SPACE FOR GREEN GROWTH AND CLEAN ENERGY

Regulation and Policy on the Clean Energy Sector – a solar perspective

Walburga Hemetsberger
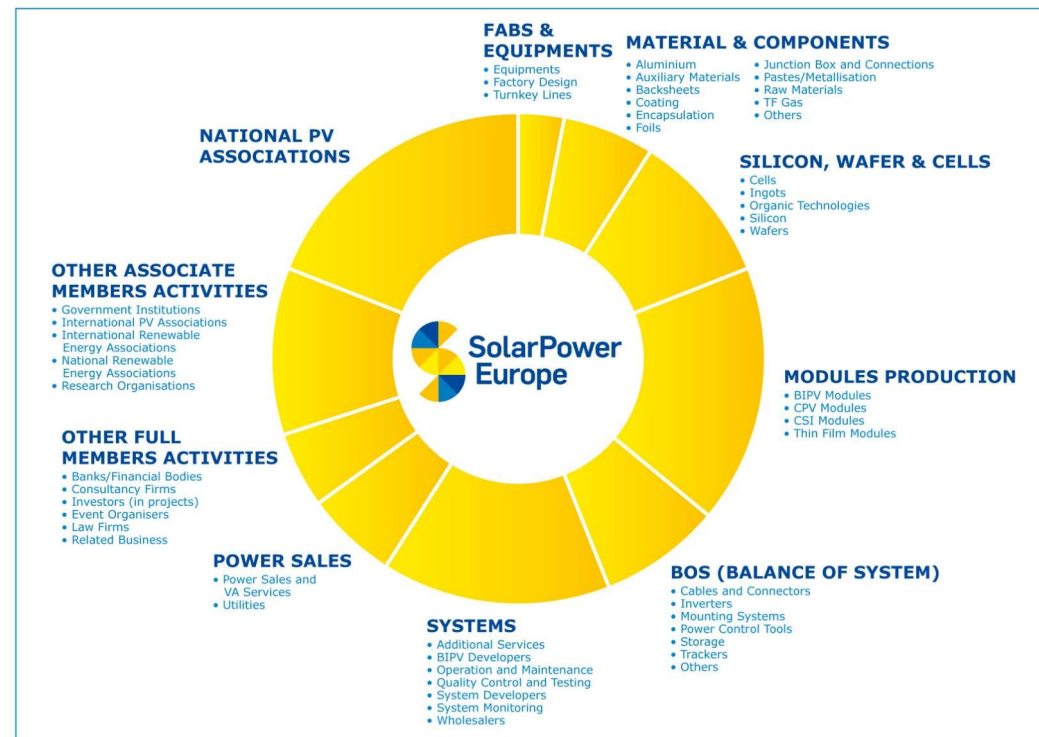CEO of SolarPower Europe

