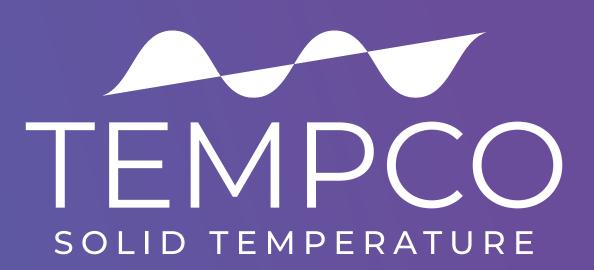
## ENGINEERING ENERGY



THE ONGOING INCREASE OF POWER GENERATION FROM RENEWABLE SOURCES IS A KEY FACTOR TO ACHIEVE THE SUSTAINABILITY GOALS THAT TEMPCO ALSO PURSUES BY DEVELOPING SOLUTIONS TO FOSTER ENERGY EFFICIENCY AND SMART ENERGY CONSUMPTION.

Global renewable generation capacity at the end of 2020.

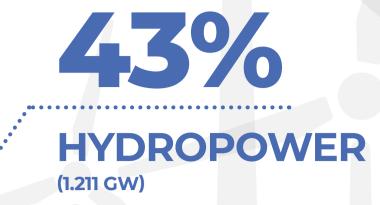


(733 GW)

**26% SOLAR** (714GW)

5% others

(127 GW BIOENERGY, 14 GW GEOTHERMAL, 500 MW MARINE ENERGY)



SOURCE: International Renewable Energy Agency, March, 2021 Renewable Capacity Statistics 2021.

### European Green Deal goals.

Reduction of net greenhouse gas emissions by **55%** by 2030, compared to 1990 levels. **40%** share of renewable energy target for 2030.

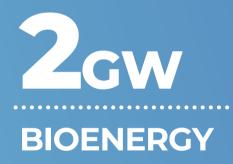
> SOURCE: European Green Deal updated July 14, 2021.

## China is the first market for renewable energy in the world.

Additional renewable capacity in China in 2020, 64% of the global additional capacity







72GW

**United States** are the second market for renewables in the world with **29GW** 

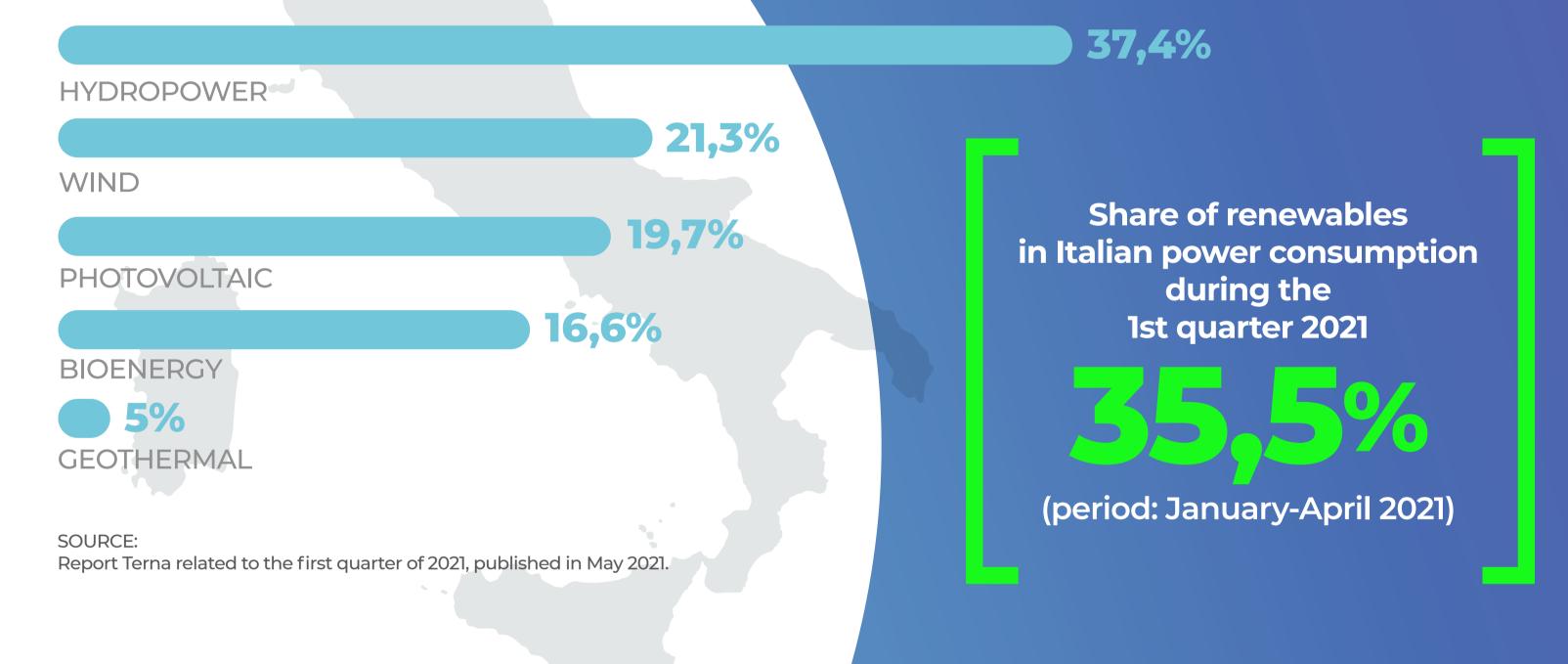
(additional renewable capacity 2020).

SOURCE: International Renewable Energy Agency, March, 2021 Renewable Capacity Statistics 2021.

## Renewables in Italy

#### Renewables share per typology in Italian energy market

(period January-April 2021)



# Growth forecast for renewables in 2021.

SOURCE: Global Energy Review 2021, IEA - International Energy Agency.





## Improvement in costs competitiveness of renewables

#### **62%**

of the total net increase in global renewable power generation capacity added in 2020 had costs lower then the lowest cost source of new fossil fuel-fired capacity.

Cumulative saving expected from the new renewable power generation projects realized in 2020 in emerging economies.

PHOTOVOLTAICSCPS<br/>CONCENTRATING<br/>SOLAR POWER)WIND<br/>ONSHOREWIND<br/>OFFSHORE-85%-68%-56%-48%

#### COSTS DECLINE OF ELECTRICITY FROM UTILITY SCALE RENEWABLES

(reference period: 2010-2020)

SOURCE: Report IRENA Renewable Power Generation Costs in 2020, June 2021.

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