

The economic importance of the Cadaster in Austria

Joint PCC and EuroGeographics CLRKEN Conference

Gävle, June 7-9, 2023

Agenda

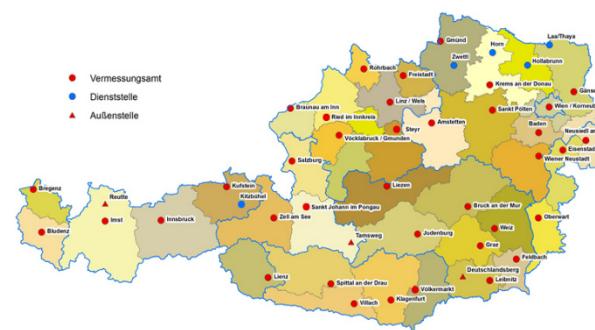
- Main Characteristics of the Cadastre in Austria
- Public- Value Study of the Austrian Institute of Economic Research (WIFO)
- Use of Cadastral information



The Cadastral System of Austria

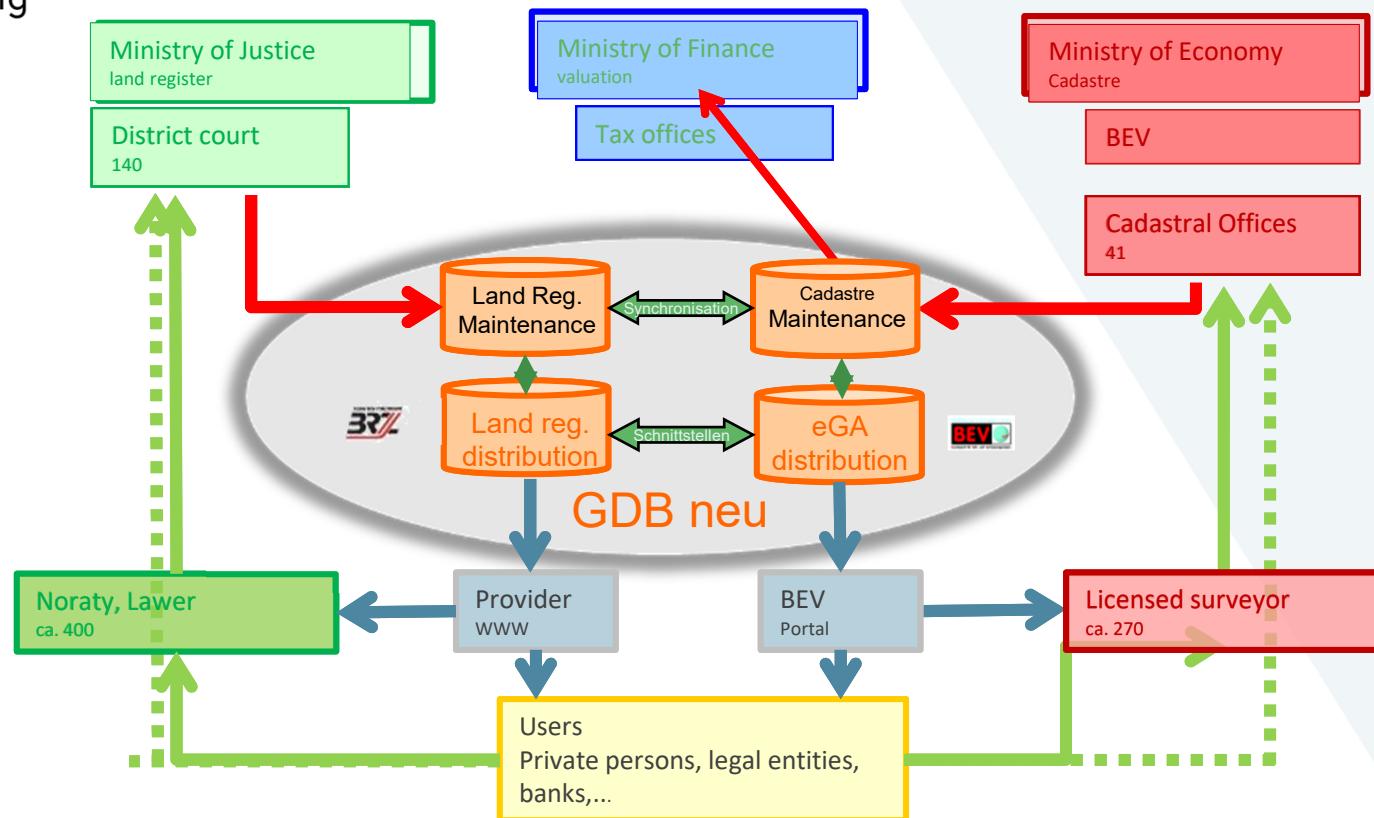
Some facts and figures

- 84 000 km², 9 Mill. Inhabitants
- 2093 municipalities (7850 Cadastral communities)
- 10.2 Mill. Parcels
- BEV
 - 50 local offices (41 + 9)
 - 1000 employees (~ 540 in Cadastre)
- Cadastral Offices
 - ~ 50 000 applications per year
 - more than 100 000 certifications
 - ~ 80 000 business cases
 - more than 600 000 changes of parcels

