



FEDERAZIONE NAZIONALE
IMPRESE ELETTROTECNICHE
ED ELETTRONICHE



Sustainab-ITALY: the Italian proposals for a greener future

*Panel 1: Italian innovations in Renewable Energy, Waste Recycling,
Sustainable Constructions and Hydrogen Solutions*

Dubai, December 6th 2023

Mariarosaria Fragasso, Director of International Affairs

Federazione ANIE

Italian Electrical Engineering and Electronic Industry



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ANIE, with over **1,100** Member Companies, has been representing the **Italian Electrical Engineering and Electronic Industry** for over 70 years.

The ANIE Industry in figures:

93 BILLION EUROS OF
TOTAL TURNOVER

400,000 EMPLOYEES

SHARE OF EXPORTS IN TOTAL
TURNOVER FOR ELECTRICAL
ENGINEERING AND ELECTRONIC
TECHNOLOGIES **44%**

R&D EXPENDITURE ON
TOTAL TURNOVER **4%**

Final markets of destination:

TECHNOLOGIES FOR
ENERGY



TECHNOLOGIES FOR
BUILDING

TECHNOLOGIES FOR
INFRASTRUCTURES AND TRANSPORTS



TECHNOLOGIES FOR
INDUSTRY

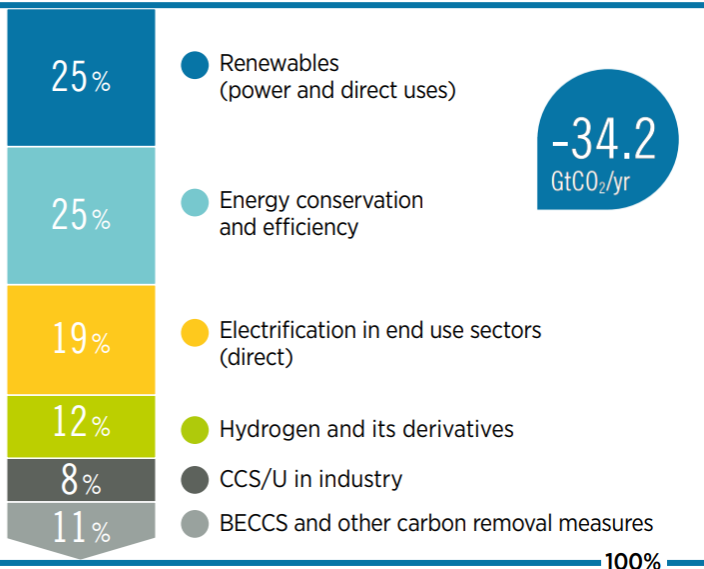


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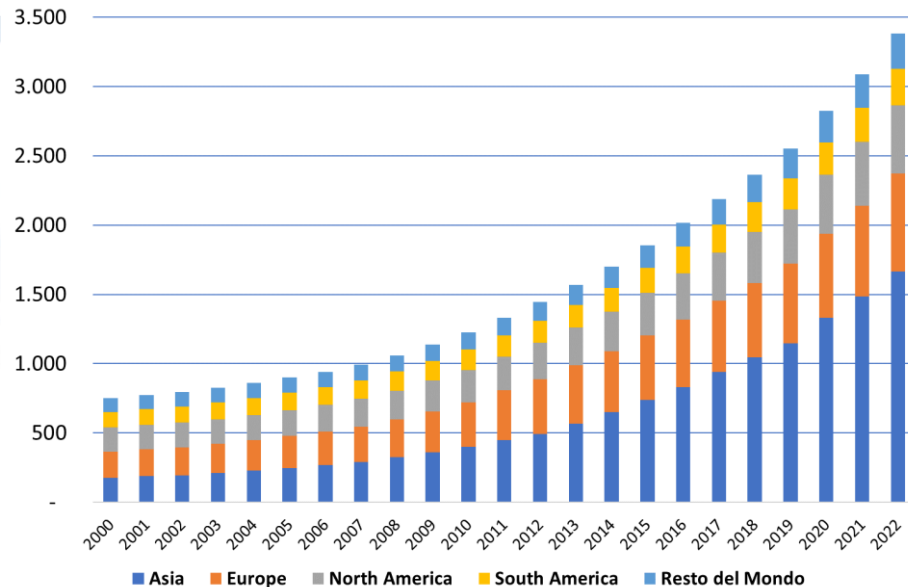
Renewables at the heart of the global energy transition

Six technological avenues to reduce emissions by 2050 (1.5° Scenario)



Source: IRENA

Installed renewable capacity by region (GW)



