



CHRISTOPHE ARNAUD  
TENDENCIES IN SOLAR PV

# Tendencies in solar PV

At the core of the energy transition

## SolarPower Europe

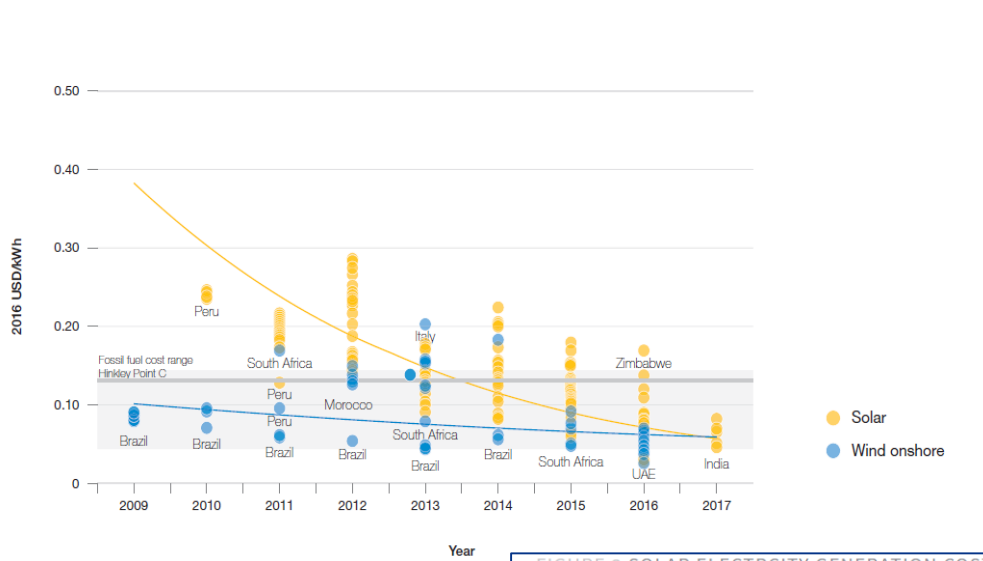
Christophe ARNAUD

Lisbon, APREN Conference – 25 October 2017



# Solar: a cost reduction success

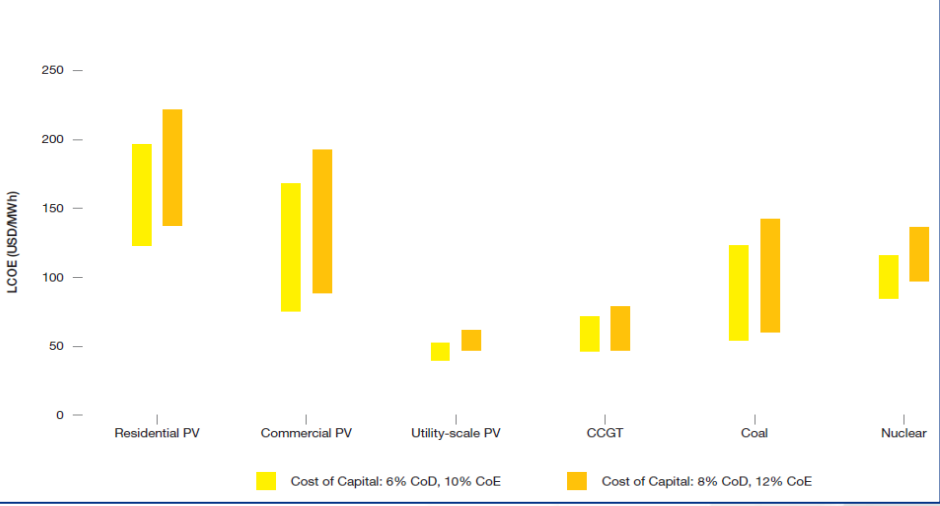
FIGURE 1 PPA PRICE OFFERS FOR SOLAR PV AND WIND ONSHORE POWER PLANTS IN DIFFERENT COUNTRIES