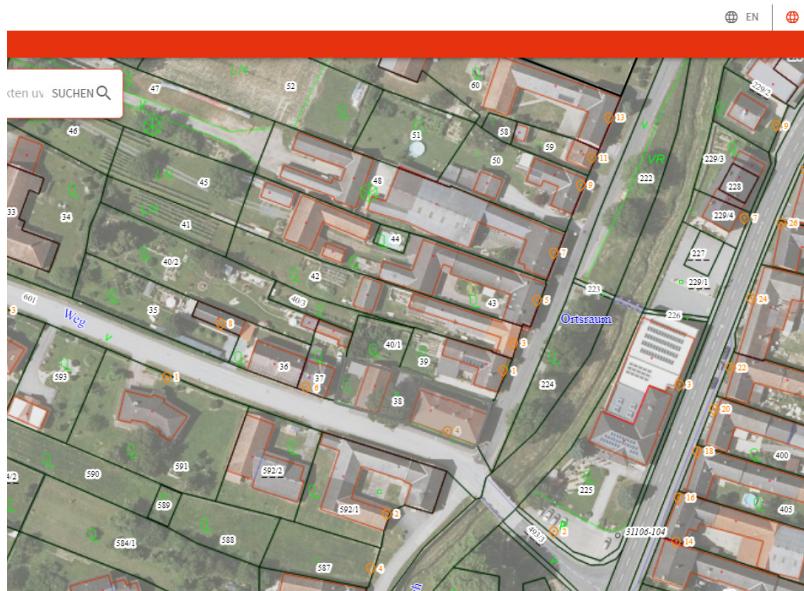


≡ Federal Office
of Metrology and
Surveying

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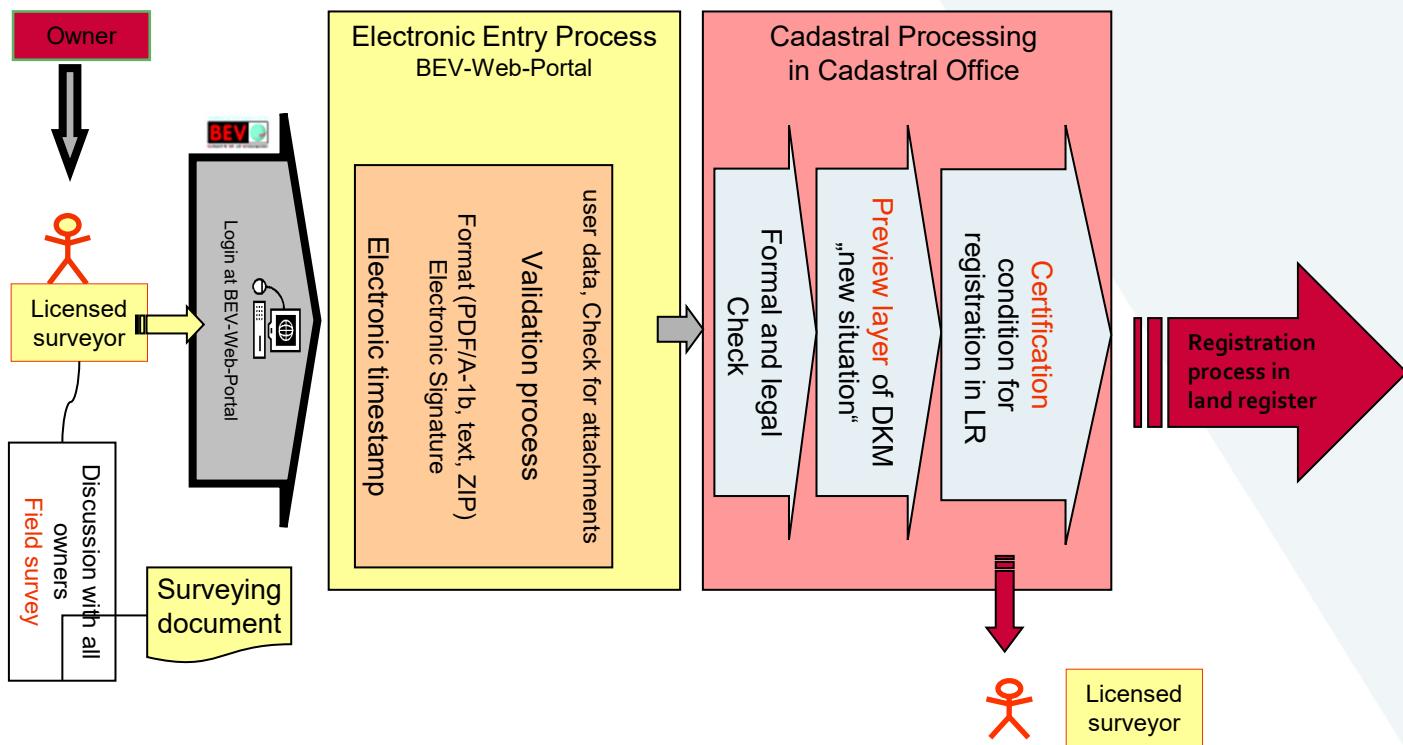
Main characteristics of the Cadastre