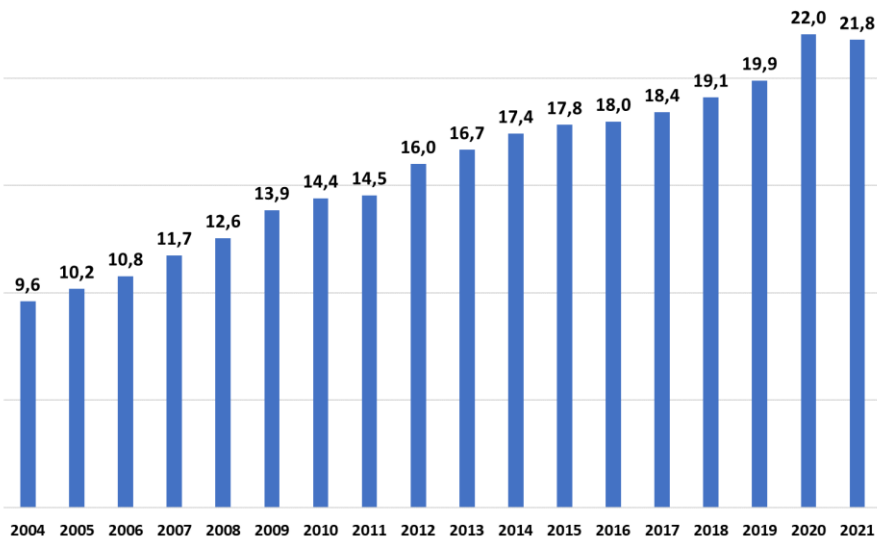


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Towards climate neutrality within the European Union

Renewable energy sources (% in final energy consumption)



Source: Eurostat

2030 Targets



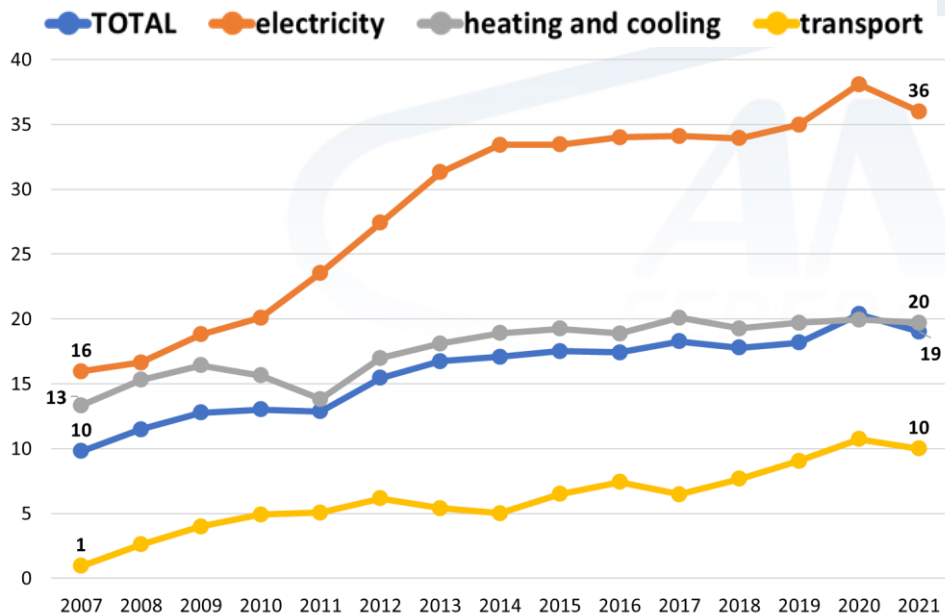
	Reduction of CO2 emissions	Renewable energy sources
Clean Energy Package	-40%	32%
FitFor55	-55%	40%
RePowerEU	-55%	45%



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Renewable energy sources (% in final energy consumption)



Source: Eurostat

2030 Targets



	Reduction of CO2 emissions	Renewable energy sources	Renewable energy sources (in electricity)
PRESENT NECP	-40%	30%	55%
FUTURE NECP	-55%	40%	65%

