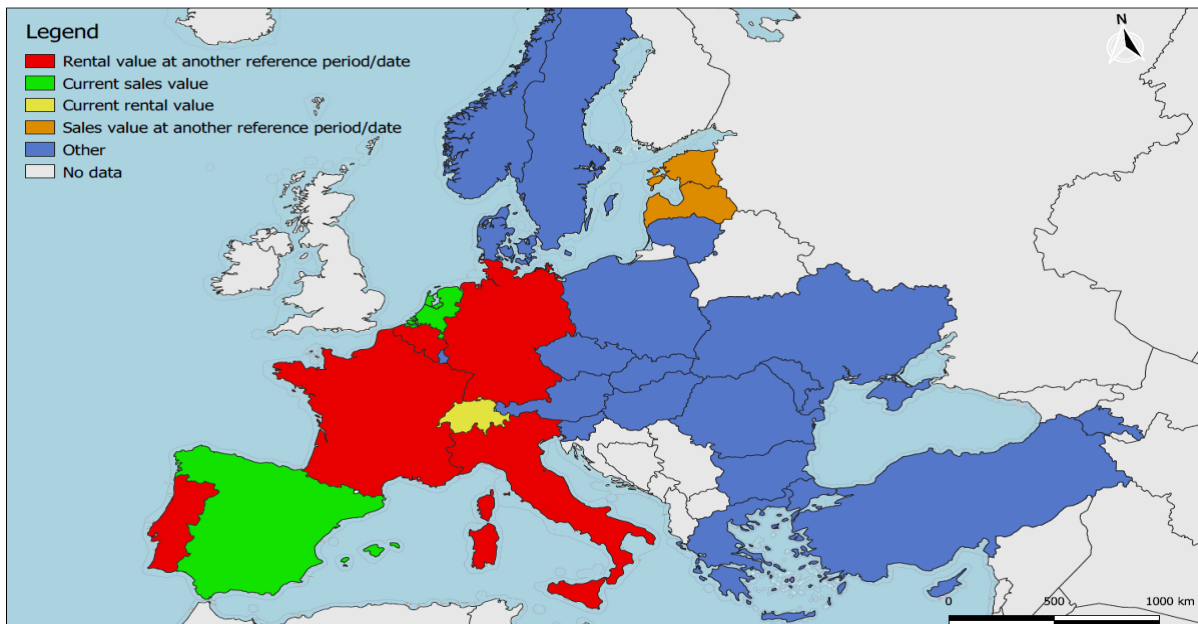
Is there an annual tax on real estate in your country (Property tax) ?



### ➤ Q2.2



On which property value is the calculation of the property tax based?



