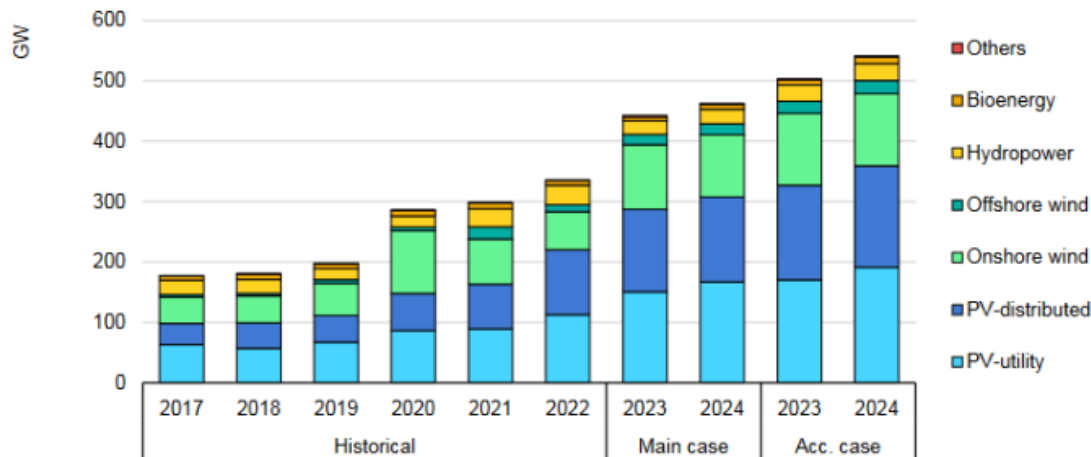


Italian Energy market and Gzei's geothermal projects

- Italian Energy market;
- Gzei - geothermal projects

Italian Energy market

Net renewable electricity capacity additions by technology, historical, main and accelerated cases



Reference: <https://www.qualenergia.it>

New installations of renewable sources around the world will increase globally of about 440 GW (107 GW more than in 2022).

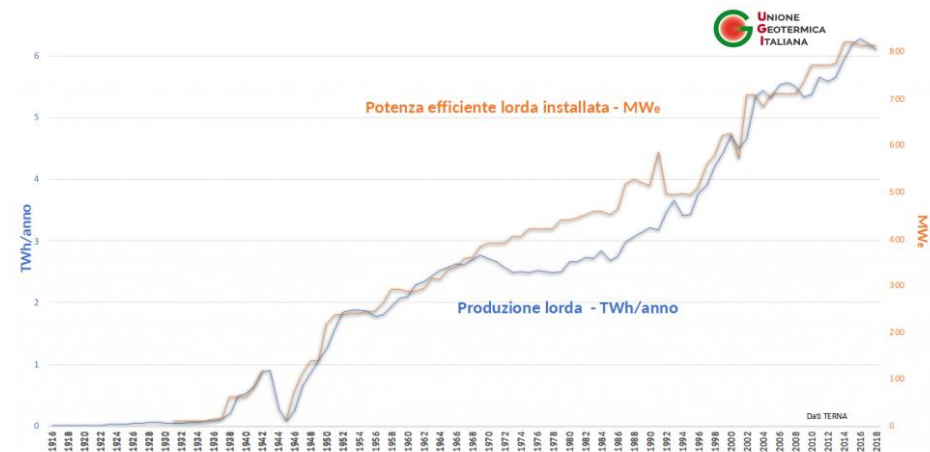
The forecast comes from the new Renewable Energy Market Update – Outlook for 2023 and 2024 of the IEA, the International Energy Agency.

Italian Energy market

	Settore geotermoelettrico in Italia (anno 2018)		Produzione Elettrica Totale in Italia (anno 2018)		Contributo in % della geotermia alla produzione totale	
	Capacità Installata (MW _e)	Produzione lorda (GWh _e /anno)	Capacità Efficiente Lorda (MW _e)	Produzione lorda (GWh _e /anno)	Capacità (%)	Produzione (%)
Dicembre 2018	915.3 ¹ 813.3 ²	6105,4	118117	289708	0.69	2.1
In costruzione a dicembre 2018	20.0	140.0				
Proiezione al 2020	935.5 ¹					
Proiezione al 2025	975.5 ³ 919.0 ⁴	6900 ⁴				