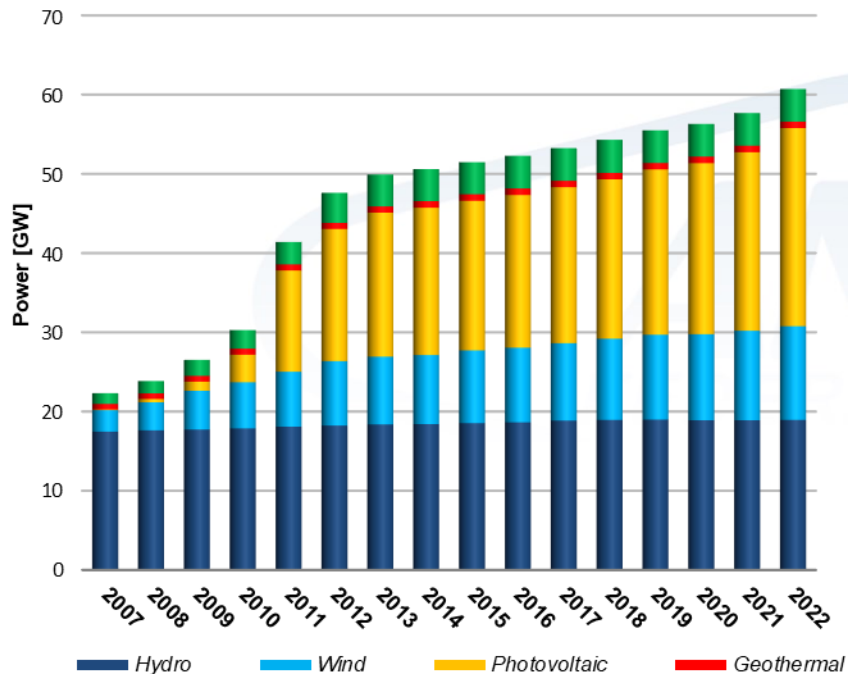


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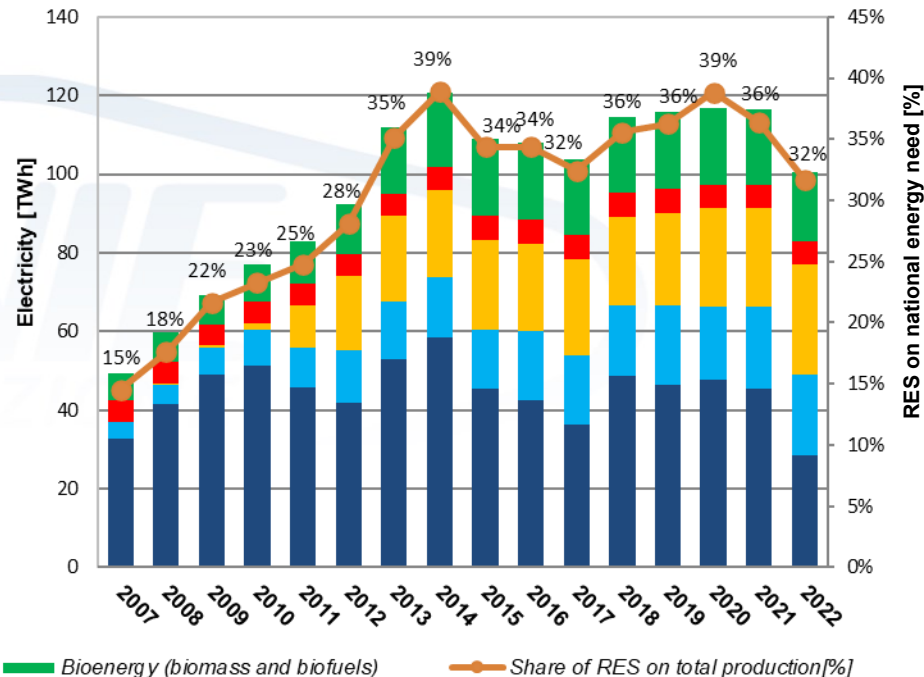


Italy's strong commitment to the green transition

RES Power Capacity [GW]



Gross Electricity production from RES [TWh]



Source: ANIE processing on Terna data

Statistical data

	2020	2021	2022	2021/2020	2022/2021
	million euro – values at current prices			annual rate of change	
TURNOVER	4.580	5.226	7.325	14,1	40,2
EXPORT	2.349	2.718	3.129	15,7	15,1
SHARE OF EXPORTS IN TURNOVER	51,3%	52,0%	42,7%		

Source: ANIE

Exports value - % share by macro areas of destination

	2020	2021	2022
Europe of which	56,5	57,0	57,9
European Union	45,2	46,3	48,0
Other European Countries	11,3	10,7	9,9
Africa	3,7	3,2	2,4
America	25,2	26,2	26,6
Asia of which	13,4	12,5	11,9
Middle East	3,6	2,9	2,8
Central Asia	2,1	2,0	2,1
Far East	7,8	7,6	7,1
Australia and Oceania	1,2	1,2	1,3

