



AUTOMATED MAPPING/FACILITIES MANAGEMENT
GEOGRAPHIC INFORMATION SYSTEMS ITALIA



Webinar AMFM GIS Italia 17/12/2020

Dott. Mauro Caccia - Ware Place

La normalizzazione del dato toponomastico



The background of the slide features a faint, light-colored image of a microscope, showing the eyepiece, objective lenses, and the main body of the instrument. The text is overlaid on this background.

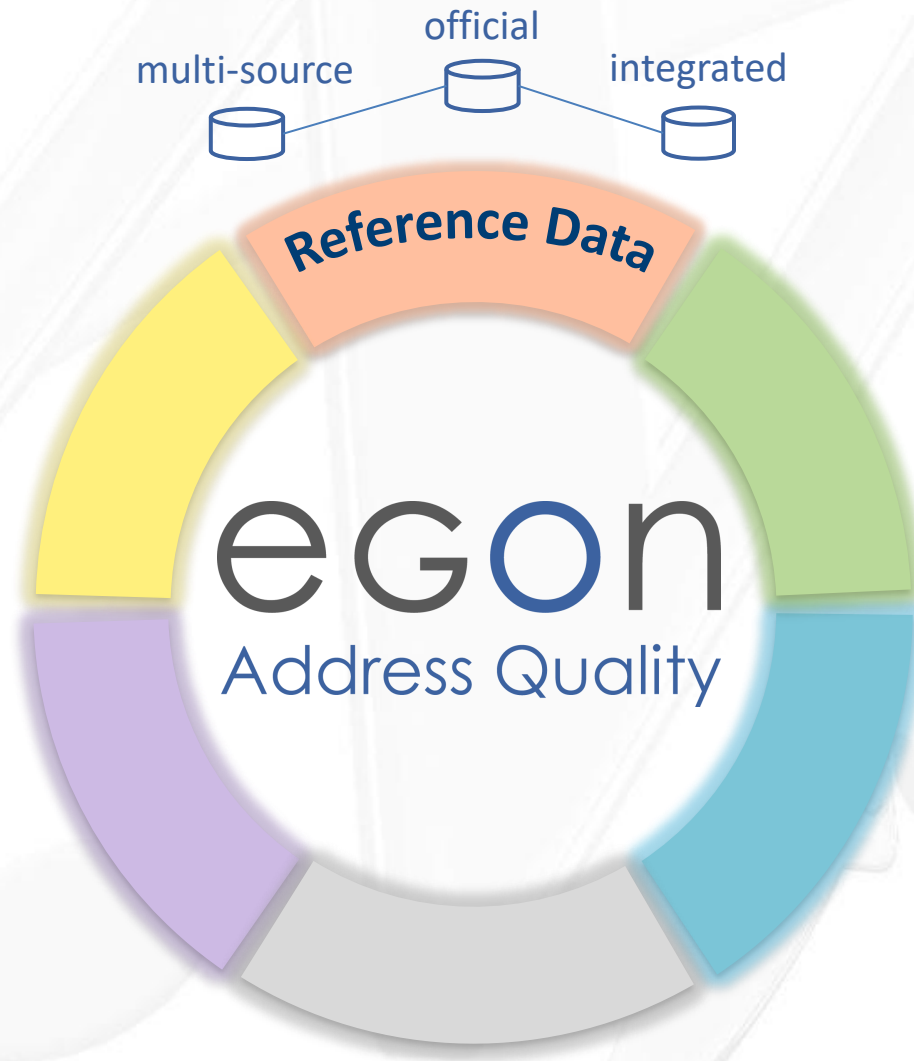
eGOn

Address Quality

EGON è uno strumento



EGON è uno strumento di gestione toponomastica
che racchiude in sé tutte le componenti



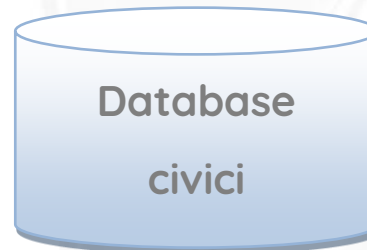
Stradario nazionale

Stradario nazionale
proveniente dai Comuni



32 milioni di:

- civici
- barrati
- complessi
- palazzine
- scale



Stradario integrato

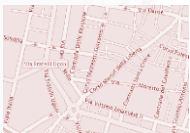
ISTAT Belfiore CAB
Banca d'Italia ISO
UIC Prefissi NUTS
Zone OMI Aree Bacini

Codifiche e aree



Sezioni di
Censimento
ISTAT

Coordinate



POI



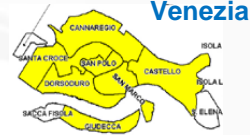
Storicità



Comune



Multilinguismo



Venezia

Peculiarità
urbanistiche

PPTT



Strade
extraurbane



Territorio
rurale

Masi
Cascine
Contrade
Borgate
Vocaboli
Zone industriali
Case sparse



EGONCode

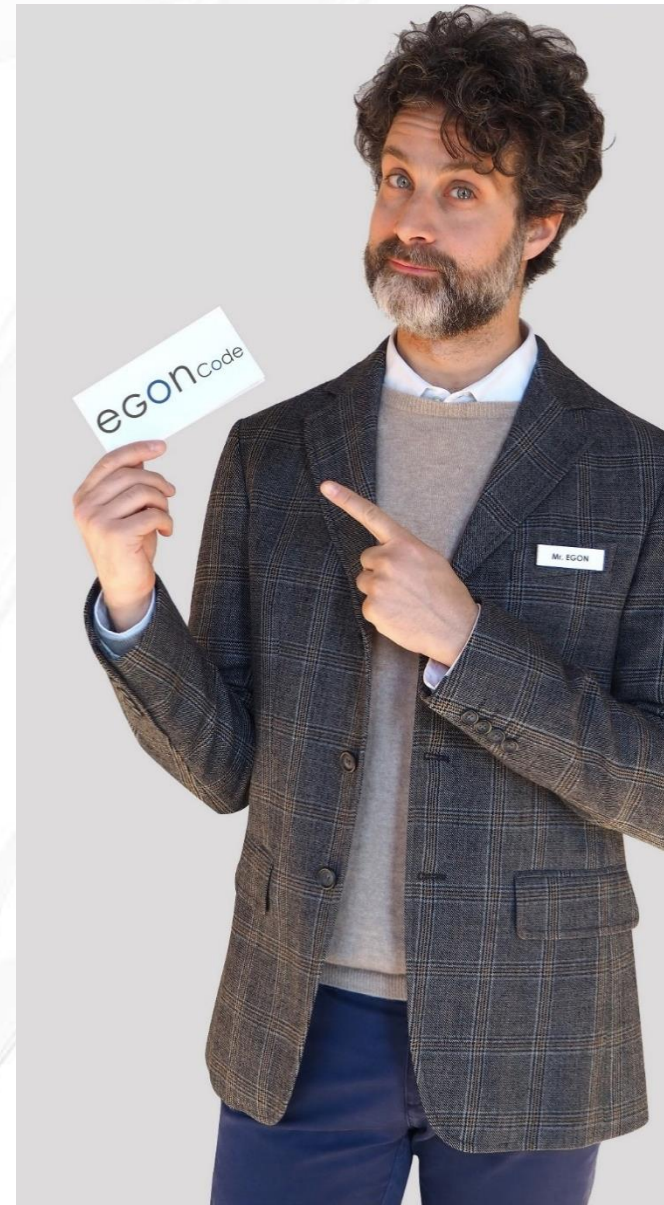
eGOn
Address Quality

Address Identity

Ogni **indirizzo** ha finalmente un
codice univoco che manterrà
per tutta la sua **esistenza...**

eGOn
Code

380001092815283



Codice EGON utilizzato per lo scambio informativo tra aziende ed Enti



Uno standard nazionale

EGON è stato adottato come strumento di gestione stradale, normalizzazione indirizzi e geocoding dalle maggiori aziende ed Enti a livello nazionale

 Posteitaliane

 Istat.it

 AR
discossione
Agenzia Entrate

 Regione Lombardia

 TIM

 open fiber

 vodafone

 SKY

 enel

 eni

 acea

 a2a

 UniCredit Banca

 INTESA SANPAOLO

 GRUPPO
GENERALI

 Allianz

Aggiornamento quotidiano

Certificazione
giornaliera indirizzi



aggiornamento
quotidiano



Aggiornamenti periodici



gestione
storicità



SW Libraries:

