

The Open Cadastral Map



Cadastral Map History

Created in ELF/ELS

→ Technical challenges

→ New process



The Cadastral Map in OME



OME

2020 to 2022



Co-funded by the
European Union

Topographic and cadastral data

New process

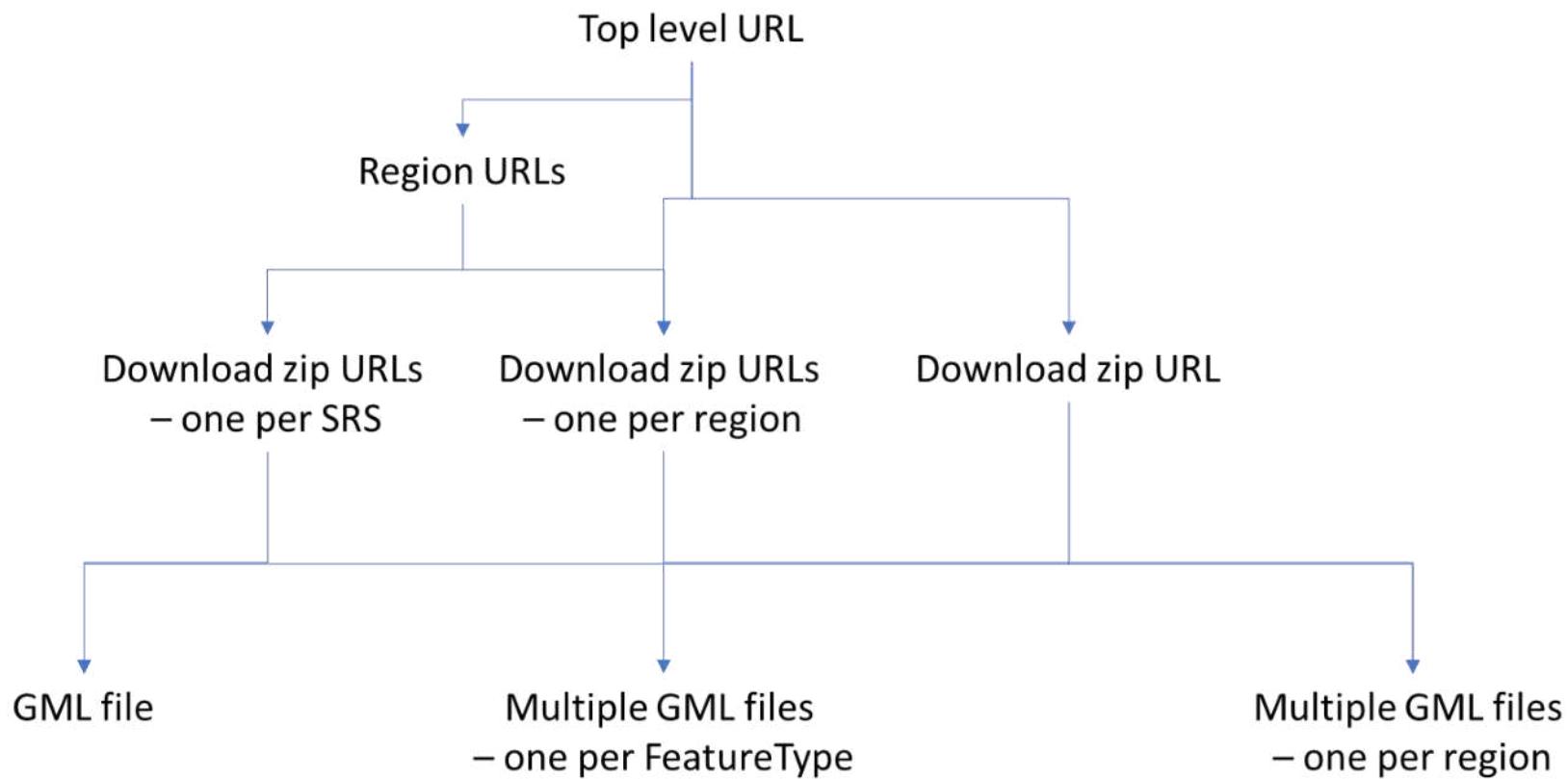
INSPIRE conform ATOM feeds

Used to share content

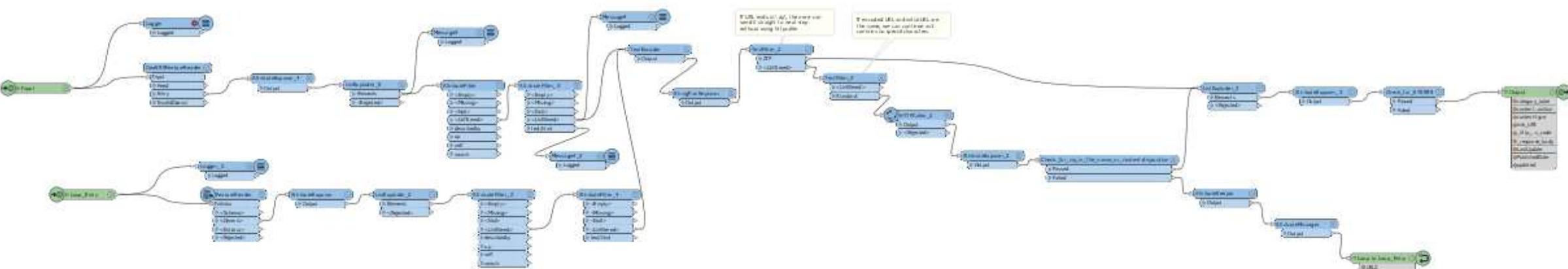
Subscribe get updates



ATOM feeds



Work flow



Results of Cadastral Map in OME

Success!

→ 6 countries

→ 5/6 themes



Czech Republic
Denmark
Netherlands

Poland
Slovenia
Spain

OME2



OME2

2023-2025



Co-funded by the
European Union

Build on the success of OME

Aims

- 1) Continue production of existing datasets
- 2) New production for large-scale topographical data
- 3) Extended and enhanced Cadastral Map

Aims

- 4) Accessible on OME interface
- 5) Discoverable on EDP, geo.be and 10 MS national portals
- 6) Open Data Licence
- 7) Increase use and re-use of Open Public data

