



# FIG Working Week 2024

19-24 May

Accra, Ghana

Your World, Our World:  
Resilient Environment  
and Sustainable  
Resource Management  
for All

*Presented at the FIG Working Week 2024,  
19-24 May 2024 in Accra, Ghana*

## The Italian cadastral cartography system. Automatic real time update and dynamic online services

Greta Crescimbeni  
Leonardo Franchi  
Enrico Davoli  
(Italy)

n. 12628





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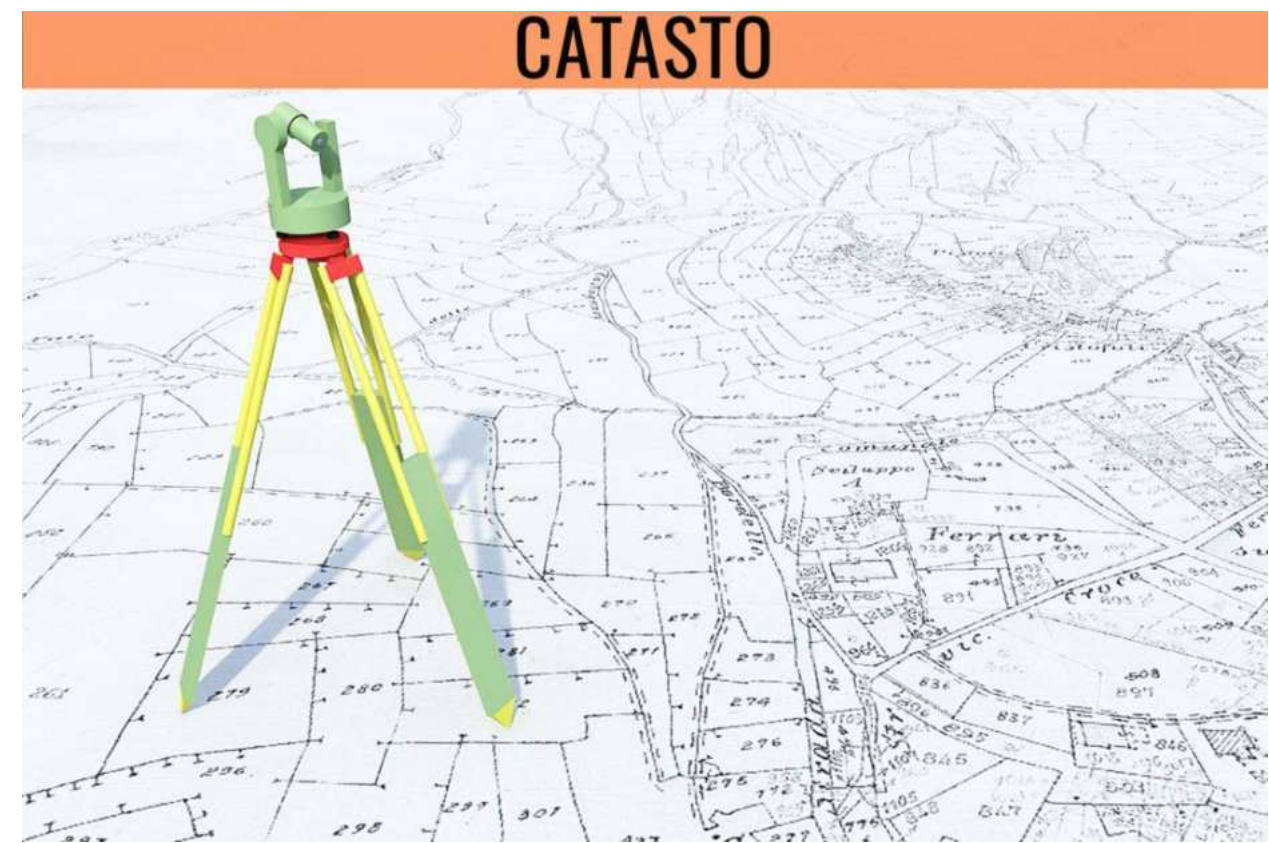
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## Introduction

Catasto, from Greek language: *any systematic survey of land and buildings, typically accompanied by a map and a logbook.*

A set of documents, maps and deeds which describe lands and real estate with: boundaries, owners names, incomes, etc.