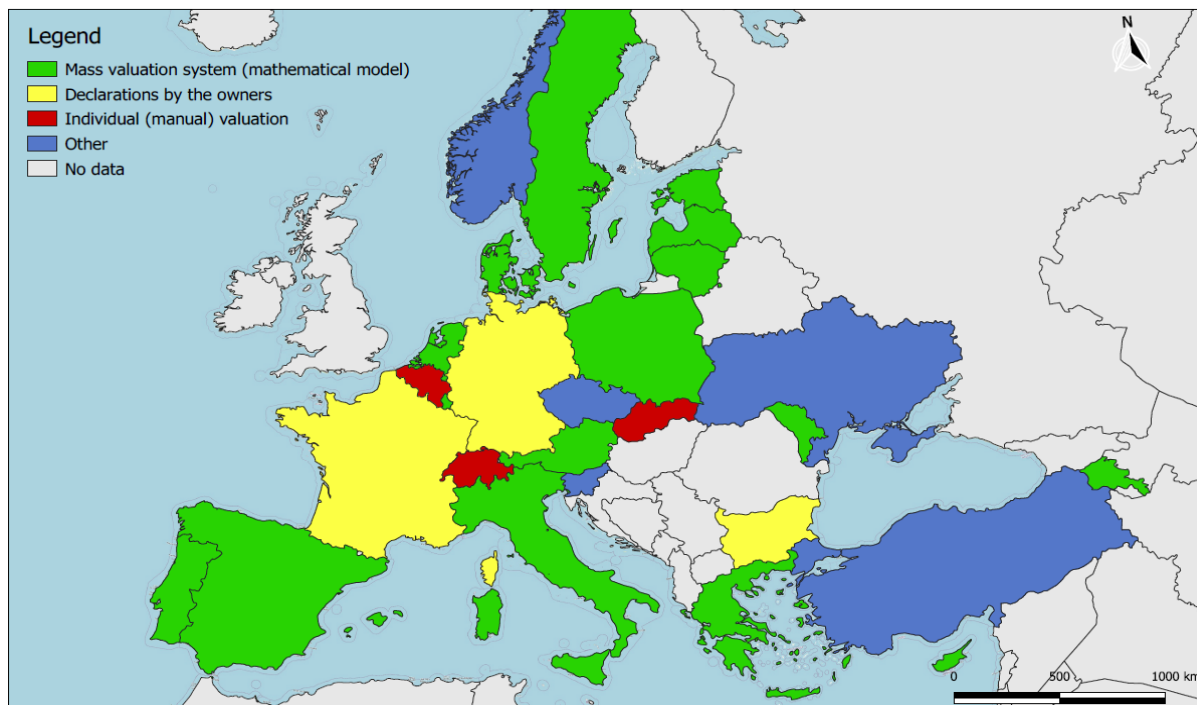
1

<sup>1</sup> **Germany** : Deviating Laender models may only consider the value of land, not of the building, or they consider primarily the size of the property.

➤ **Q2.3**



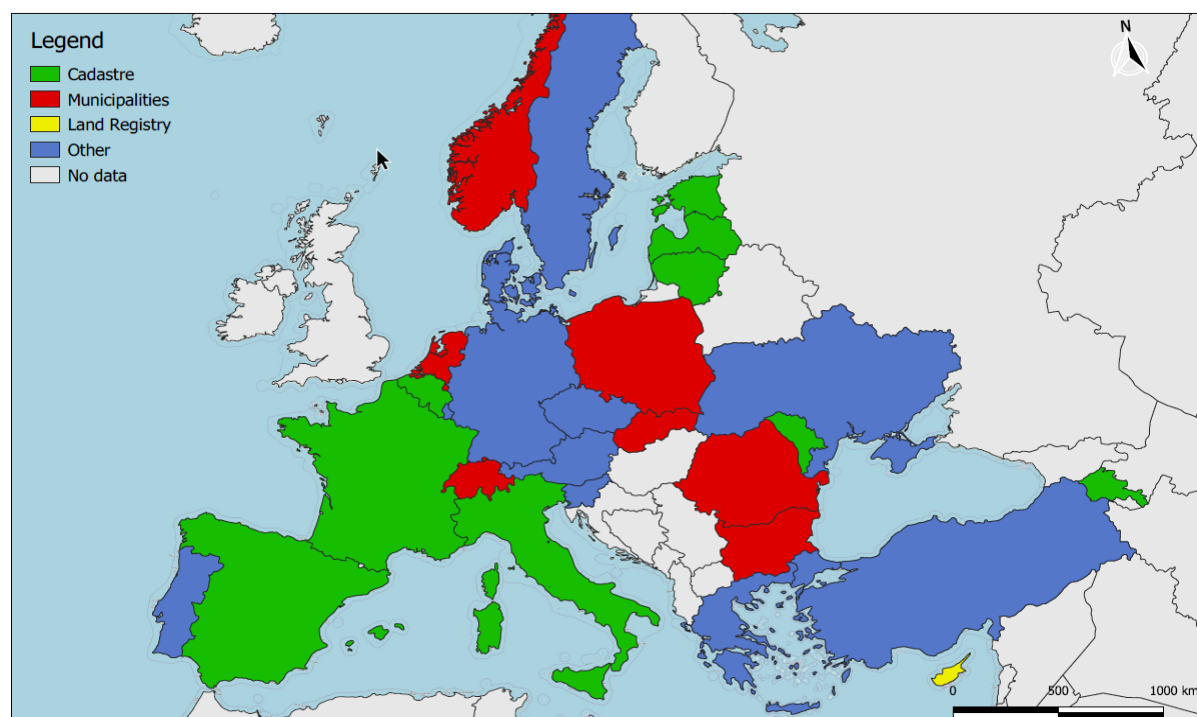
What valuation system is used for valuing properties for property tax purposes?



➤ **Q2.4**



Who is responsible for this valuation?