Consortium

EuroGeographics – Co-Ordinator

IGN France

NGI Belgium

Kadaster
Netherlands

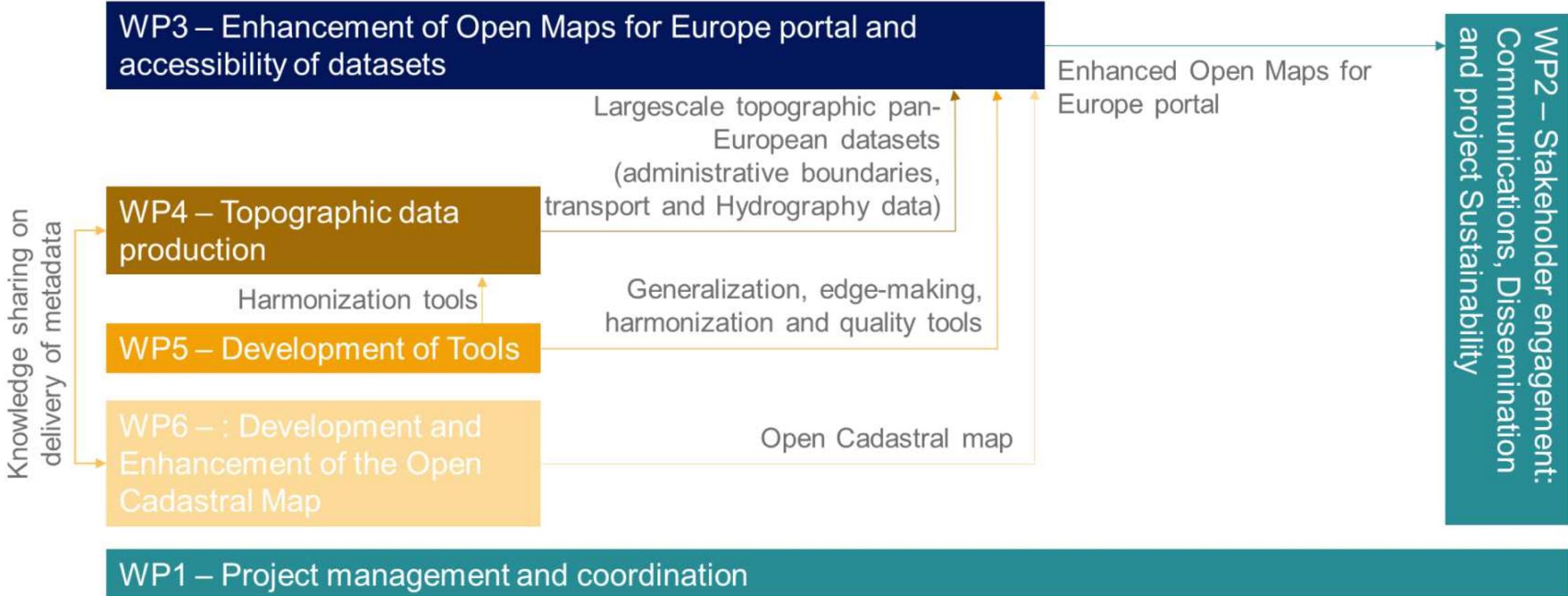
Spanish Cadastre

Hellenic
Cadastre

Subcontractors

MEMBERS

Work Packages