- Normalization
- Validation
- Cleansing
- Geocoding



Normalizzazione indirizzo

Input

csO m.liberta 34 a pal.1 sc.C zingone
20080 Tr.s/naviglio



Strada	Corso Martiri della Libertà	38000062119
Civico	34/A	380016544922305
Interno	Palazzo 1 Scala C	380357009567041
Frazione	Zingone	38000009550
CAP	20090	20090
Comune	Trezzano sul Naviglio	38000002256
Provincia	MI	38000000036

Codice EGON



Residential address

Corso Martiri della Libertà
34/A Palazzo 1 Scala C
Zingone
20090
Trezzano sul Naviglio
MI

Mailing address

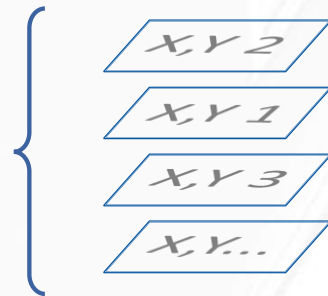
PALAZZO 1 SCALA C ZINGONE
CSO MARTIRI LIBERTA 34 A
20090 TREZZANO SUL NAVIGLIO MI

Geocoding

From: Address

To: eGOnCode

To: Location



multi-source

multi-layer

quality indicator



X,Y Best



- Batch
- Online
- Suggest/Autocomplete
- Single line



On-line

Country * **Postal Code**

...

City **Street Address ***

Address

Batch

New Batch Job

1 Services 2 Upload 3 Columns 4 Fields 5 Confirm

Back Please describe your file's format and then upload it.

File Type: Download Text Fixed Width Text Excel Column names in Encoding: UTF-8 File:

New Batch Job

1 Services 2 Upload 3 Columns 4 Fields 5 Confirm

Back Please map the columns to the correct field.

Record ID	Record Number	Not Mapped	Buyer Street/City	Buyer County	Buyer Postcode
80000	80000	Source ID	Northrup Grumman	TX	64528
80001	80001	Process	Johnson	IL	61801
80002	80002	City	Stoughton or Mirass	NE	68033
80003	80003	State	Canada	BC	60173
80004	80004	ZIP Code	File: Valparaiso - Carrizosa	TG	10022
80005	80005	Street Type	Verona	VA	67106
80006	80006	Phone	Alaska	AK	28100
80007	80007	Name	Thompson's Service	CO	80810
80008	80008	Equipment	OGA	CA	94912
80009	80009	Via Carta Montreal 43	Monte	MT	20108

Separated fields

Country *	Postal Code
<input type="text" value="..."/>	<input type="text"/>
City	Street Address *
<input type="text"/>	<input type="text"/>

Single line

Suggest autocomplete

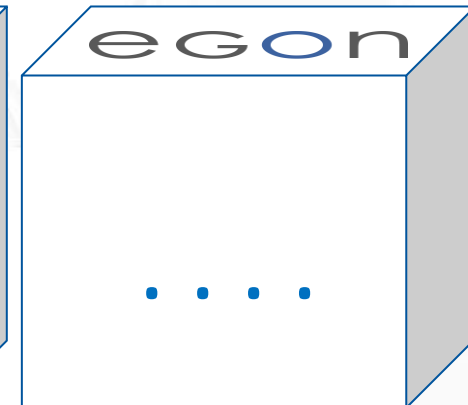
- RIGASTE REDENTORE 12, 37129 VERONA (VR) - ITALIA
- RIGASTE SAN ZENO 12, 37123 VERONA (VR) - ITALIA
- VICOLO RIGASTE ORTI 12, 37121 VERONA (VR) - ITALIA
- Rigastrasse 12, 7000 Chur - Svizzera
- Rigastraat 12, 2000 Antwerpen - BELGIO
- Rigastr. 12, 40625 Düsseldorf - Deutschland
- Rigastr. 12, 23560 Lübeck - Deutschland
- Rigastraat 12, IJsselstein - PAESI BASSI
- Rigastraat 12, 8017KK Zwolle - PAESI BASSI



APIs



Easy integration



eGon
Address Quality

Una soluzione evoluta

eGon

The central graphic features the word 'eGon' in a bold, sans-serif font. The letter 'o' is highlighted in blue and contains a white Wi-Fi symbol. A hand icon, drawn in black outlines, is positioned below the 'o', with its index finger pointing upwards towards the center of the 'o'. Above the 'o' is a blue Wi-Fi symbol consisting of three curved lines and a central dot.