Source: International Renewable Energy Agency (IRENA)

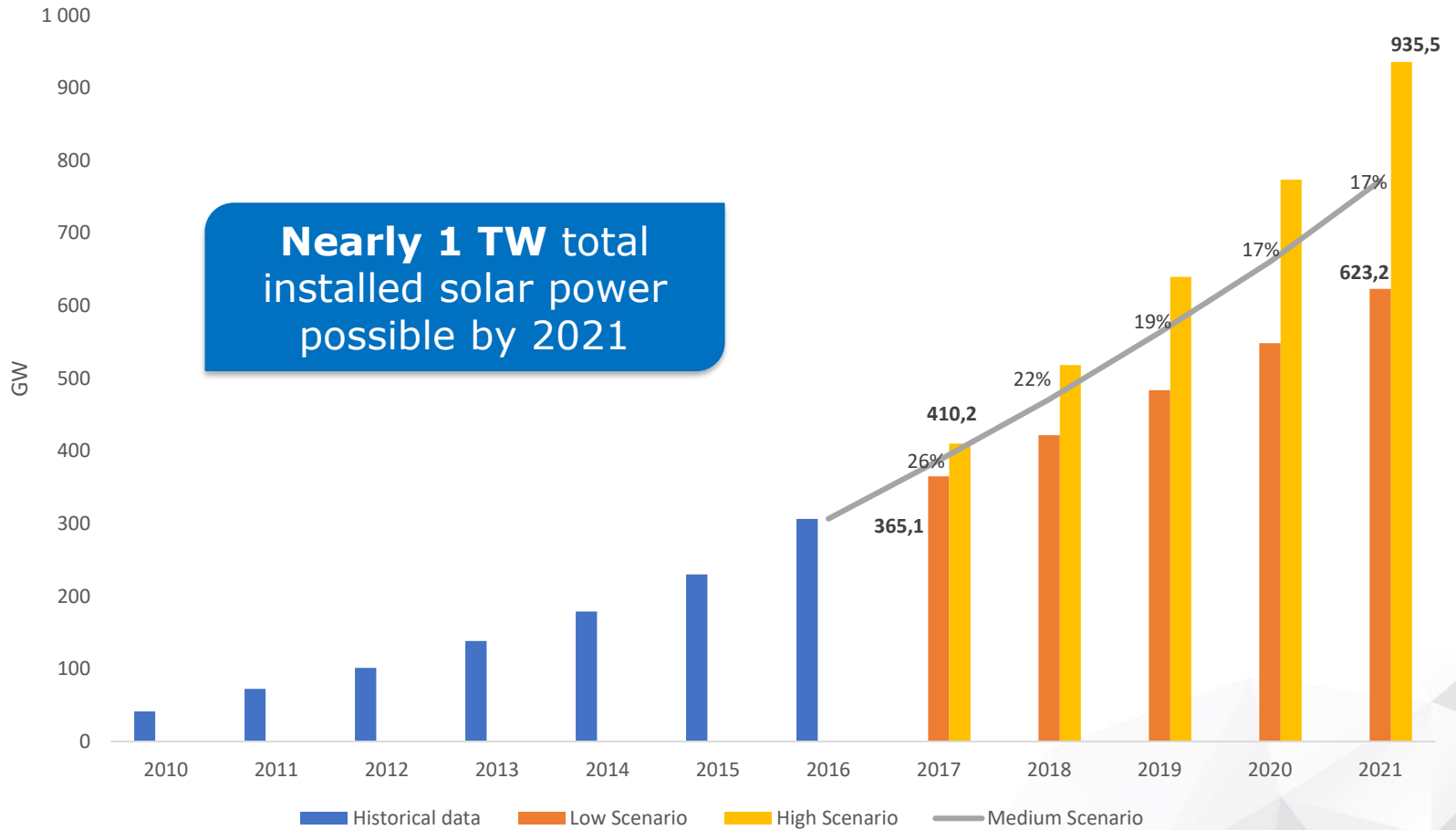
**Utility-scale solar is today already cheaper than new gas, coal and nuclear power plants**