OME2 WP6 – Open Cadastral Map



Objectives

- Sustain
- Enhance
- Increase
- Promote

Sustain Existing Dataset

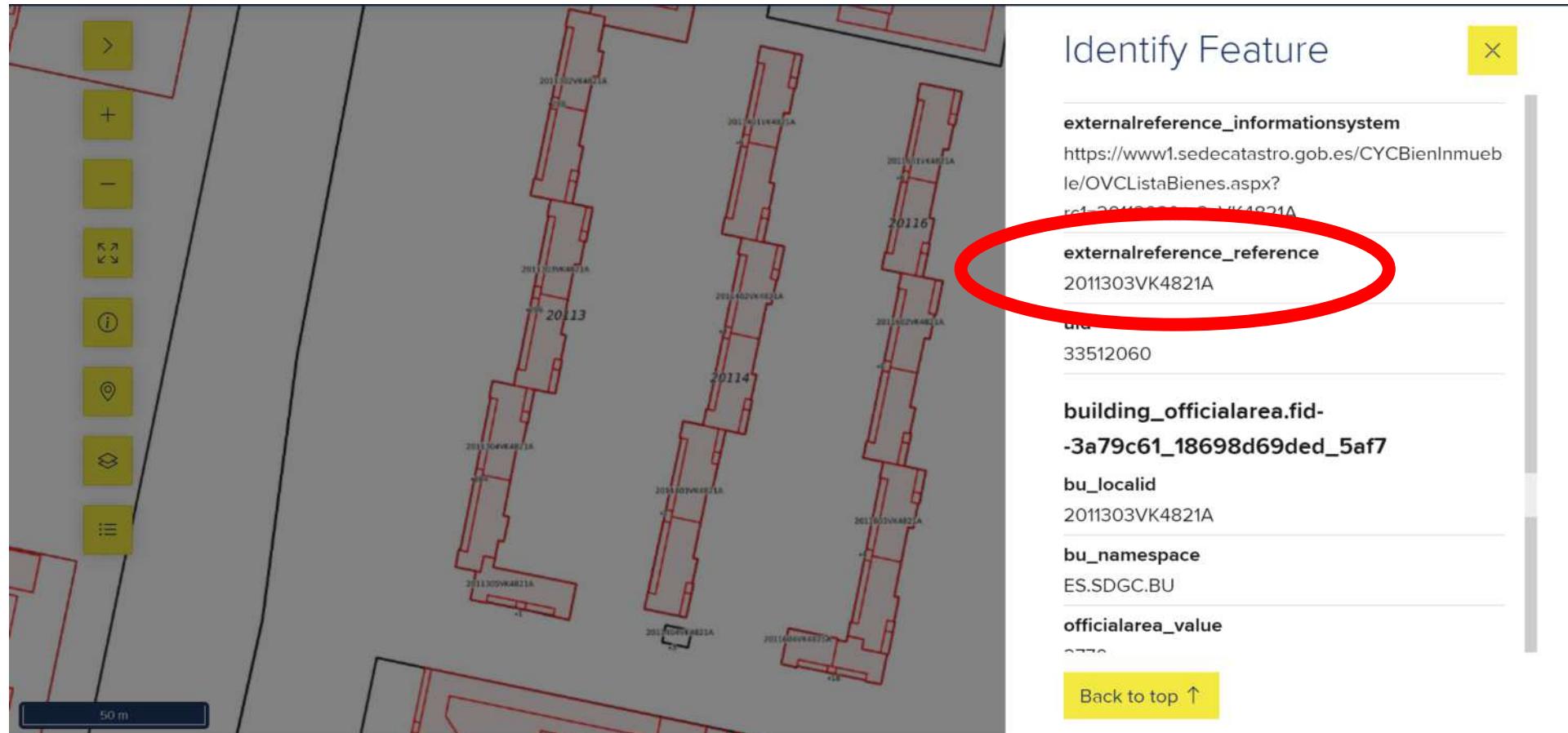
- Continue production
- Updates every 6 months
- Discoverable via EDP

