



SolarPower  
Europe

# Role and perspectives and utility-scale PV in Europe

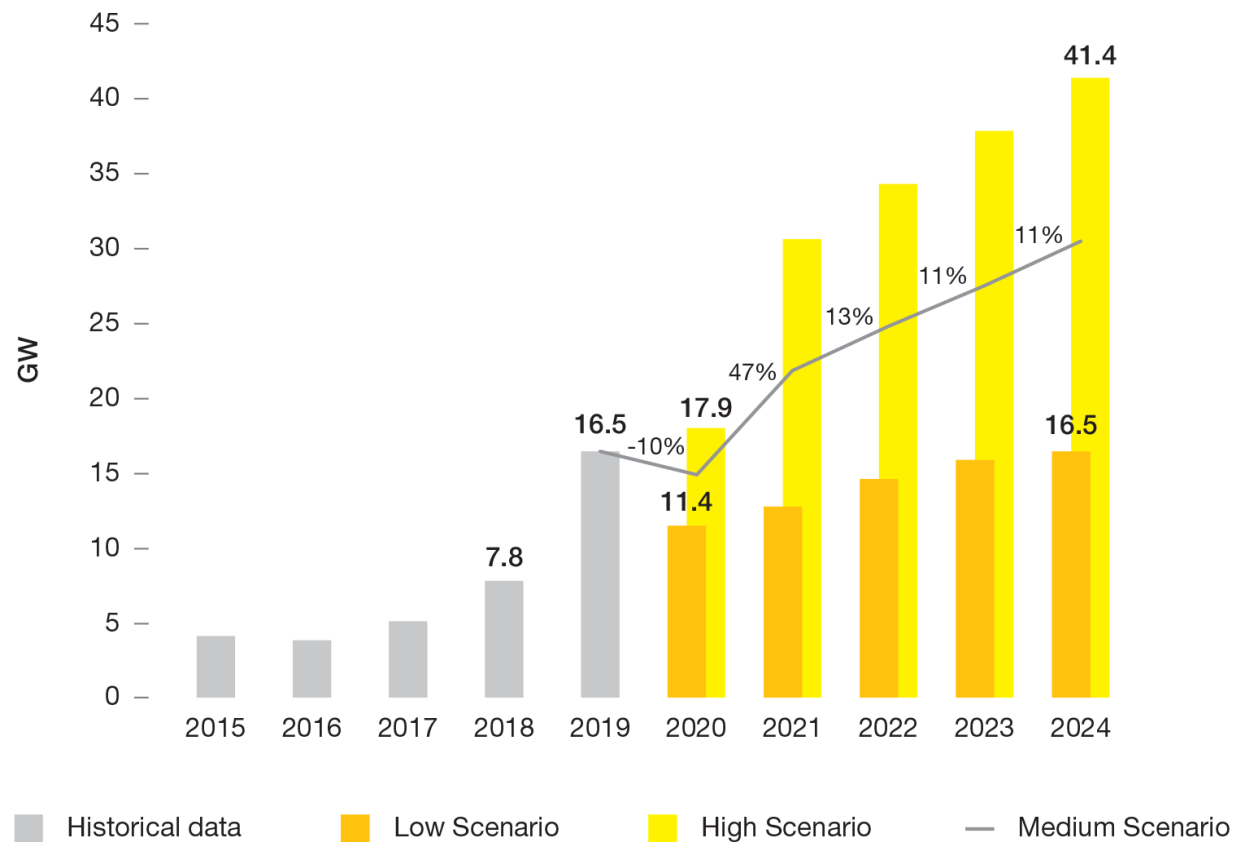
Webinar “Opportunities and challenges for utility-  
scale photovoltaics

Online, 5<sup>th</sup> November, 2020

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## EU27 ANNUAL SOLAR PV MARKET SCENARIOS 2020 - 2024



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## Solar has entered a new era of growth in Europe, despite the COVID crisis

Europe has installed **16.5 GW in 2019**, representing a +100% growth of the annual market from 2018.

**The COVID-19 crisis** has slowed down the market in the short term, but will not disturb the expected growth of the market in the medium term.