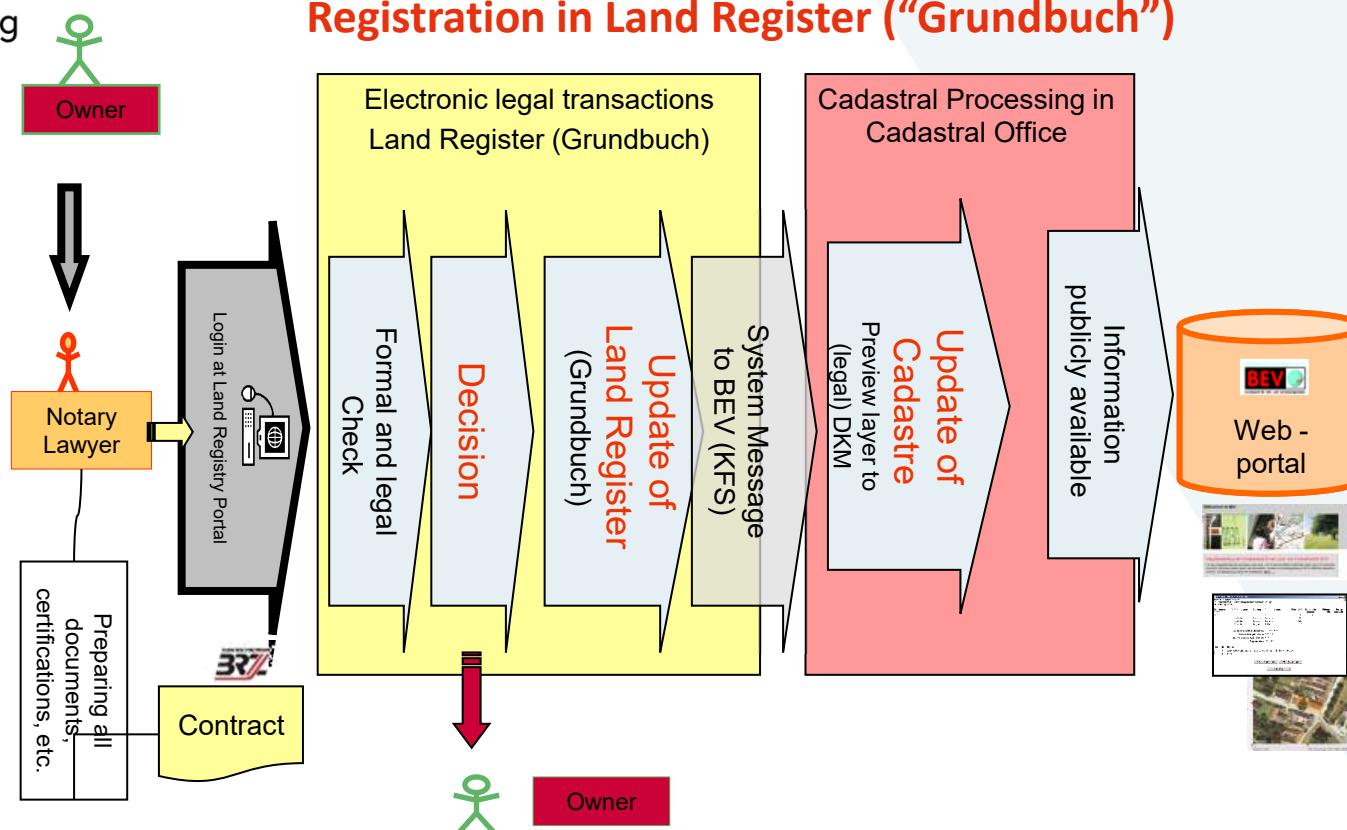


- 100% coverage with parcels (digital)
- Operative Surveying by licensed surveyors
- 18% in “legal border cadaster”
- Digital process from surveyors and between Cadastral Office and Land Register Offices
- Data are public and accessible to everyone
- Full record of any changes concerning parcels since 1883 (Archive with ~ 5 Mill. surveying plans/documents; 89% digitally available)



Certification process in Cadastre





Prosperity and Sustainability- The Cadastral Authorities Role and Contribution

“The economic importance of Metrology and Surveying”

- "Public Value" study of the Austrian Economic Research Institute (WIFO)
- surveyed the social added value that the Federal Office for Metrology and Surveying (BEV) brings to Austria
- How does society, the economy, and every single citizen benefit?



“In total, around 779 000 employees in the sectors listed as examples contribute almost 43 billion euros in added value to Austria's economic output. This corresponds to around 17.6% of total employment or 13% of value added in Austria in 2017.”

Main outcomes

- Many branches of industry benefit from Metrology and surveying
- The Federal Office for Metrology and Surveying provides comprehensive and high-quality geodata and ensures the quality of measurements and measuring instruments
- Especially benefit
 - Agriculture and Forestry, food industry, transport and supply networks, construction and real estate industry

Main outcomes.....