Enhance Production Process

getFeatureInfo

- address
- URL of national cadastral reference

Parcel URL



Identify Feature X

externalreference_informationsystem
<https://www1.sedecatastro.gob.es/CYCBienInmueble/OVCListaBienes.aspx?rc1=2011303VK4821A>

externalreference_reference
2011303VK4821A

building_officialarea.fid
-3a79c61_18698d69ded_5af7

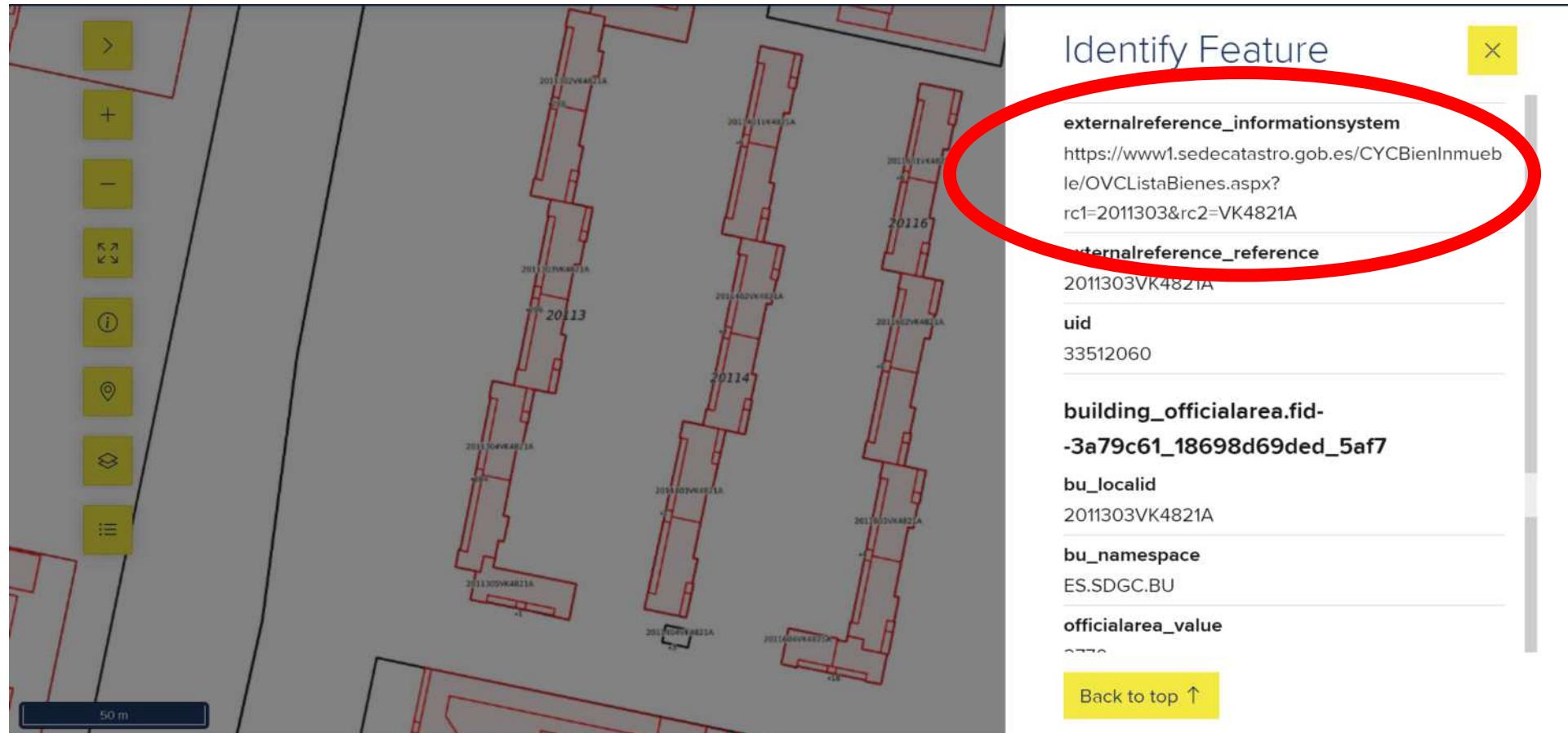
bu_localid
2011303VK4821A

bu_namespace
ES.SDGC.BU

officialarea_value
2770

[Back to top ↑](#)