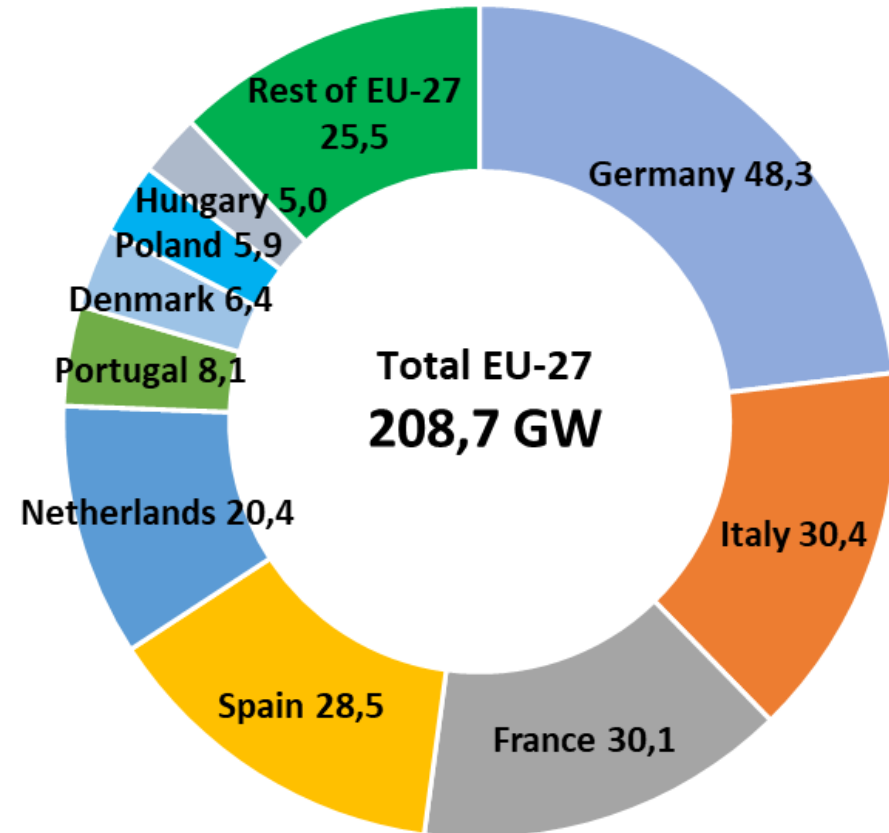
The annual market is set to **a double-digit growth** according to our forecasts.

# Solar will be the new “king” of the world’s electricity markets in the next years

The National Energy and Climate Plans pledge **209 GW of new PV capacity by 2030**, or 19 GW p.a between 2020 - 2030.

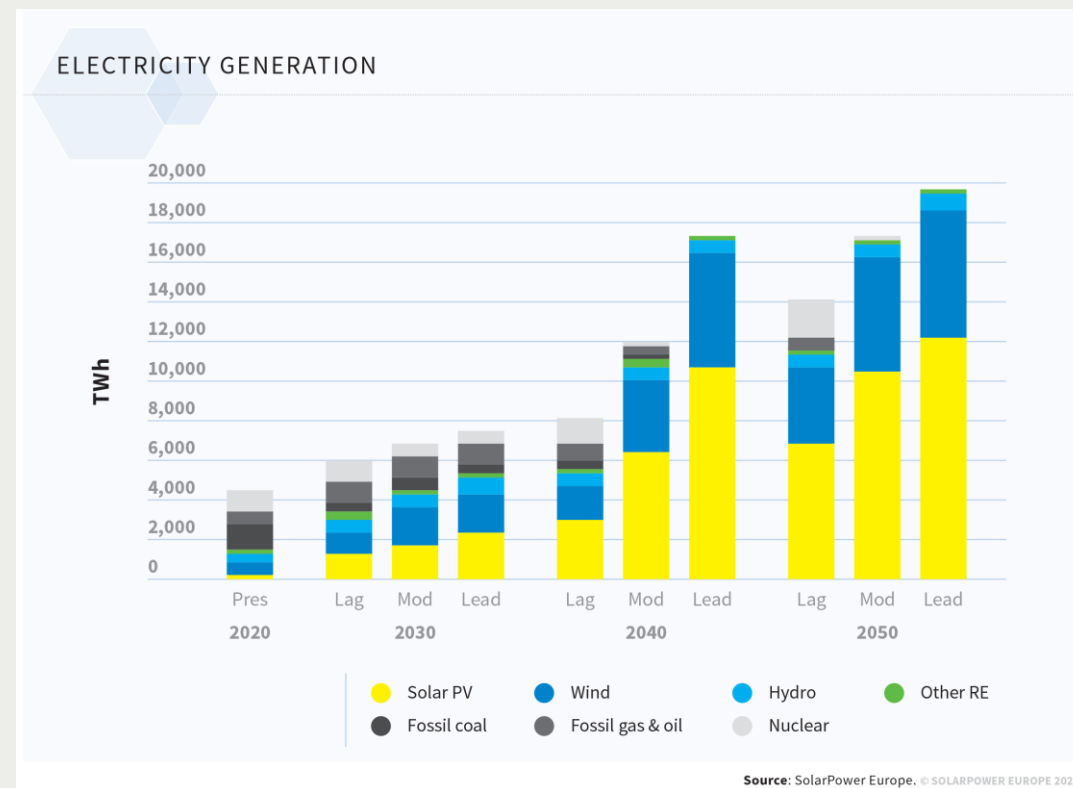
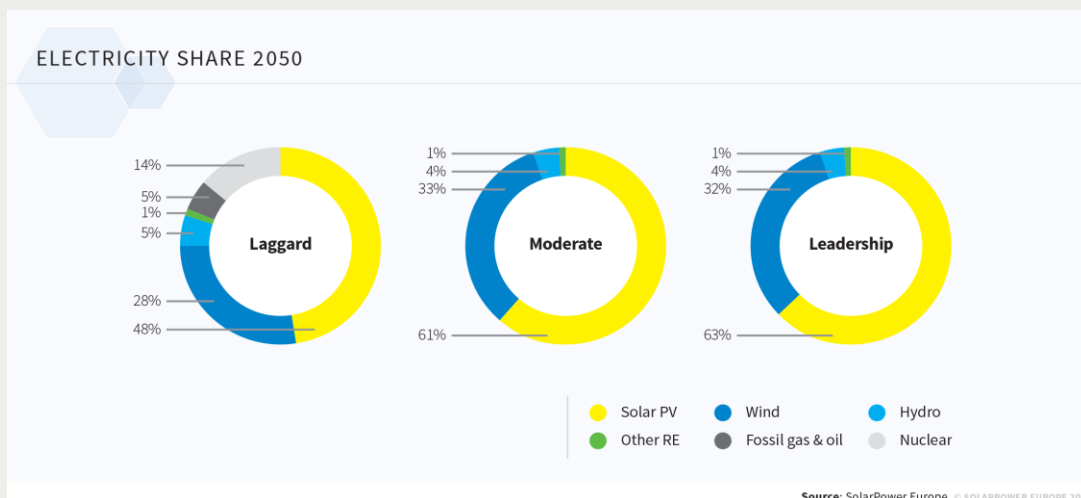
Solar will be **the first electricity capacity installed in Europe** in the next five years according to Dr. Fatih Birol.