➤ Q2.5	How often is the property tax base reviewed?	Remarks
AM	Other	Defined by the Tax code, at intervals of three years.
AT	Other	Land Tax base is reviewed following a 9 year cycle. Property Tax is based on reference period from 1973. Taxpayers must report changes to their real estate. Not only alterations of boundaries of parcels as well as shapes of buildings or new constructions of buildings (physical changes of properties) but also changes in the use of the land (semantic changes) must be announced
BE	In case of physical changes to the property	The law requires a review every 10 years, but it is not carried out in practice.
BG	Annually	
CH	In case of physical changes to the property	If there is no change, approximately every 10-15 years.
CY	In case of legal changes to the property (change in rights)	Other : Every three years
CZ	In case of physical changes to the property	Other = In case the property use or borders are changed, it is necessary to count a new tax based on the new data.
DE	Other	Property tax base in general will be reviewed each 7 years
DK	Other	Every 2. Year, and sometimes (rarely) after request
EE	Other	In every 4 years is the value base.  If land information changes (area, land use etc), then new value will be calculated according to value date of mass valuation.
ES	Annually	
FR	In case of physical changes to the property	
GR	Annually	
HU		

<b>IT</b>	In case of physical changes to the property	
<b>LT</b>	In case of physical changes to the property	Real property tax values are recalculated every 5 years.
<b>LU</b>	Annually	
<b>LV</b>	Other	Value zoning and base values (standard price for the particular type of object in value zone at the valuation reference period) must be reviewed at least every four years, but they will only come into force after they are approved by the government. Changes in values are also possible if mathematical models are improved (similarly need to be approved by government). If the property data registered in the Cadastre is corrected, then changes in tax will come in force next taxation year.
<b>MD</b>	In case of physical changes to the property	Article 279 of the Fiscal Code stipulating a review of the property tax base once every three years indicates the legislative framework. However, the implementation of this provision may vary depending on the practices and priorities of the relevant authorities. The general mass valuation was conducted between 2004 and 2012 aimed to assess the values of different types of properties. The ongoing general revaluation process suggests that authorities are actively working to reassess property values to ensure that they remain current and reflective of market conditions.
<b>NL</b>	Annually	
<b>NO</b>	In case of physical changes to the property	
<b>PL</b>	Annually	
<b>PT</b>	In case of legal changes to the property (change in rights)	
<b>RO</b>		There is no rule related to the review.
<b>SE</b>	In case of physical changes to the property, in case of legal changes to the property (change in rights)	Sweden use a cycle-based system for mass valuation and general assessment. Every third year a mass valuation for a certain property category is performed. The property tax is an annual tax. The government has the power to decide and change the property tax if needed.