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## History

Italian cadastre has very remote origins.

Since Middle Ages citizens must subscribe their properties.



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## What is Italian cadastre?



It is a comprehensive recording of real estate or real properties metes and bounds of Italy.

It's the instrument whit whom the Revenue Agency calculated taxes.





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## Italian cadastral purposes



Visura attuale sintetica per soggetto  
Situazione degli atti informatizzati al 07/05/2024

Data: 07/05/2024 Ora: 16.16.06 pag: 2 Segue  
Visura n.: T333842/2024

N.	DATI IDENTIFICATIVI				DATI DI CLASSAMENTO					ALTRE INFORMAZIONI			
	Sez. Urbana	Foglio	Numero	Sub	Zona Cens.	Micro Zona	Categoria	Classe	Consistenza	Superficie Catastale	Rendita	Indirizzo Dati derivanti da	Dati Ulteriori
7		11	264	10			C/6	1	127m <sup>2</sup>	Totale: 127 m <sup>2</sup>	Euro 40,67	CONTRADA SCHITO n. 118 Piano T VARIAZIONE TOPONOMASTICA del 01/06/2023 Pratica n. MC0042630 in atti dal 01/06/2023 VARIAZIONE DI TOPONOMASTICA (n. 42630.1/2023)	
8		11	264	11			C/2	1	88m <sup>2</sup>	Totale: 112 m <sup>2</sup>	Euro 28,18	CONTRADA SCHITO n. 118 Piano T VARIAZIONE TOPONOMASTICA del 01/06/2023 Pratica n. MC0042636 in atti dal 01/06/2023 VARIAZIONE DI TOPONOMASTICA (n. 42636.1/2023)	
9		11	264	12			C/2	1	78m <sup>2</sup>	Totale: 81 m <sup>2</sup>	Euro 24,98	CONTRADA SCHITO n. 118 Piano T VARIAZIONE TOPONOMASTICA del 01/06/2023 Pratica n. MC0042638 in atti dal 01/06/2023 VARIAZIONE DI TOPONOMASTICA (n. 42638.1/2023)	
10		11	264	15			C/2	6	31m <sup>2</sup>	Totale: 39 m <sup>2</sup>	Euro 24,02	CONTRADA SCHITO n. 118 Piano T Variazione del 09/11/2015 - Inserimento in visura dei dati di superficie.	Annotazione
11		11	264	16			A/2	4	7,5 vani	Totale: 210 m <sup>2</sup> Totale escluse aree scoperte**: 210 m <sup>2</sup>	Euro 735,95	CONTRADA SCHITO n. 118 Piano T-1 - 2 Variazione del 09/11/2015 - Inserimento in visura dei dati di superficie.	Annotazione

Immobile 10: Annotazione: -classamento e rendita validati  
Immobile 11: Annotazione: -classamento e rendita validati  
Totale: vani 13 m<sup>2</sup> 754 Rendita: Euro 1.218,01

Intestazione degli immobili indicati al n.1		
N.	DATI ANAGRAFICI	CODICE FISCALE
1	PROPRIETARIO nato a TREVIA il 18/01/1981	FLNEDG81A18L3601*
DIRITTI E ONERI REALI		
(1) Proprietà 1/1 in regime di separazione dei beni		

It is geometric, always update with land and real estate and it is not proof of the full value of the property.

FISCAL - orange

CIVIL - pink

LEGAL - green







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## How cadastral is made of?