Net PV capacity additions through 2030 by country (GW)



# In the long-term, solar will power Europe's energy system

A **100% renewable energy system is primarily a solar story**. As of 2040, solar PV becomes the dominant source of electricity generation across all three scenarios in Europe. By 2050, reaches at least 48% in the Laggard scenario and up to 63% in the Leadership scenario (SolarPower Europe 2050 study).



How do we get there?

# Strong and green recovery plans



**EU “Recovery and Resilience Facility” (€672.5 billion, under negotiation):** fiscal stimulus to counter the effects of the COVID pandemic, to be disbursed from 2021 to end of 2023.

**National recovery plans** must be drafted by April 2021.

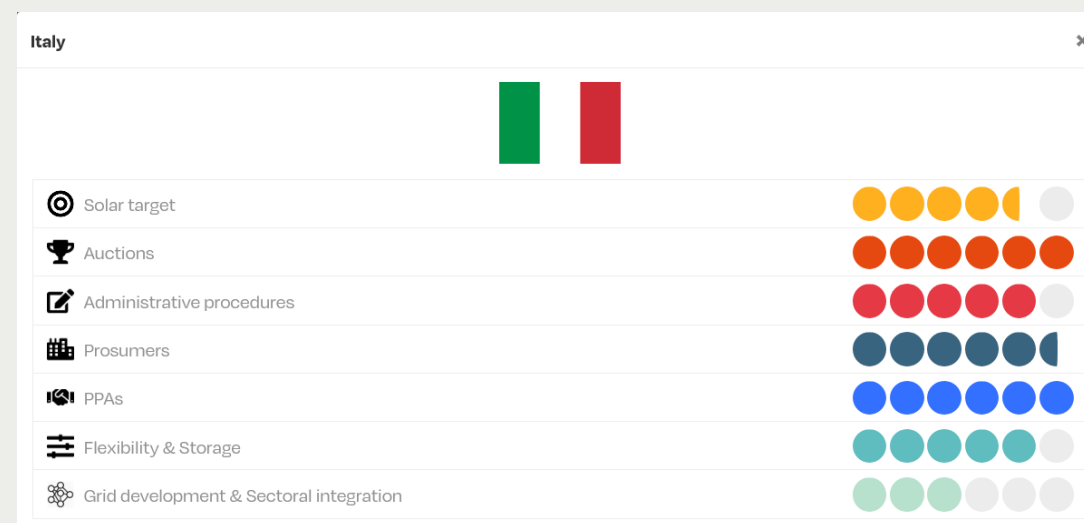
**The Recovery & Resilience Plans are a unique opportunity for Member States to invest into solar and boost the clean energy transition, enable sustainable growth, and create green jobs.**

- 1. Boost utility-scale solar and storage**
- 2. Roll out solar-rooftop and storage programmes**
- 3. Promote electrification**
- 4. Support the European solar manufacturing sector**
- 5. Reconvert former coal and industrial sites with solar**
- 6. Finance training & re-skilling programs**

# National Energy and Climate Plans are key

Beyond providing an ambitious targets for renewable and clean technologies, **National Energy and Climate Plans** must provide the right conditions for renewable energy development:

- Visibility and clarity on tenders' volumes and timeline
- Enabling frameworks for innovative business models: prosumers and PPAs
- Streamlined and simplified administrative procedures
- A robust framework for the grid integration of solar: a plan to develop flexibility resources and to modernise the (transmission and distribution) grid planning and operation.



GENERAL VIEW

TARGETS

AUCTION SYSTEM

ADMINISTRATIVE  
MEASURES

PROSUMERS

PPAS

FLEXIBILITY & STORAGE

GRID DEVELOPMENT

# SolarPower Europe's analysis of the NECPs: the EU Solar Map

[For more information: access  
SolarPower Europe's Solar map.](#)







Thank you for your  
attention.

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