Sempre al passo con l'evoluzione tecnologica

eGon



che può essere
personalizzato in base
alle proprie esigenze
organizzative e di utilizzo



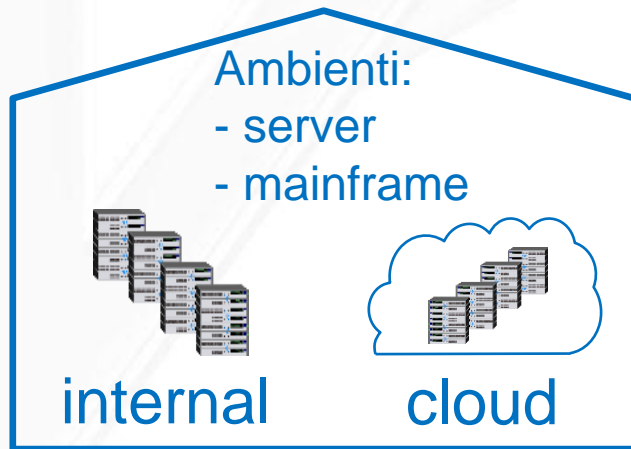
On-premises



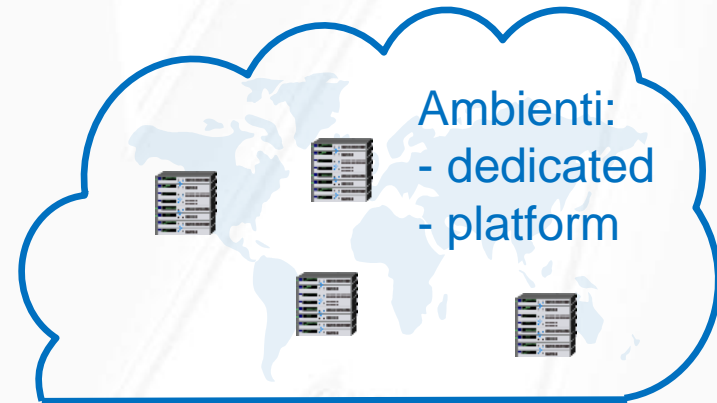
Cloud

Hybrid

On premises



Cloud



+

Hybrid



eGon
Address Quality



















Una soluzione mondiale



EGON è l'unica soluzione italiana con una copertura Worldwide



Lo stradario internazionale

Area	Country	Postal source	Statistic source	Coordinates source
Europe	France			here
	Spain			here
	Italy			here
	Belgium			here
	Portugal			here
	Austria			here
	UK			here
	Poland			here
	Germany			here

Address validation

South Korea (Hangul 한글)

Input

415-881, 김포시 평화공원로 139 (가금리)
대한민국

Street
House number
City district
Old postal code
New postal code
Neighborhood (DONG)
Neighborhood number
City
Province/State
Country

평화공원로	41000629611
139	410000472710938
하성면	41000011854
415-881	415881
10004	10004
가금리	41000364985
208	208
김포시	41000002438
경기도	41000000009
대한민국	41000000001

Codice EGON

New address system (sequential)

10004 경기도 김포시 하성면 평화공원로 139
대한민국

Old address system (chronological)

10004 경기도 김포시 하성면 가금리 208
대한민국

Postal formatting

경기도 김포시 하성면 평화공원로 139
10004
대한민국

Address validation

South Korea (Latin)

Input

139, Pyeonghwagongwon-rd, Gimpo, 415-881 (Gageum-ri)
South Korea



Street
House number
City district
Old postal code
New postal code
Neighborhood (DONG)
Neighborhood number
City
Province/State
Country

