



SolarPower
Europe

Solar PV Industry working together with Grids

Workshop 2: RES requirements and rights

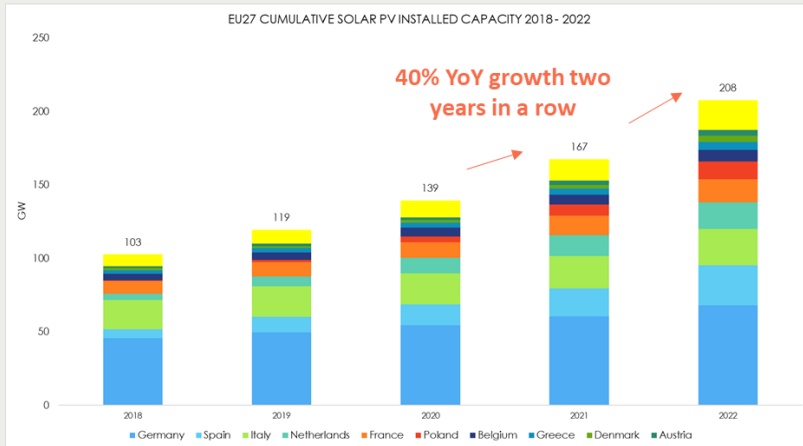
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Solar PV is GROWING, but grids are not...

Solar grew exponentially in the last years



Today

2040

+80 million km of grid build and reinforced

IEA 2023 Grids Report

... Meanwhile, Europe needs to make the most of existing infrastructure! How? **Flexibility**

The **Green Deal** and the **REPowerEU** are boosting Solar PV growth in the EU to unprecedented levels.

.... And it will grow even more by 2030



But slow Development (EU+UK in GW)
Eurelectric

4.5 2022

6 2023

129 2030

Massive Flexibility Needs

X 2

For flexibility resources by 2030 (JCR)

X 7

For flexibility resources by 2050 (JCR)

>200 GW

For electrical storage by 2030 (SolarPower Europe)

Challenges & Actions

Embrace a **forward-looking** mindset aligned with RePowerEU objectives, backed by **political support**

01

Review the **EU governance** framework and adapt it to distribution grid enhancement, thanks to the **appropriate monitoring tools**

02

Standardise and digitalise administrative procedures (grid connection)

03

Streamline **flexibility** through national targets & action plans

04

Allow and encourage **technology and regulatory innovation**

05

RES vs Grid Planning

Incentivise Flexibility

Grid Visibility

Grid connections

Energy sharing and Prosumers Integration

RES Curtailment

Network Codes at EU level (RfG and DR)

Thank you for your attention!

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