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GEOSA  
General Authority for Survey  
and Geospatial Information





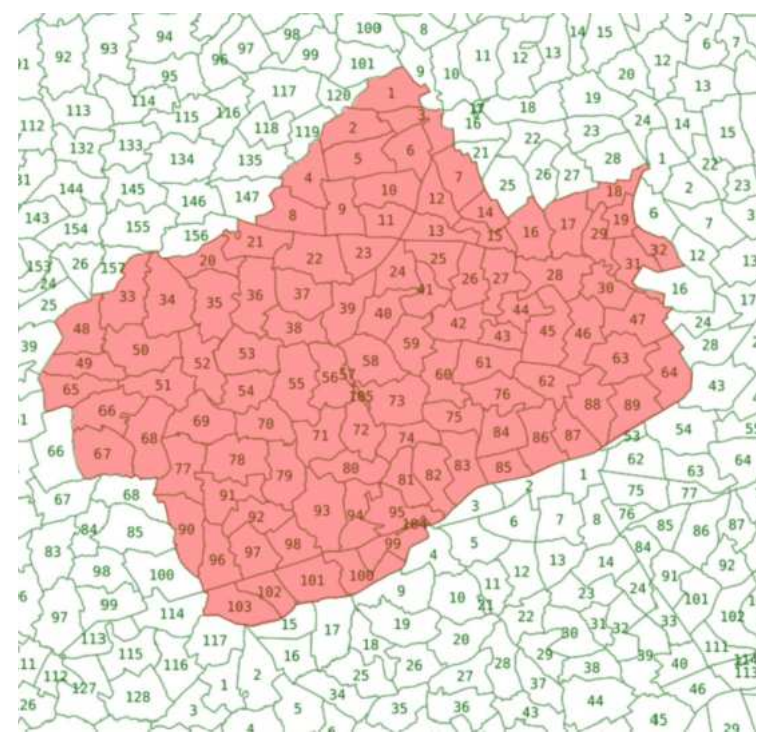
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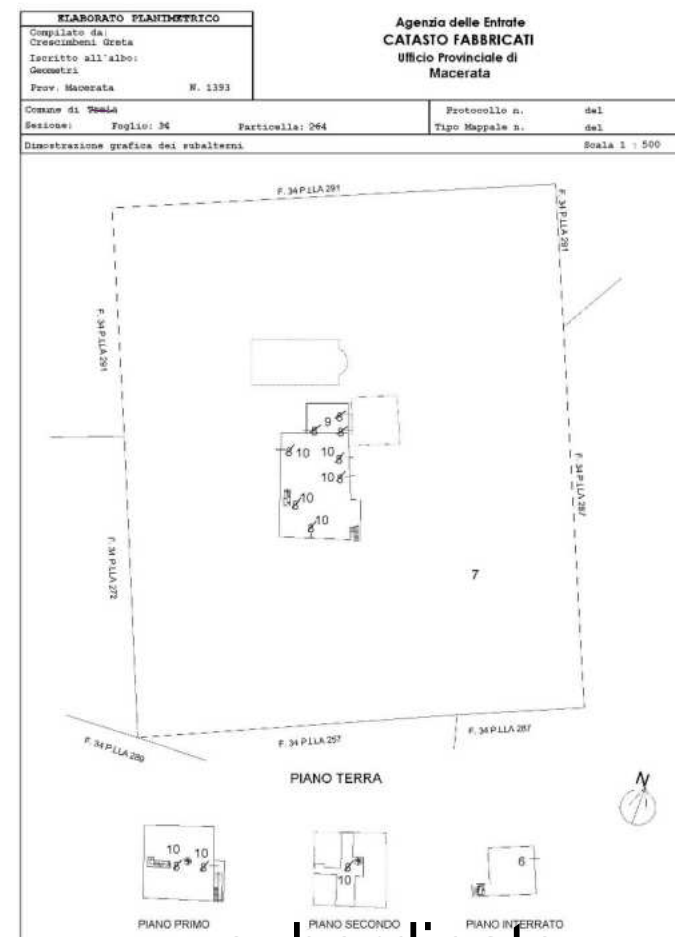
## How cadastral is made of?



sheets



cadastral unit



subordinate





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## How to update maps? - land

**genzia entrate**  
Ufficio provinciale di: **TERAMO**  
Protocollo n:  
Data:  
Codice file PREGEO: **6-632-677** Pag. 3 di 13