Parcel URL

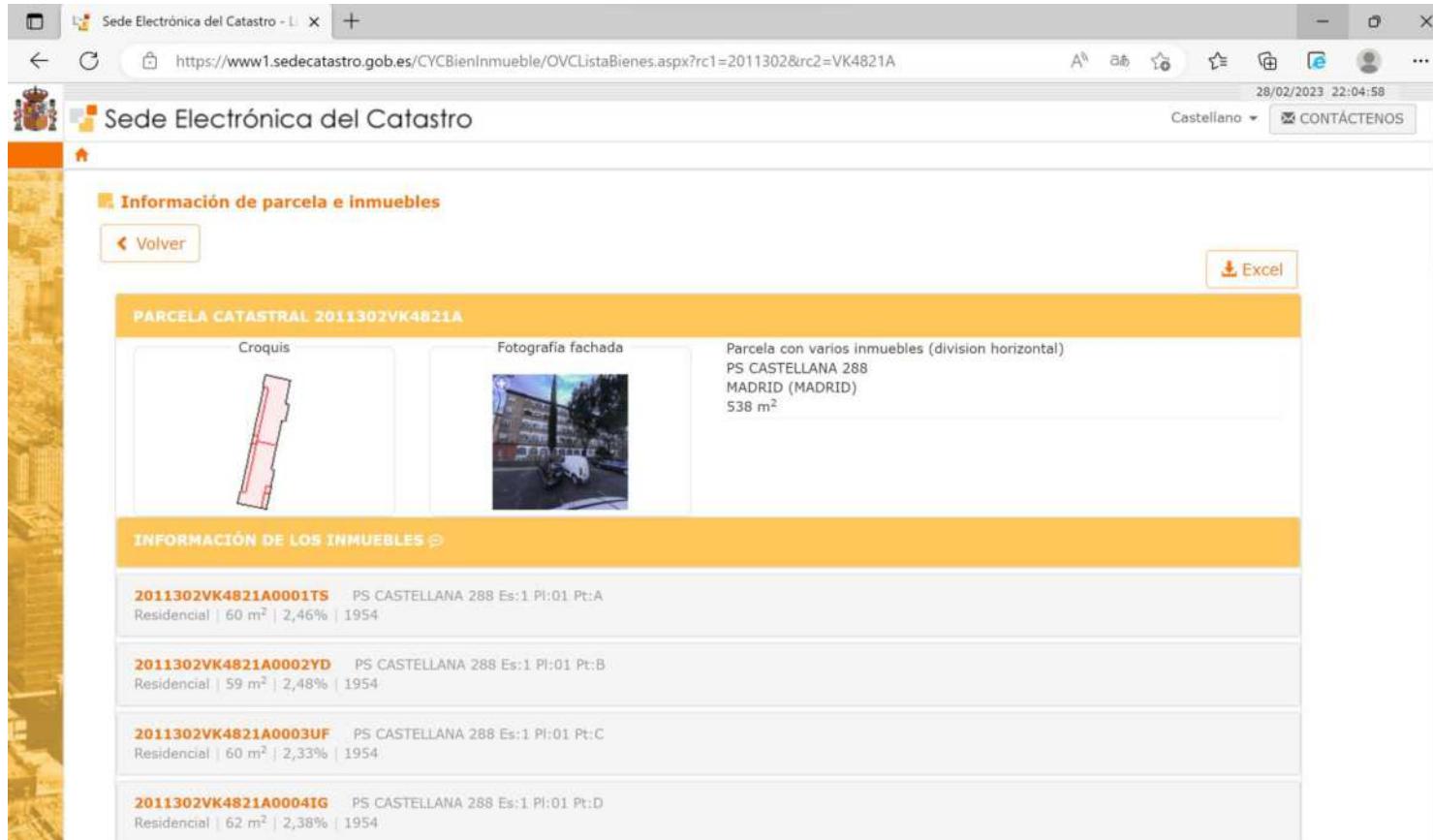


The screenshot shows a map interface with a sidebar for identifying features. The map displays a cadastral area with red boundary lines and property identifiers such as 2011302VK4821A, 2011303VK4821A, 2011304VK4821A, 2011305VK4821A, 2011306VK4821A, 2011307VK4821A, 2011308VK4821A, 2011309VK4821A, 2011310VK4821A, 2011311VK4821A, 2011312VK4821A, 2011313VK4821A, 2011314VK4821A, 2011315VK4821A, 2011316VK4821A, and 2011317VK4821A. A scale bar indicates 50 m. The sidebar has a title 'Identify Feature' with a close button 'X'. It lists the following fields:

- externalreference_informationsystem**
<https://www1.sedecatastro.gob.es/CYCBienInmueble/OVCListaBienes.aspx?rc1=2011303&rc2=VK4821A>
- externalreference_reference**
2011303VK4821A
- uid**
33512060
- building_officialarea.fid**
-3a79c61_18698d69ded_5af7
- bu_localid**
2011303VK4821A
- bu_namespace**
ES.SDGC.BU
- officialarea_value**
2770

A yellow button at the bottom right of the sidebar says 'Back to top ↑'.