- Geodata play an important basis in around 80 percent of all political, economic and administrative decisions. They are indispensable for digitization, for example when the BEV satellite positioning service APOS is used in precise farming or enables snow groomers to be precisely controlled.
- "The Federal Office for Metrology and Surveying shows how important a reliable state infrastructure is, on which the economy can build and which thereby strengthens the business location!"

Main outcomes

- The BEV offers a lot of important data, such as high-precision geodetic reference systems, aerial photo data, landscape models or land registers. They are an important basis for many decisions in business and administration. The digitization of this and other data is being massively pushed in order to further increase the added value.
- "The Public Value Study more than clearly underlines the role of the BEV as an infrastructure provider, as a reliable and trust-inspiring partner of business and society!"

Economic Importance of the Cadastre

- Important role of the Cadastre for prosperity and sustainability
 - Creates transparency about ownership of real estate
 - Guarantees security of borders of properties
 - Documentation of rights, restrictions, obligations, data for taxation
- Provide state administration with up-to-date data for
 - Regional planning, enables investments and lending, ensure fair and transparent taxation

Documentation of Ownership

- Cadastre and land register as essential part of infrastructure to secure property
- Provide as system with complete, continuously updated, online available documentation of real estates
- Fundament for planning and decision-making for public administration of federal provinces, municipalities and citizens

Use of the Cadastre by state administration

- Large number of administrative processes are supported, the register is constantly accessed
- Used in large number of laws in administration of federal provinces and municipalities
- Information basis for documentation, administration and planning

Use of the Cadastre by state administration

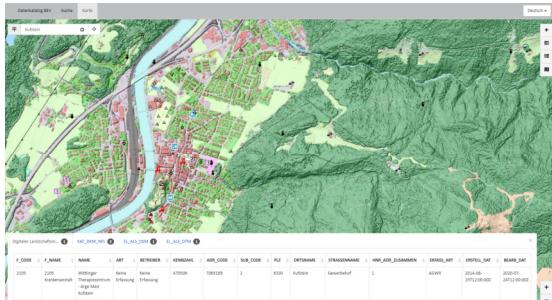
- Road Construction
- Water management
- Spatial planning
- Asset management
- Forestry
- Agriculture and rural areas
- Daily work of municipalities
- Main tasks in connection with cadastre
- Spatial planning and development planning
- Construction works

Benefit

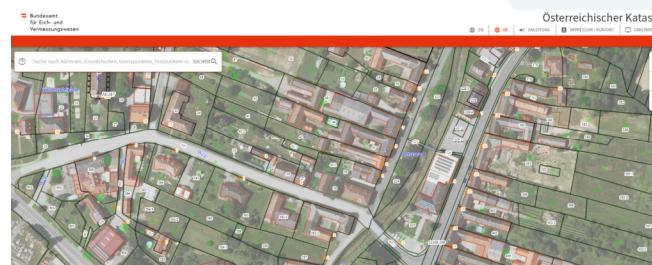
- Guarantee of legal security, protection of confidence and protection of investments
- Protection of public interests through provision of information
- Basis for determining property values
- Basis for taxation



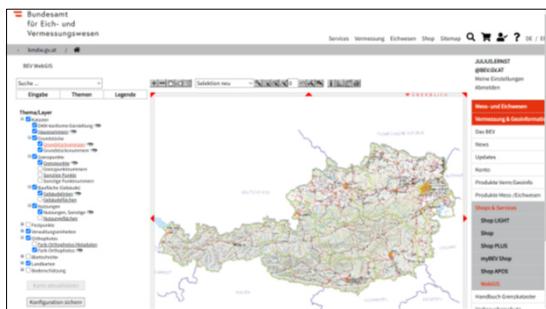
Use of the data/information



Open Data-
free download



Free services



Special products and
service: license and fee

 Bundesamt
für Eich- und
Vermessungswesen

Datenkatalog BEV

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WMS Hohe DGM ALS (EL.ElevationGrid...

WMS Hohe DOM ALS (EL.ElevationGrid...