**TIPO MAPPALE**  
Atto di Aggiornamento  
Informazioni censuarie

**Dati generali del tipo**

Comune:	MONTECORCHIO-AL-VERDIANO	Sez. Censuaria:	306, 513, 511
Foglio:	0350	Particelle:	DEOMETRA
Tecnico:	FRANCINI-LEONARDO	Qualifica:	1686
Provincia:	TERAMO	N. iscrizione:	

**Modello censuario**

**Mappale**

Operazione	Scritta	Foglio	Identificativo		Provvisorio	Proposto	Superficie			Dati Censuari			Lati		
			originale	proposta			m <sup>2</sup>			Natura	Qualità	Classe	Provvisorio	Proposto	Proposto
							ha	a	ca						
D	0350	306	000				00000	27	30	24	096	06			
S	0350	306	000				00000	06	00	000					
C	0350	000		a	AAA		00000	27	30	24	292		A	AAA	
D	0350	513	000				00000	08	45	24	003	01			
S	0350	513	000				00000	00	00	000			A	AAA	
D	0350	511	000				00000	08	33	24	003	01			
S	0350	511	000				00000	00	00	000			A	AAA	

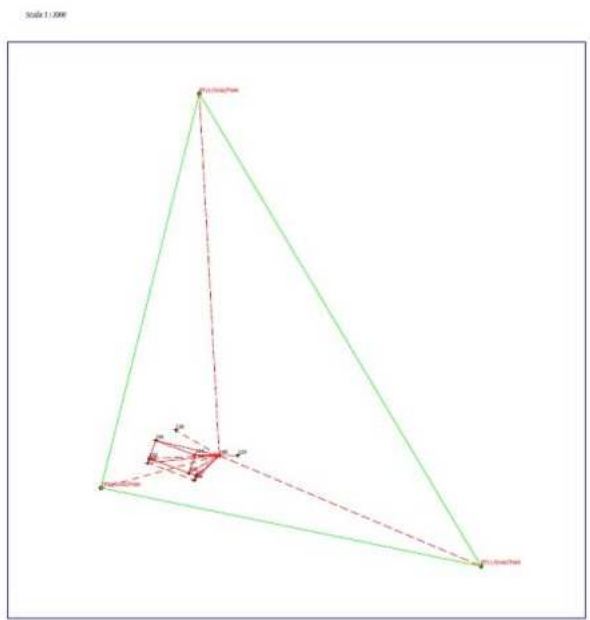
**Informazioni Complementari**

**genzia entrate**  
Ufficio provinciale di: **TERAMO**  
Protocollo n:  
Data:  
Codice file PREGEO: **6-632-677** Pag. 11 di 13

**TIPO MAPPALE**  
Elaborati Tecnici  
Schema del rilievo

**Dati generali del tipo**

Comune:	MONTECORCHIO-AL-VERDIANO	Sez. Censuaria:	306, 513, 511
Foglio:	0350	Particelle:	DEOMETRA
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## The Revenue Agency



It is the official cartography and it is responsible for constant and permanent updating of cadastral maps.

Land - green

Buildings - purple

Streets - orange

Rivers - blue

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## Territorial Information System - SIT

**Navigazione SIT**

Località Posizione Ricerca Avanzata Ambienti Importa Storico

Mappe Satellite Etichette

8 Piazza Papa Pio XII  
Roma, Lazio  
Visualizza su Google Maps

1 km Immagine 25/04/24

**Risultato**

Catasto	Comune	Ued. Com.	SEZ.	SEZ. Urb.	Foglio	Mapcale	Destinazione	Sup. Car.	Sup. Cons.
1	ROMA (RM)	1101	A		410	240	Urbane	2.432	2.440
1	ROMA (RM)	1101			410	240	Non residenziale	-	-

geopoi

Roma (RM) - Lazio

It is a modern web GIS but this is only for reference and it's not official.

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Thanks for your attention  
Grazie!

## Contacts

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SUSTAINABLE DEVELOPMENT **GOALS**

International Federation of Surveyors supports the Sustainable Development Goals

## Commission #7

Cadastre and land management

Serving Society for the Benefit of People and Planet



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