



**ITALIA
SOLARE**

Il fotovoltaico è di tutti

Large-scale solar: an update from Italy

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ITALIA SOLARE



Who we are

ITALIA SOLARE is the **only Italian association completely focused on photovoltaics.**

- 800 members (companies and owners of photovoltaic systems representing the entire solar industry)
- Organised around a board of 21 members and 10 working groups that cover all areas of interest.



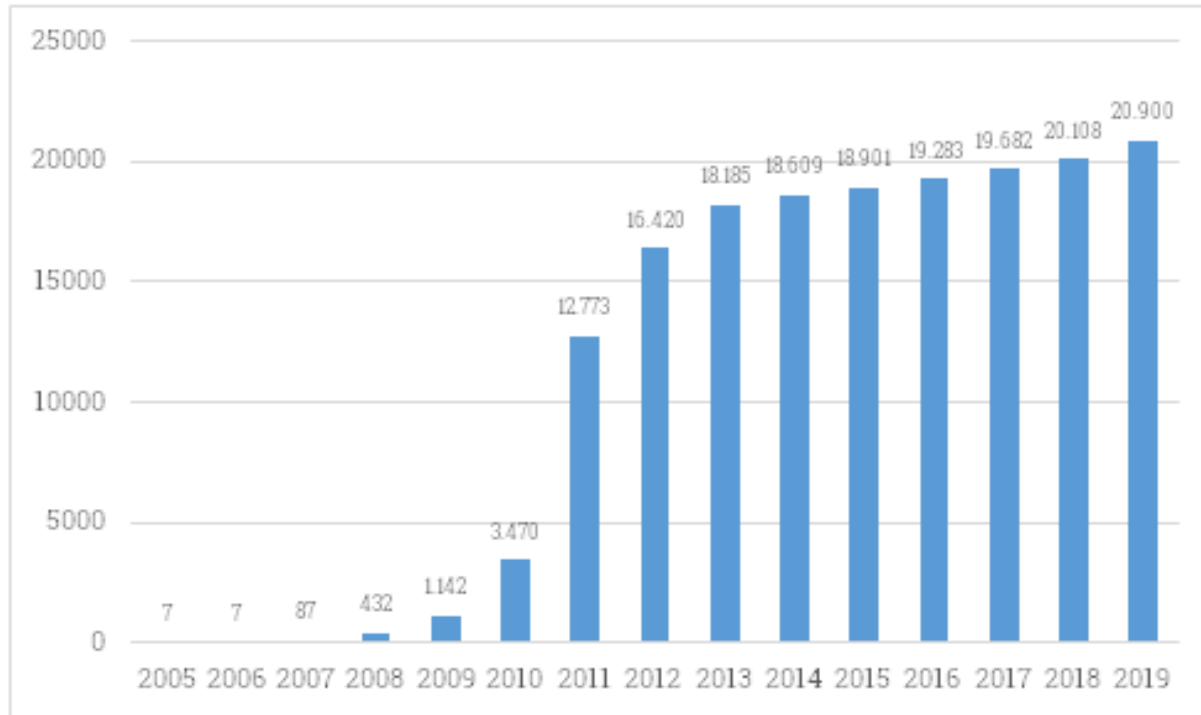
A very open association

Members can actively participate in the activities of the association by joining:

- working groups
- board meetings that are open to all

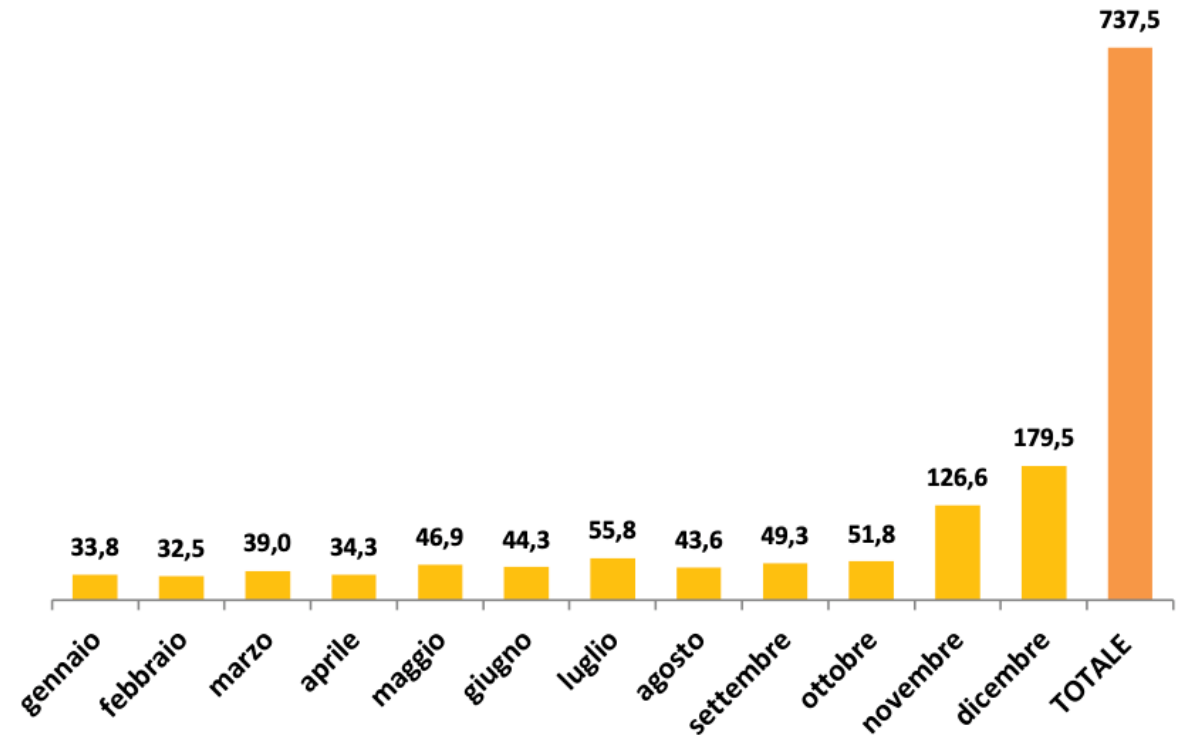
PV installed in Italy

PV capacity in Italy



Source: Terna Data

PV installed in Italy in 2019



Ground photovoltaic systems

The targets of the Italian NECP to 2030

Installed capacity targets (MW) for renewable sources to 2030

Fonte	2016	2017	2025	2030
Idrica	18.641	18.863	19.140	19.200
Geotermica	815	813	920	950
Eolica	9.410	9.766	15.950	19.300
di cui off shore	0	0	300	900
Bioenergie	4.124	4.135	3.570	3.760
Solare	19.269	19.682	28.550	52.000
di cui CSP	0	0	250	880
Totale	52.258	53.259	68.130	95.210

Growth targets and trajectories to 2030 for renewables' share of power production (TWh)