¹Potenza Nominale. ²Potenza Efficiente. ⁴Fonte Enel Green Power. ⁴Fonte MiSE

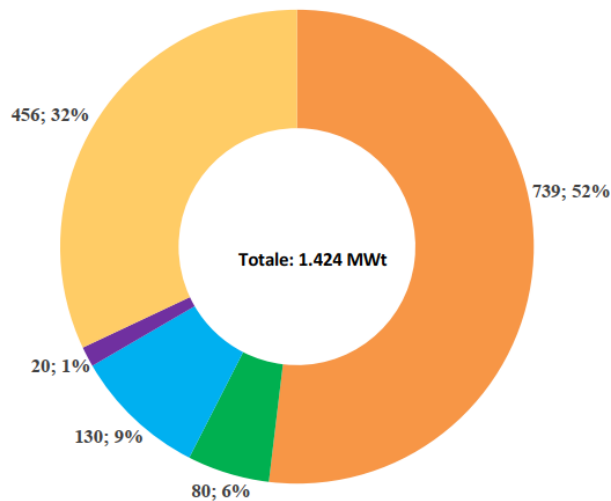
Reference: <https://www.unionegeotermica.it>



Some data and diagram from Unione Geotermica Italiana (UGI) / Italian Geothermal Unit showing as the Geothermal production is increasing in the last years

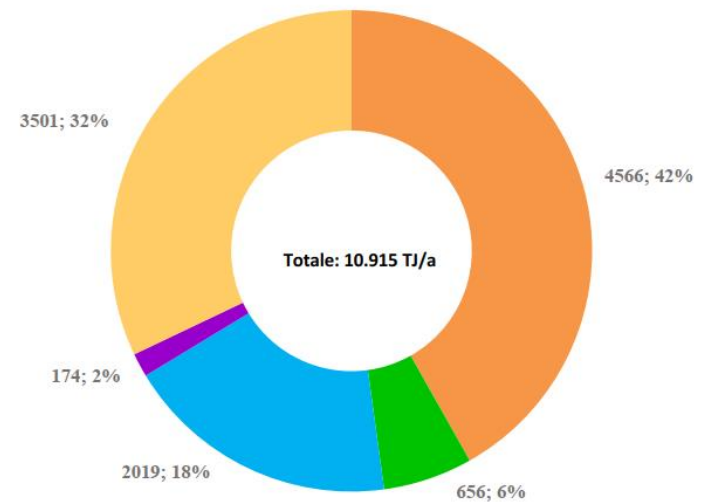
Italian Energy market

Installed geothermal power
MWt (Anno 2017)



■ Climatizzazione ambienti
 ■ Usi agricoli
 ■ Acquacoltura
■ Usi Industriali e altri
 ■ Usi termali e balneoterapia

Energy used
TJ/anno (Anno 2017)



■ Climatizzazione ambienti
 ■ Usi agricoli
 ■ Acquacoltura
■ Usi Industriali e altri
 ■ Usi termali e balneoterapia

Reference: <https://www.unionegeotermica.it>

16th Verona Eurasian Economic Forum
(Silk Road Samarkand Congress Center, Samarkand, November 2-3, 2023)

Gzei - geothermal projects

GZEI Geothermal Project	
PdR	Region
Brignano Gera d'Adda Caravaggio Treviglio Lacchiarella	Lombardia
Pola Ro	Emilia Romagna
Prata S. Lorenzo a Merse	Toscana
Ponte a Rigo Oriolo Romano Bracciano Piansano Montefiascone	Toscana/Lazio Lazio
Cerano	Piemonte
Breganze Corbola	Veneto