Parcel URL



The screenshot shows a web browser window for the 'Sede Electrónica del Catastro' website. The URL in the address bar is <https://www1.sedecatastro.gob.es/CYCBienInmueble/OVCListaBienes.aspx?rc1=2011302&rc2=VK4821A>. The page displays information for 'PARCELÁ CATASTRAL 2011302VK4821A'. It includes a 'Croquis' (map) showing a red polygon, a 'Fotografía fachada' (facade photo), and details about the parcel: 'Parcela con varios inmuebles (division horizontal)', 'PS CASTELLANA 288', 'MADRID (MADRID)', and '538 m²'. Below this, there is a section titled 'INFORMACIÓN DE LOS INMUEBLES' listing four residential units:

ID	Dirección	Tipo	Superficie (m ²)	Porcentaje (%)	Año
2011302VK4821A00001TS	PS CASTELLANA 288 Es:1 Pt:01 Pt:A	Residencial	60 m ²	2,46%	1954
2011302VK4821A00002YD	PS CASTELLANA 288 Es:1 Pt:01 Pt:B	Residencial	59 m ²	2,48%	1954
2011302VK4821A00003UF	PS CASTELLANA 288 Es:1 Pt:01 Pt:C	Residencial	60 m ²	2,33%	1954
2011302VK4821A00004IG	PS CASTELLANA 288 Es:1 Pt:01 Pt:D	Residencial	62 m ²	2,38%	1954

Increase Harmonisation

Description of:

- getFeatureInfo standard
- Metadata Quality Assurance (MQA)
- OCM datasets characteristics & differences

Audit of cadastral data in:

- INSPIRE portals
- EDP
- MS portals

Increase coverage

4 new countries by 31st Dec 2024

9 additional new countries by 31st Dec 2025

Guide for participation in OCM

Engage with data suppliers

Promote OCM

Aim: Develop support for long term strategy

Engage with:

- Members
- Cadastral communities
 - **CLRKEN**
 - PCC

Promote OCM

Survey NMCA:

- standardisation approaches
- auto-translation
- edge-matching

Promote OCM

Best practices guidelines

Identify user needs

Deliverables

Metadata implementation

- SDGC
- 31st August 2024

Pan European Cadastral Data Strategy

- HC
- 31st December 2025

Milestones

Increased coverage of OCM available on interface (HC)

- 31st December 2024
- 31st December 2025

Risks

Unable to significantly extend the coverage

- Support Cadastral players

Legal & cross-border issues

- NMCAAs enabled to address any border issues raised
- Propose technical solutions

The work has already started

	COUNTRY	AREA (km ²)	Cadastral Parcels Dataset in INSPIRE Geoportal
1	Greece	131957	WFS GetCapabilities in INSPIRE geoportal - INSPIRE compliant data
2	Cyprus	9251	WFS GetCapabilities in INSPIRE geoportal - INSPIRE compliant data
3	Lithuania	65200	Atom Service in INSPIRE Geoportal and dataset in gml format
4	Ireland	70273	Atom Service in INSPIRE Geoportal and dataset in gml format
5	Hungary	93030	Atom Service in INSPIRE Geoportal and dataset in gml format
6	Romania	238391	Atom Service in INSPIRE Geoportal with gdb dataset
7	Estonia	45227	WFS GetCapabilities in INSPIRE geoportal
8	Latvia	64589	WFS GetCapabilities in INSPIRE geoportal
9	Slovakia	49035	WFS GetCapabilities in INSPIRE geoportal
10	Austria	83855	Atom Service in INSPIRE Geoportal with gml dataset BUT the downloadable dataset is a csv file probably containing information about the addresses only
11	Luxembourg	2586	Atom Service in INSPIRE Geoportal with gml dataset BUT no data was found when checked
12	Malta	316	To be examined because of its very small coverage BUT No data is available in INSPIRE geoportal and they only have WMS available in their portal

Thank you!

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