FIGURE 2 SOLAR ELECTRICITY GENERATION COST IN COMPARISON WITH OTHER POWER SOURCES

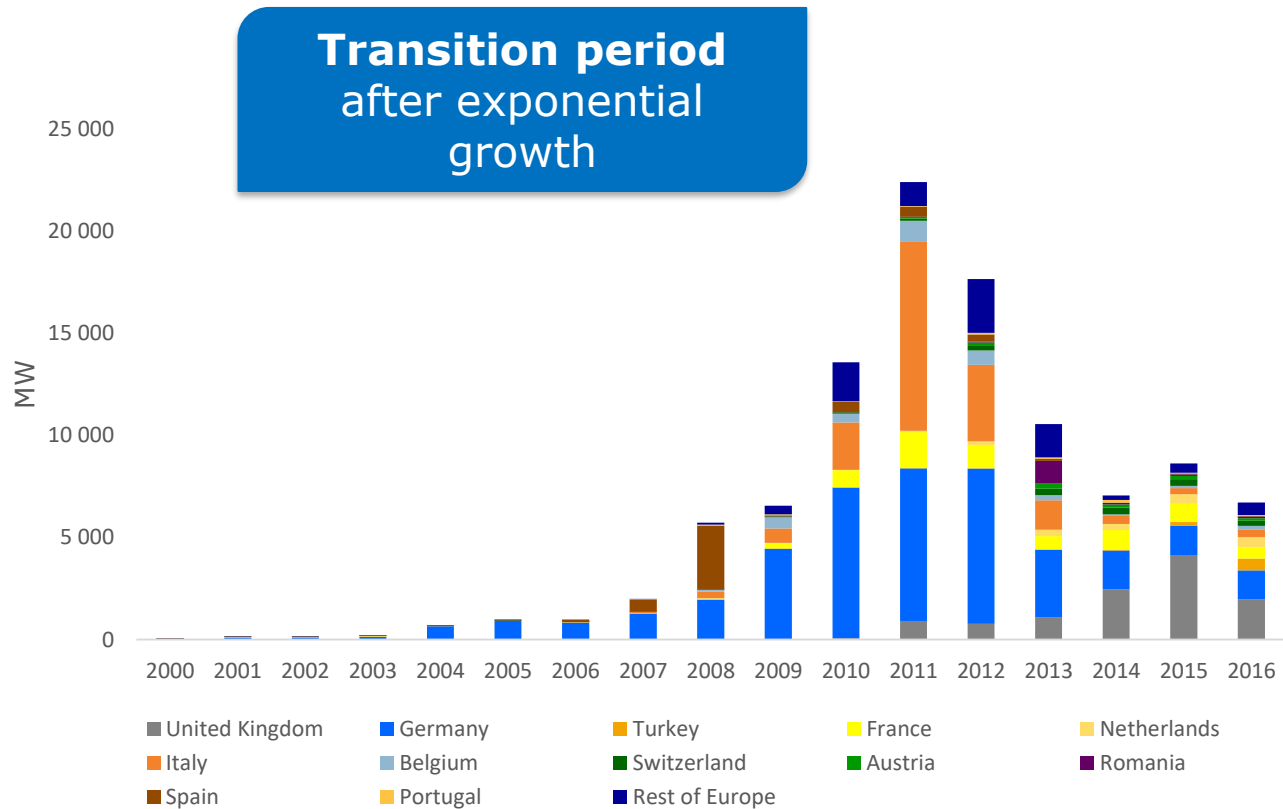


# Growth perspectives

WORLD TOTAL SOLAR PV MARKET SCENARIOS 2017 - 2021



# Consolidation phase in Europe

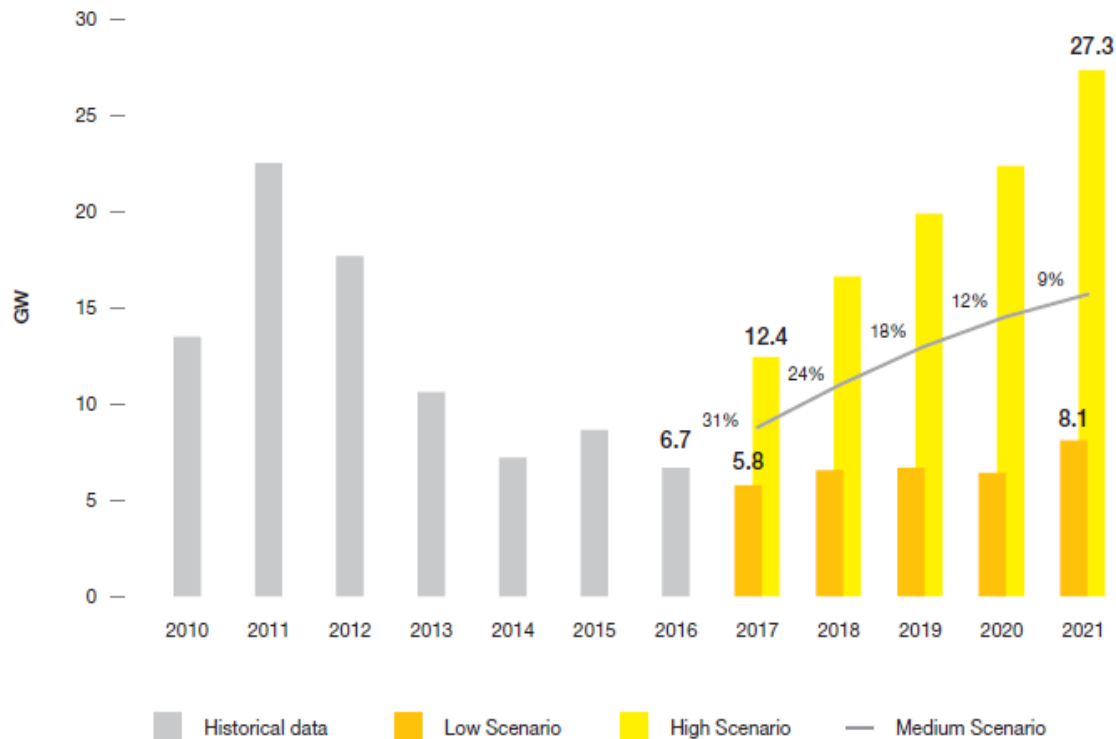


European Solar PV annual grid connections 2000 - 2016 in selected countries

# Policy decisions will have a key role

Europe expected to start **new growth phase**

FIGURE 17 EUROPEAN ANNUAL SOLAR PV MARKET SCENARIOS 2017 - 2021



# Setting the EU framework for the next 10 years

The **Clean Energy package** must drive the almost complete decarbonisation of Europe's power system through the **next investment cycle** by setting out:



A reliable **governance** to  
steer investments in renewable energy and in flexible assets  
and  
organise the orderly retreat of inflexible polluting plants



**Market rules** which  
allow for a market-based energy transition and  
enable a flexible system to harness renewable energies when  
they are abundantly available



A modernised **framework for renewable energies** which  
Ensures predictability and the uptake of new business models  
and  
puts prosumers at the core of the energy transition

# Consumer empowerment at the heart of the EU proposal

A transition towards a more **decentralized** and participative electricity system





# Additional crucial topics also currently discussed at EU level



**Not only** the Clean Energy Package is relevant

# A bright future ahead of us

**Grasping opportunities and developing new ones**



# Thank you

[C.Arnaud@solarpowereurope.org](mailto:C.Arnaud@solarpowereurope.org)



**SolarPower Europe (European Photovoltaic Industry Association)**  
Rue d'Arlon 69-71, 1040 Brussels, Belgium  
T +32 2 709 55 20 / F +32 2 725 32 50  
[info@solarpowereurope.org](mailto:info@solarpowereurope.org) / [www.solarpowereurope.org](http://www.solarpowereurope.org)