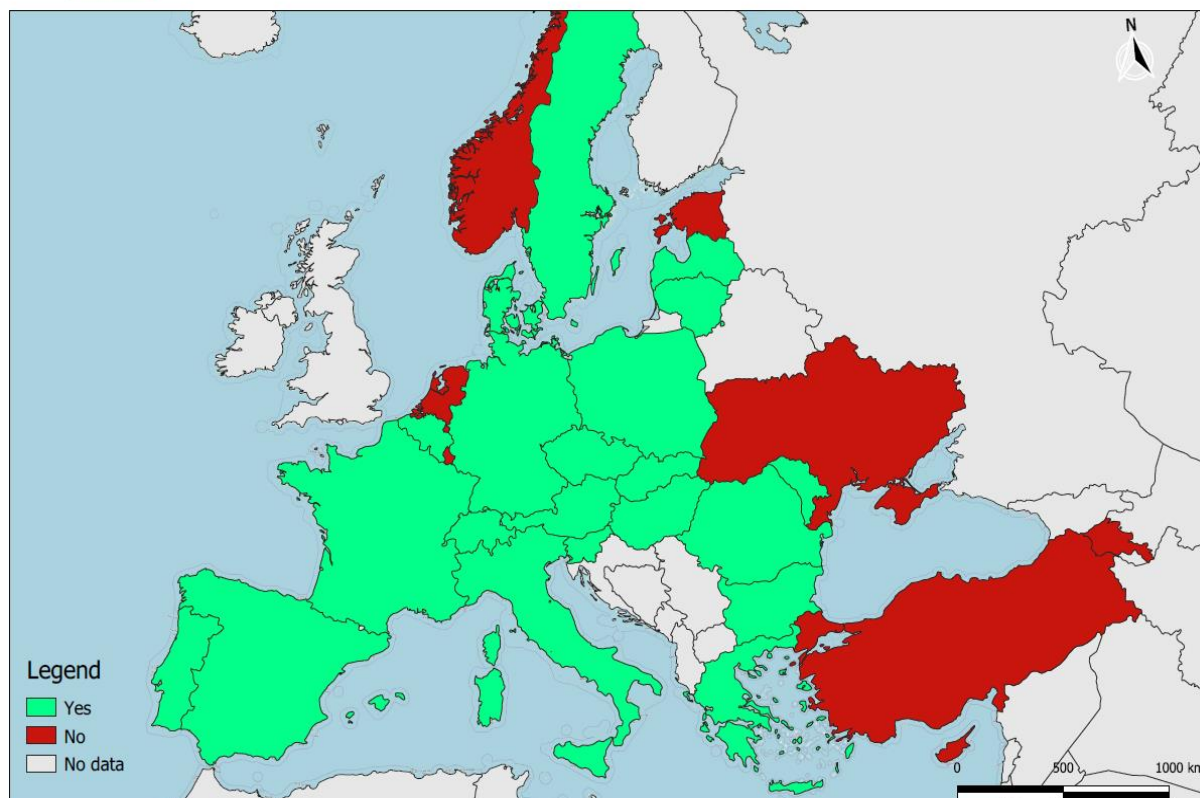


<b>SI</b>	Annually	Mass appraisal act determine two-year period for revaluation. Due to pandemic and other obstacles, current revaluation period in 4-5 year (last data from 2020, next implementation of new values in 2025).
<b>SK</b>	Annually	The municipality determines annually in its generally binding regulation the details of the amount of tax.
<b>TR</b>	In case of physical changes to the property	The valuation frequency for the commissions is 4 years. However, parties must report any physical changes to the property during the intervening periods. In years between re-valuation periods, the inflation rate is also factored into the tax values.
<b>UA</b>	Other	The normative monetary valuation of land is updated on average once every 7 years. At the same time, local self-government bodies can set land fee rates every year.

➤ **Q2.6**



✚ Is the owner obliged to declare any physical changes to his property?





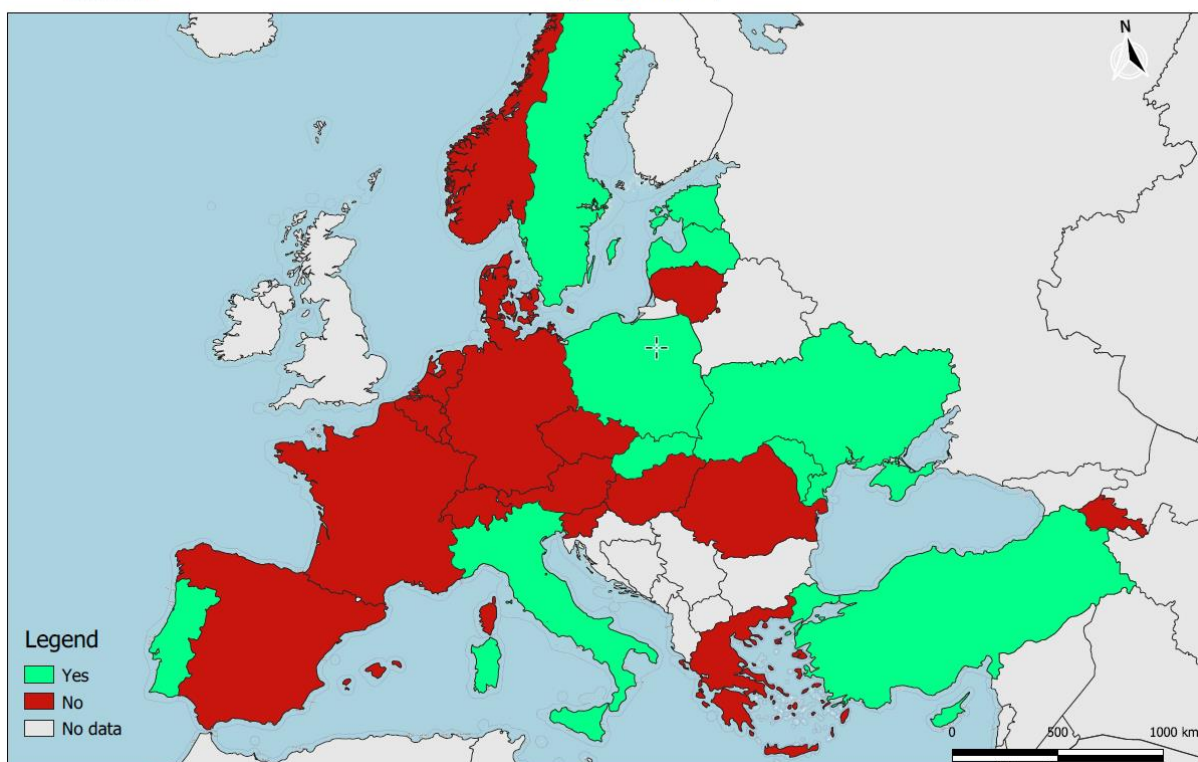
➤ Q2.7	How are physical changes to properties determined?
AM	Other = Based on the plans and building specification data made by qualified surveyors.
AT	Input from the taxpayer, input from the partners, site visits, aerial photographs
BE	Input from the taxpayer, input from the partners, site visits
BG	Input from the taxpayer
CH	Input from the taxpayer
CY	Site visits, aerial photographs, other = local authorities
CZ	Input from the taxpayer, input from the partners, site visits, aerial photographs
DE	Input from the taxpayer, input from the partners, site visits
DK	Input from the taxpayer, input from the partners, aerial photographs
EE	Aerial photographs
ES	Input from the taxpayer, input from the partners
FR	Input from the taxpayer, input from the partners, aerial photographs
GR	Input from the taxpayer
HU	Input from the partners, site visits
IT	Input from the taxpayer, input from the partners, site visits, aerial photographs
LT	Site visits
LU	Other = by cadastral taxation
LV	Input from the taxpayer, input from the partners, site visits, aerial photographs
MD	Input from the taxpayer
NL	
NO	Input from the taxpayer (by annual self-declaration)
PL	Input from the taxpayer, other = based on documentation created by certified surveyors during field measurements.
PT	Input from the taxpayer, input from the partners
RO	Site visits
SE	Input from the taxpayer, input from the partners
SI	Input from the taxpayer, input from the partners, aerial photographs
SK	Input from the taxpayer, input from the partners