Gzei - geothermal projects

GZEI Geothermal Project

PdR

Region

Brignano Gera d'Adda

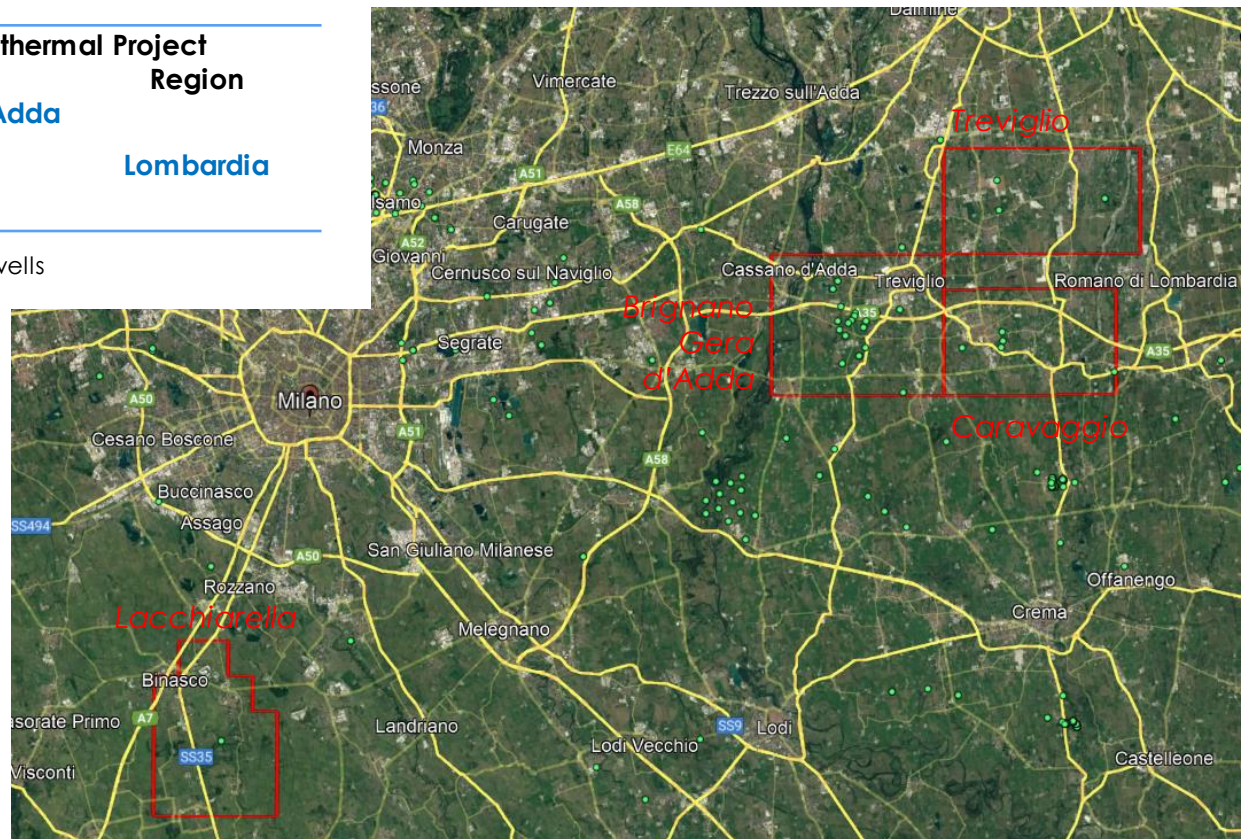
Caravaggio

Treviglio

Lacchiarella

Lombardia

● Eni existing wells



Gzei - geothermal projects

GZEI Geothermal Project	
PdR	Region
Breganze	Veneto
Corbola	

GZEI Geothermal Project	
PdR	Region
Pola	Emilia Romagna
Ro	

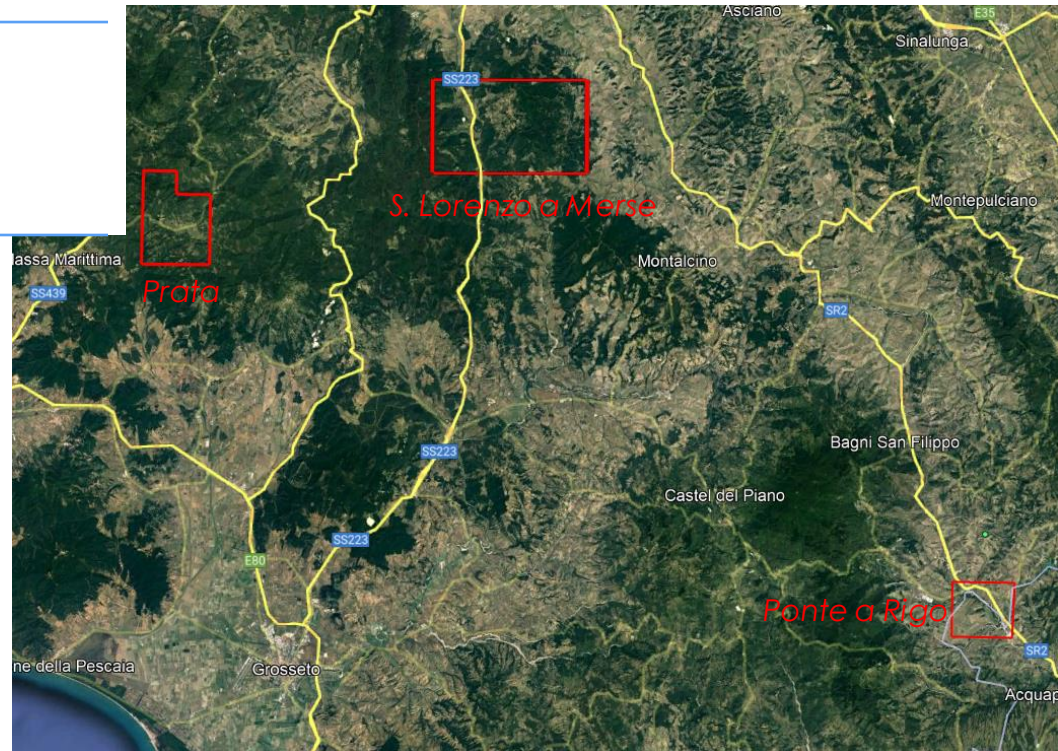