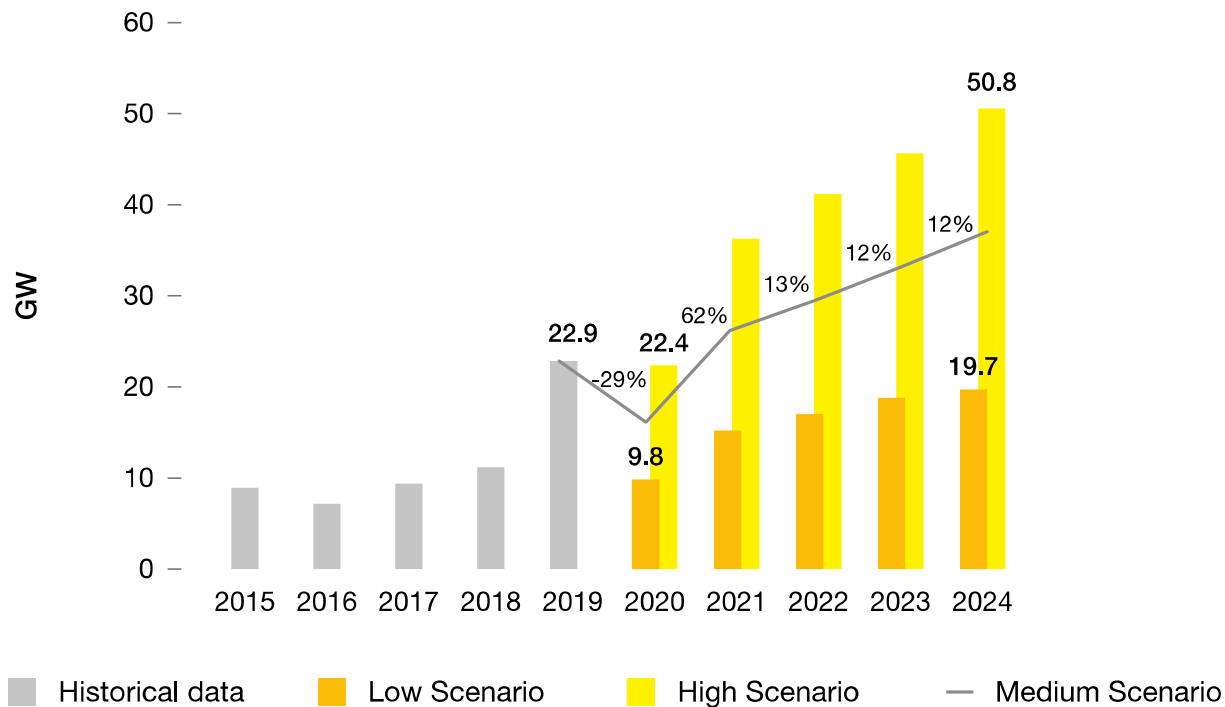SolarPower Europe

#ShineOnSolar   #RenewableEU

✓ **We represent over 200 organisations from the whole solar value chain**

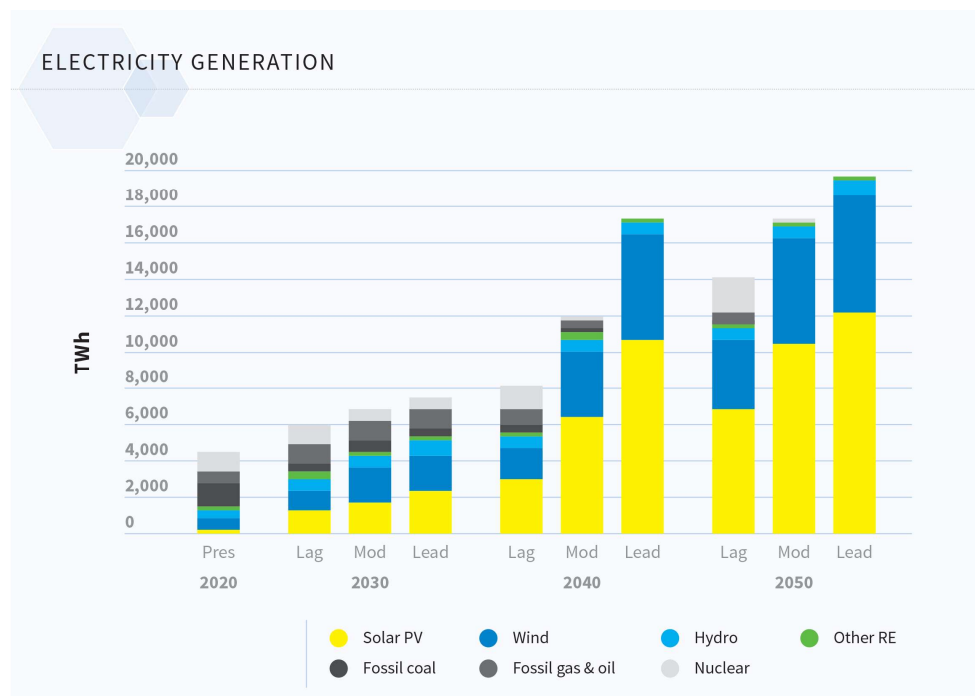✓ **We help shape the policy environment and make business happen in the solar industry**

A new era of **Growth** for Solar has started in Europe

Europe solar generation capacity expected to grow strongly post-2020 once the COVID-19 short-term impacts on the solar market begin to fade out

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Looking forward, solar is set to be **the dominant source of electricity generation** in Europe.