Source: ANIE processing on ISTAT data

Electromechanical technologies

22

**BILLION EUROS OF
TOTAL TURNOVER**

**SHARE OF EXPORTS IN
TOTAL TURNOVER** **53%**

97,000 EMPLOYEES

**R&D EXPENDITURE ON
TOTAL TURNOVER** **4%**



2° place

in Europe for the
industrial production

Source: ANIE, year 2022

...technologies, components and
systems for



Power generation
Power transmission
Power distribution



380 companies
are members of
Federazione ANIE



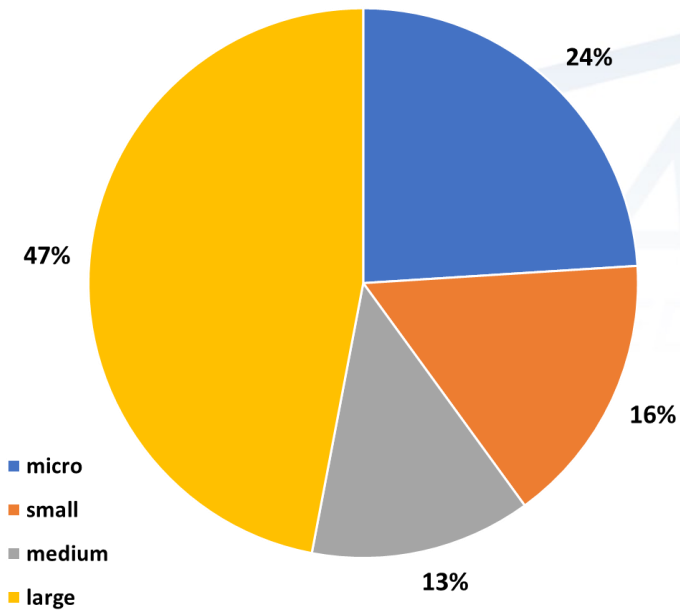
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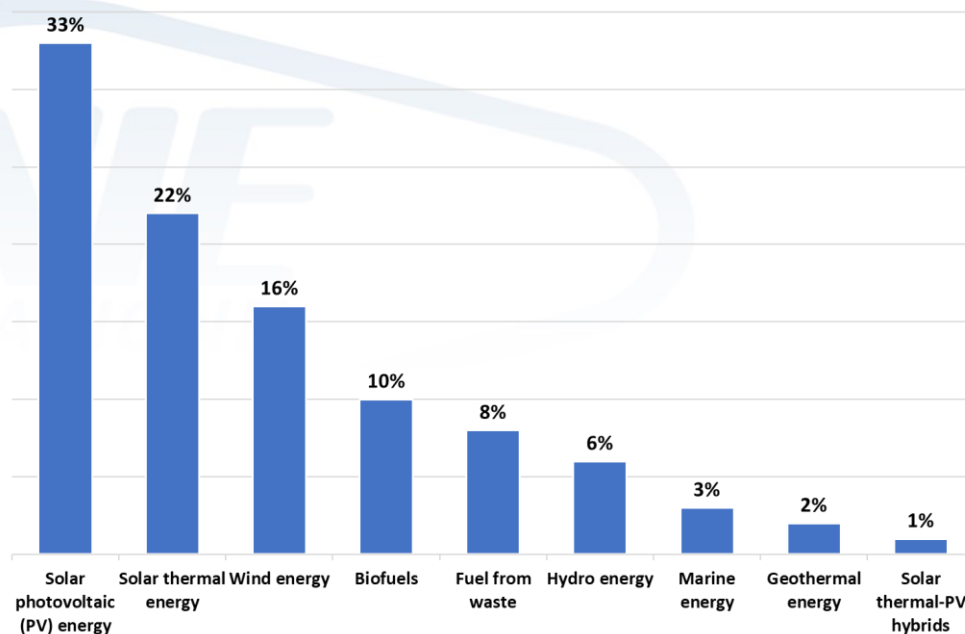
Trends in clean energy technology innovation

Italian patents for RES technologies...

...by size of enterprise



...by field of technology



Source: Intesa Sanpaolo on ISID data, June 2021



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CONFININDUSTRIA

Italian Export of Electromechanical Technologies to UAE in 2022



220 million euros



+23%
2022/2021

Source: ANIE processing on ISTAT data



16-18 April 2024 | Dubai World Trade Centre



➔ For **over 10 years** ANIE and the Italian Trade Agency Office in Dubai have been organizing the **Italian Pavilion**, showcase for Italy's finest innovations and technologies for the Energy sector.



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