Kartographisches Modell 1:500 000 V...

Kartographisches Modell 1:250 000 V...

Kartographisches Modell 1:50 000 Ve...

Kartographisches Modell 1:1 000 000 ...

Kartographisches Modell 1:250 000 V...

Kartographisches Modell 1:500 000 V...

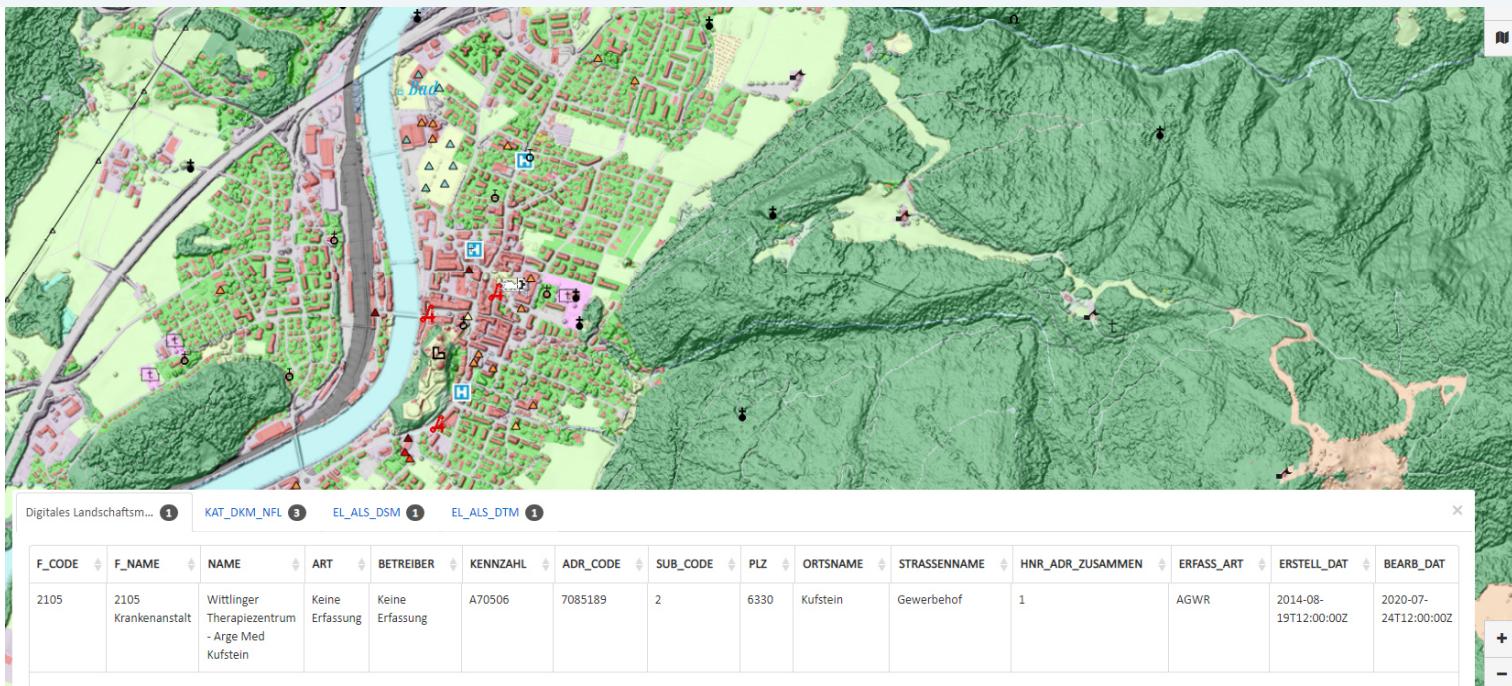
Kartographisches Modell 1:500 000 V...

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Kartographisches Modell 1:50 000 Ve...

Serie Digitales Orthophoto Farbe und ...