ELECTRICITY GENERATION

Legend:
- Solar PV
- Fossil coal
- Wind
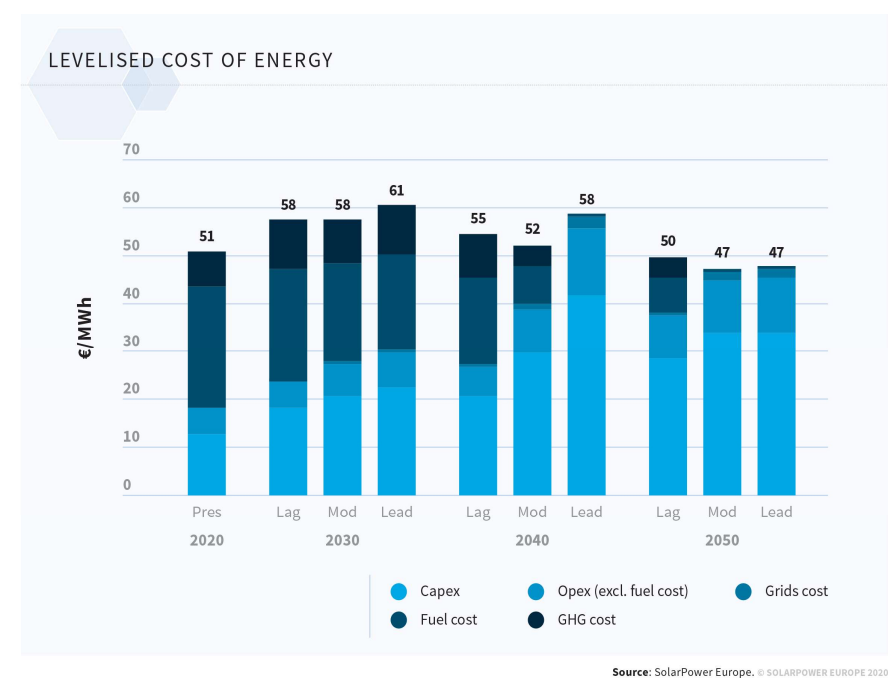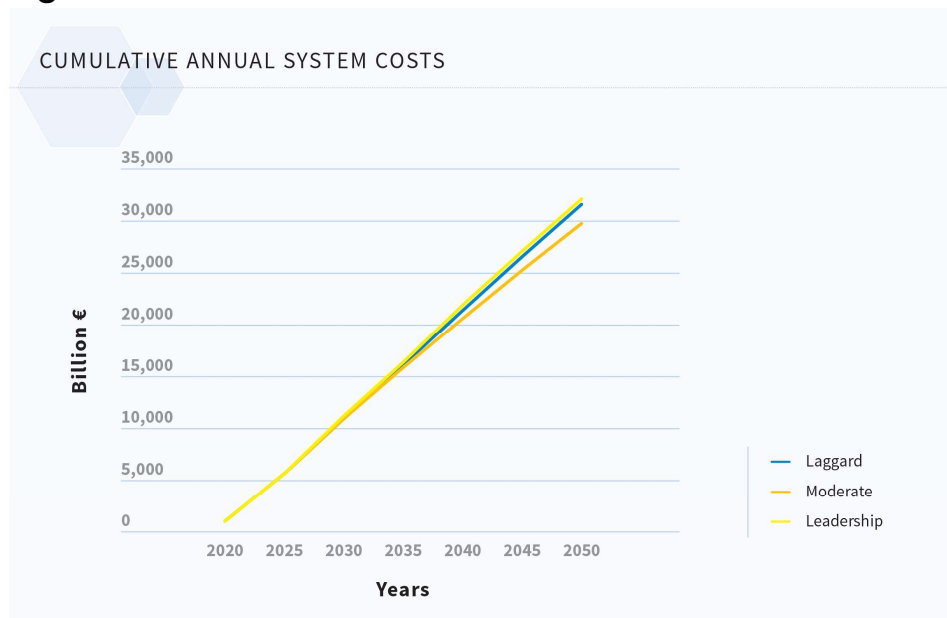- Fossil gas & oil
- Hydro
- Nuclear
- Other RE

Source: SolarPower Europe. © SOLARPOWER EUROPE 2020

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.

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A 100% renewable energy system is **the most cost-efficient way to become climate neutral by 2050**.

The cumulative costs of achieving a 100% renewable energy by 2050 in the Moderate scenario are **6% lower than the cost of inadequate action** in the less ambitious Laggard scenario, which reaches only 62% renewables by 2050, thus missing both the targets of European climate neutrality and the Paris Agreement.

CUMULATIVE ANNUAL SYSTEM COSTS

— Laggard
— Moderate
— Leadership

LEVELISED COST OF ENERGY

- Capex
- Opex (excl. fuel cost)
- Grids cost
- Fuel cost
- GHG cost

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The foundations have been laid by the acquis of the **Clean Energy Package**

Clean energy for all Europeans

- ✓ **32%** renewable energies by 2030, with an upward revision clause in 2023

- ✓ Clarity & non retroactivity for **support schemes**

- ✓ Simplified **administrative procedures** (one-stop shop for permitting, simple notification grid connection)

- ✓ Right to individual & collective **self-consumption**

- ✓ Enabling framework for **Power Purchase Agreements**

- ✓ Improved **market access** to aggregators and solar and storage

- ✓ New rules for **grid operators**

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Next: as part of the European Green Deal, the EU prepares legislation that will **enshrine climate-neutrality into law**

In March 2020 the European Commission proposed **the European Climate Law**: the framework to achieve climate neutrality by 2050

Key features:

- 2030 targets increased to **50% or 55% GHG emission reductions** from current 40%

- Revised EU legislation – including a **higher RES target**

- **2030-2050 EU-wide trajectory** with 5-year assessment of progress

Next steps: The European Parliament and Council negotiations expected to begin in September
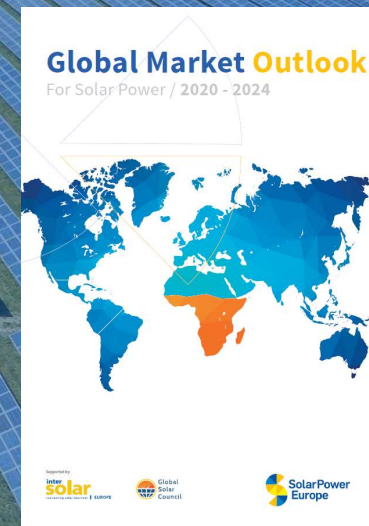
EU COVID Recovery plan to boost green and digital

EU recovery package "Next Generation EU" (€750 billion, under negotiation): fiscal stimulus to counter the effects of the COVID pandemic, to be disbursed from 2021 to end of 2023

Thank you for your attention.

Walburga Hemetsberger
CEO of SolarPower Europe

Global Market Outlook
For Solar Power / 2020 - 2024

100% Renewable Europe
How To Make Europe's Energy System
Climate-Neutral Before 2050

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The reports are for download
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