Pyeonghwagongwon-ro	41000629611
139	410000472710938
Haseong-myeon	41000011854
415-881	415881
10004	10004
Gageum-ri	41000364985
208	208
Gimpo-si	41000002438
Gyeonggi-do	41000000009
Rep. Of Korea	41000000001

Codice EGON



New address system (sequential)

139, Pyeonghwagongwon-ro, Haseong-myeon, Gimpo-si, Gyeonggi-do, 10004
Rep. Of Korea

Old address system (chronological)

208, Gageum-ri, Haseong-myeon, Gimpo-si, Gyeonggi-do, 10004
Rep. Of Korea

Postal formatting

139, Pyeonghwagongwon-ro, Haseong-myeon, Gimpo-si
GYEONGGI-DO 10004
REP. OF KOREA

From:

Avda m.Cristina 4-piso 1o.
Barcelona (espanya)

115 blvd st antoine apt 4
78000 Versailles-chesnay

Пречистенка ул. д. 11
Кропоткинская Г. МОСКВА

Address

To:

724008841965480

250003805482210

643005872313076

eGOn_{Code}

To:

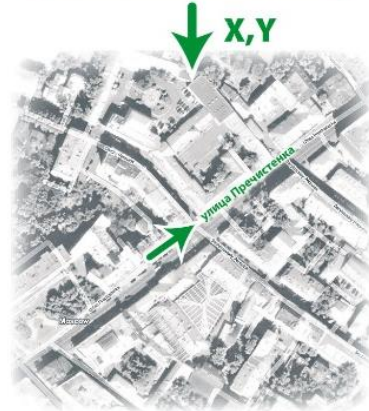
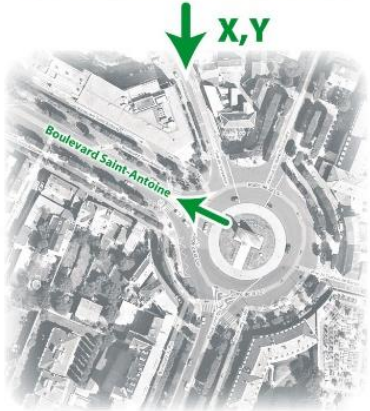
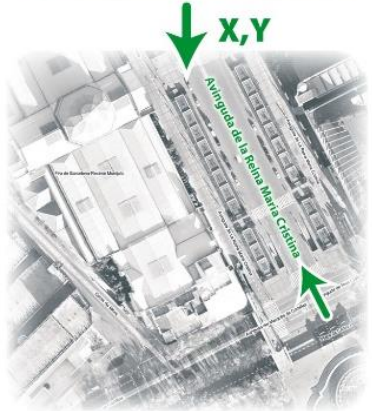
XY1 2,155114 41,371621
XY2 2,155910 41,371522

XY1 2,065799 48,491139
XY2 2,065422 48,491356

XY1 55,443395 37,354876
XY2 55,443349 37,354891

Geocoding

To:

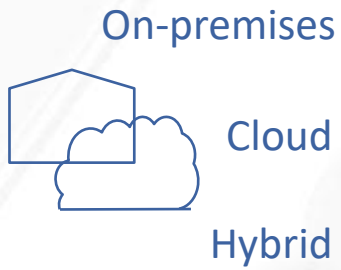


Map

La visione d'insieme



- SW Libraries:
- Normalization
 - Validation
 - Cleansing
 - Geocoding



- Batch
- Online
- Suggest/Autocomplete
- Single line

APIs ↑ ↓ Easy integration





Un team di specialisti

eGon

The word 'eGon' is displayed in a large, bold, black sans-serif font. The letter 'o' is replaced by a magnifying glass icon. The magnifying glass has a blue circular lens with a white border, containing the text '30 years' in a blue sans-serif font. The handle of the magnifying glass is a simple blue line extending downwards and to the left.

che da oltre 30 anni operano in questo
settore con passione e professionalità

The background of the slide features a faint, light-colored image of a microscope, showing the eyepiece, objective lenses, and the main body of the instrument. The text is overlaid on this background.

eGON

Address Quality

Grazie!

egon.com