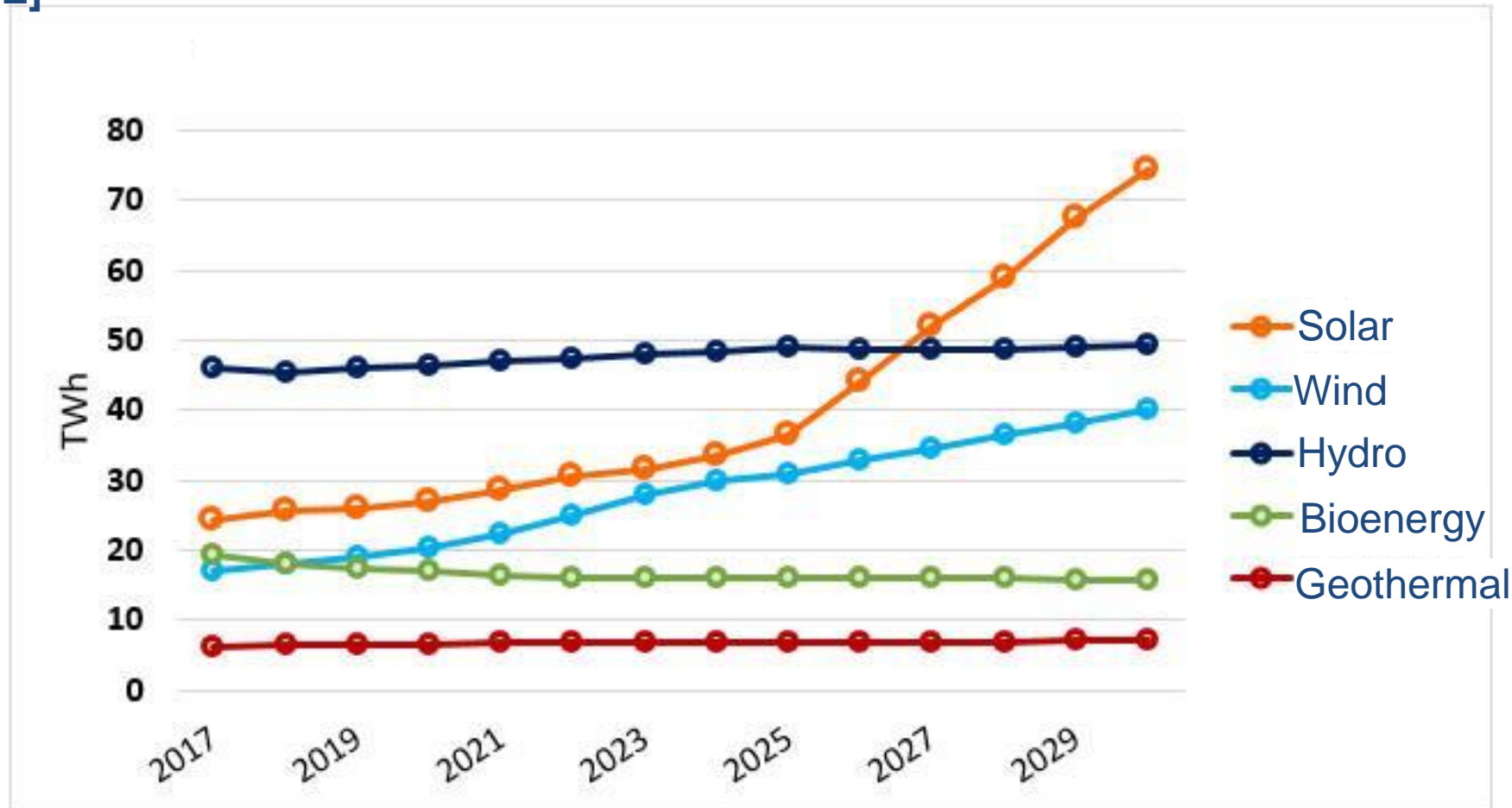
	2016	2017	2025	2030
Produzione rinnovabile	110,5	113,1	142,9	186,8
Idrica (effettiva)	42,4	36,2		
Idrica (normalizzata)	46,2	46,0	49,0	49,3
Eolica (effettiva)	17,7	17,7		
Eolica (normalizzata)	16,5	17,2	31,0	41,5
Geotermica	6,3	6,2	6,9	7,1
Bioenergie*	19,4	19,3	16,0	15,7
Solare	22,1	24,4	40,1	73,1
Denominatore - Consumi Interni Lordi di energia elettrica	325,0	331,8	334	339,5
Quota FER-E (%)	34,0%	34,1%	42,6%	55,0%

* Per i bioliquidi (inclusi nelle bioenergie insieme alle biomasse solide e al biogas) si riporta solo il contributo dei bioliquidi sostenibili.

Ground photovoltaic systems

The targets of the Italian NECP to 2030

Growth trajectories for power generation from renewables to 2030 [Source: GSE and RSE]



DM FER1 Decree

There are two different ways to access the incentives depending on plant capacity :

- **Registry** of installations with capacity between 20 kW and 1 MW (groups A for standard PV plants and A-2 for PV plants that replace asbestos roofing)
- **Auctions** for installations with capacity greater than or equal to 1 MW.

There are **7 calls** for participation in the Registries and/or Auctions, with the following timing

Procedure number	Date of opening of the call	Closing date of the call
1	30 September 2019	30 October 2019
2	31 January 2020	1 March 2020
3	31 May 2020	30 June 2020
4	30 September 2020	30 October 2020
5	31 January 2021	2 March 2021
6	31 May 2021	30 June 2021
7	30 September 2021	30 October 2021

Energy Communities

- The Italian Government has instituted Energy Communities as part of the «Milleproghe» decree, based upon a proposal by ITALIA SOLARE and Legambiente.
- The decree regulates collective self-consumption from pv plants connected to low or medium voltage between people who consume in the energy community
- ARERA must now regulate the economic aspects of electricity produced and consumed within an energy community
- ITALIA SOLARE has submitted comments to the ARERA Consultation Document.
- Energy communities are an important part of the NECP's objectives.



A proposal for installations on agricultural land

Ground-based photovoltaic installations are essential to achieve the NECP's 30GW photovoltaic target.

ITALIA SOLARE has presented a proposal to develop photovoltaic in agriculture/farming:

“part of the land surrounding residential centres and industrial/artisanal districts should always be dedicated to photovoltaic use, becoming an integral part of new urban planning plans with a view to the development of energy communities”.

Agricultural enterprises should be seen as agro-energy companies, since PV represents an opportunity for agriculture and animal farming.

Given its capacity to attract investment and expertise, PV therefore represents an opportunity for many farms in financial difficulty today.





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