TR	Input from the taxpayer, input from the partners
UA	Aerial photographs, other

➤ **Q2.8**



Is there a collaboration with the private sector for valuation of properties?



### 3. USE OF ARTIFICIAL INTELLIGENCE IN THE CADASTRAL SYSTEMS

➤ Q3.1	In your country, does the Cadastre use AI in :
AM	Updating the cadastral map
AT	
BE	
BG	
CH	For the time being, only for research and testing purposes.
CY	Other = Locating new developments (buildings which are not registered in DLS)
CZ	
DE	Updating the cadastral map
DK	
EE	
ES	Updating the cadastral map
FR	The property valuation system, updating the cadastral map
GR	The interaction with citizens/companies/customers
HU	
IT	Updating the cadastral map
LT	
LU	Updating the cadastral map
LV	Updating the cadastral map
MD	
NL	Updating the cadastral map, the interaction with partners
NO	
PL	The interaction with partners
PT	
RO	
SE	The interaction with citizens/companies/customers
SI	The property valuation system, other = We are developing the use of artificial intelligence in the customer service system.

	We are developing processes to integrate artificial intelligence into valuation model calibration processes
SK	
TR	
UA	

➤ Q3.2	If so, by whom were these systems created?
AM	Cadastre
AT	
BE	
BG	
CH	
CY	Cadastre, private sector
CZ	
DE	Cadastre
DK	
EE	
ES	Private sector
FR	<p>Cadastre</p> <p>Private sector = This innovative technology was developed in partnership with external contractors, but is now firmly internalized and mastered by the General Department of Public Finances.</p>
GR	Private sector
HU	
IT	Cadastre
LT	
LU	Private sector
LV	Other = Made jointly with the State established Technology academy
MD	
NL	Cadastre

	Private sector = The system for the cadastral map has been developed in close cooperation with a private sector IT/AI partner
<b>NO</b>	
<b>PL</b>	Private sector = Systems are created by private sector for municipalities.
<b>PT</b>	
<b>RO</b>	
<b>SE</b>	Private sector Other = Private sector, our own staff, and municipal staff for the detection of buildings
<b>SI</b>	Cadastre, private sector Other = Mass valuation office
<b>SK</b>	
<b>TR</b>	
<b>UA</b>	

➤ **Q3.3**



Are there any initiatives to integrate AI into the cadastral system in the future?