 Eni existing wells



Gzei - geothermal projects

GZEI Geothermal Project	
PdR	Region
Prata S. Lorenzo a Merse	Toscana
Ponte a Rigo	Toscana/Lazio

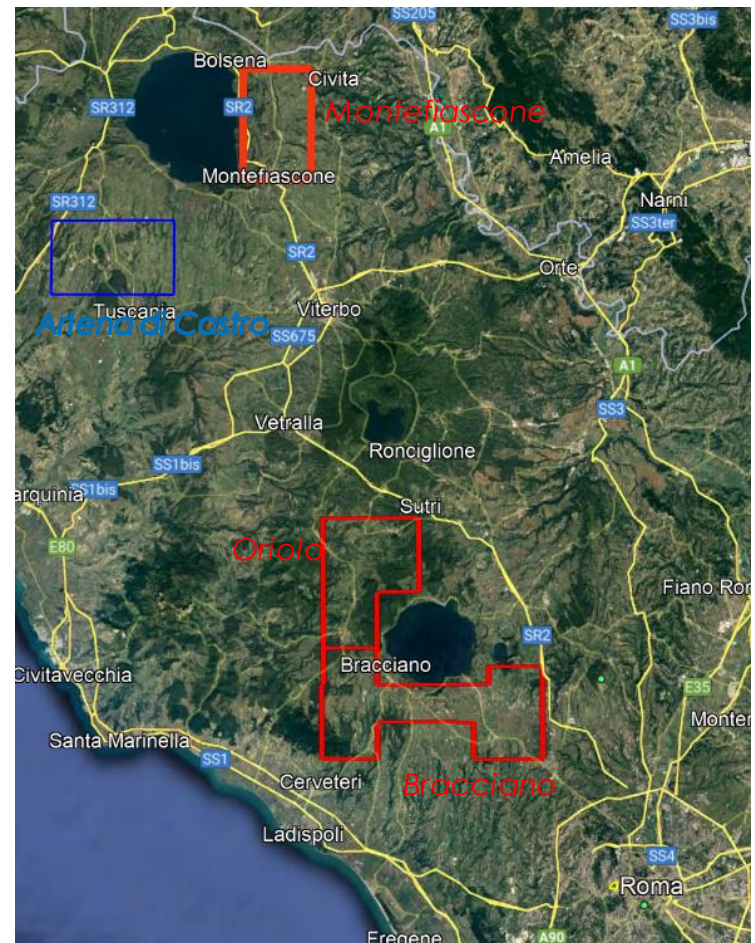
● Eni existing wells



Gzei - geothermal projects

GZEI Geothermal Project	
PdR	Region
Oriolo Romano	Lazio
Bracciano	
Piansano	
Montefiascone	

- Eni existing wells



Thank you!