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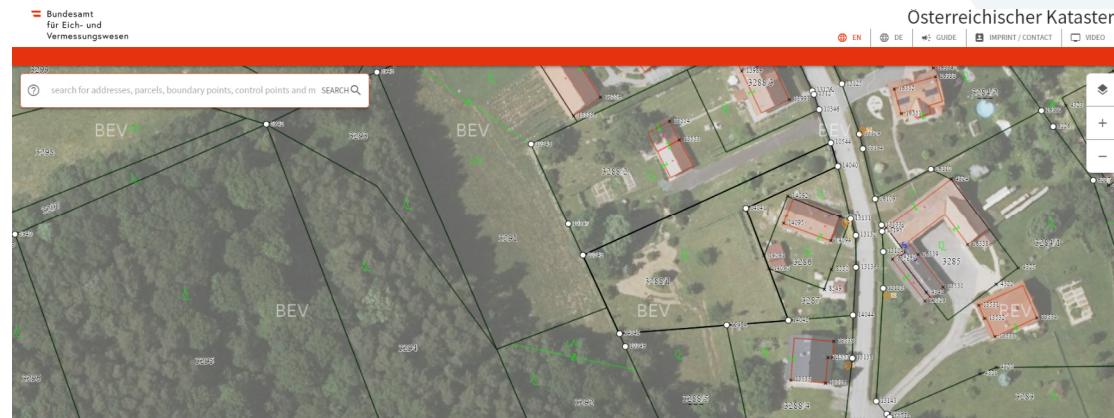


Geoportal data.bev.gv.at

	2021 (*)	2022
Visitors	11.615	36.471
Visits	20.690	73.489
Access (Mio)	2,3	9,6
Data- volume (TB)	8,5	38,6



Cadastre - Service



- daily updated data of the cadaster
- free for everyone to use
- large selection of search options
- German and English
- Various types of representation
 - classic, with orthophoto, GIS, cadaster light
- Owners: only for authorities



detail information			
parcel number:	326		
legal status:	Fiscal Cadastre		
entry number:	206 (GB 31133)		
last change:	update of yield measurement ratio after soil evaluation - 11330/2012/34		
land cover symbol	land cover description	area[m ²]	yield index number
<i>LN</i>	<input checked="" type="checkbox"/> Fields, Meadows or Pastures	10 131	4 604
Total area:		10 131	
Parcel			

SACHDATEN	EIGENTÜMER	GESCHLOSSENE GESCHÄFTSFÄLLE
1	Anteil 1/2 - Dipl.-Ing. Julius Ernst (*1959-02-28) Kirchenstraße 4, 7562 Eltendorf, Österreich	
2	Anteil 1/2 - Mag. Cornelia Ernst (*1961-11-16) Kirchenstraße 4, 7562 Eltendorf, Österreich	

 Federal Office
of Metrology and
Surveying

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	2022 (*)	2023 (bis 6.6)
Access	91.276.938	159.229.679
API requests (Mio)	2,50	8
User	218.052	292.834
Download-Volume (TB)	1,3	2,9

Joint PCC and EG CLREG Conference, Gävle 2023

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 Bundesministerium
Kunst, Kultur,
öffentlicher Dienst und Sport

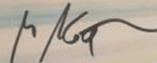
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**Österreichischer
Verwaltungspreis 2023**

Preis in der Kategorie
Innovatives Servicedesign
und digitale Services

Projekt
kataster.bev.gv.at – Der Kataster des Bundesamts
für Eich- und Vermessungswesen

Organisation
Bundesamt für Eich- und Vermessungswesen


Mag. Werner Kogler
Vizekanzler und Bundesminister
für Kunst, Kultur, öffentlichen Dienst und Sport

Mitarbeiter  Bundesministerium
Arbeit und Wirtschaft

 Bundesministerium
Klimaschutz, Umwelt,
Energie, Mobilität,
Innovation und Technologie

Thank you for your attention!

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