

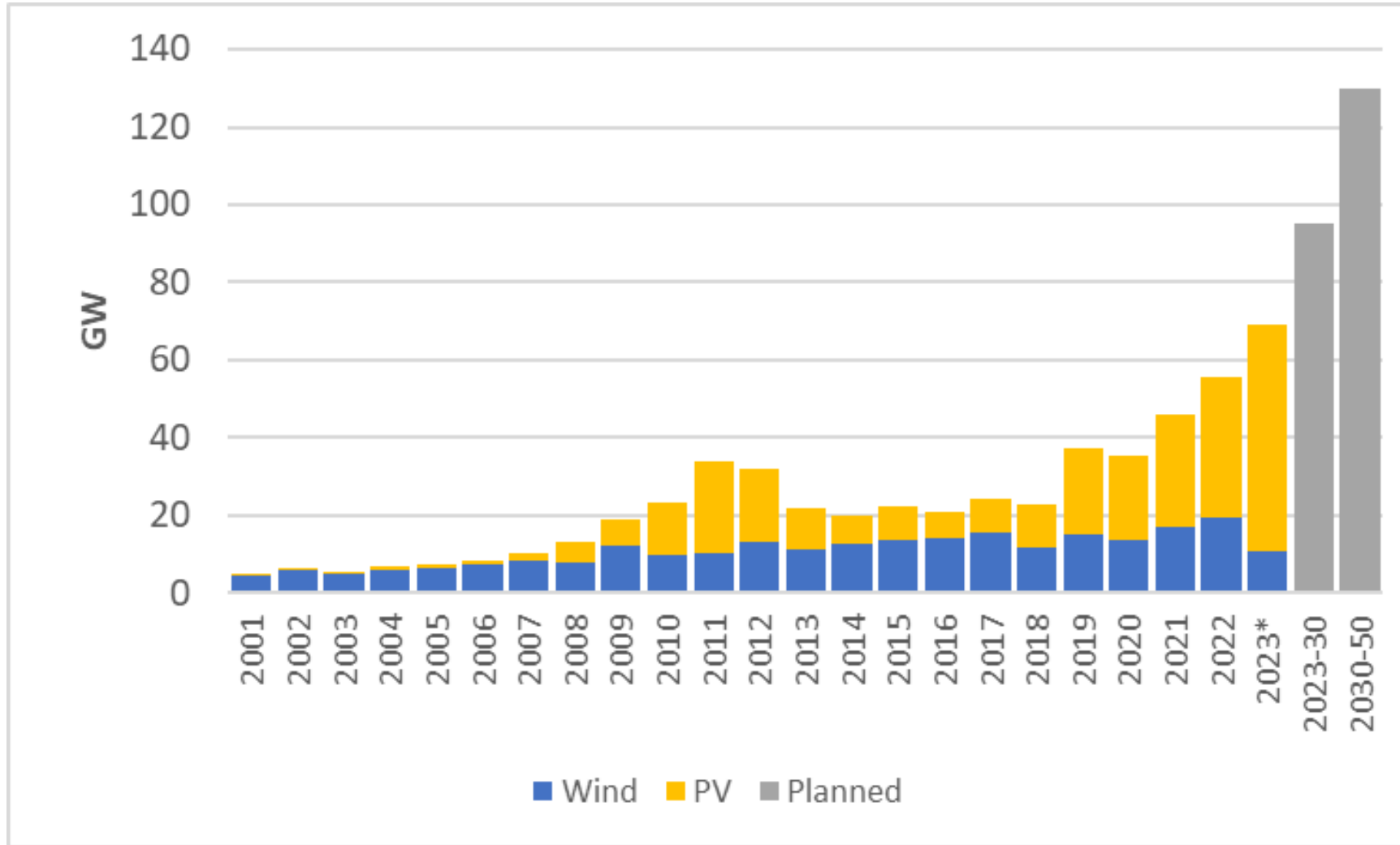


**NEW MARKET DESIGN AND THE ROLE  
OF PPAs AND CFDs**

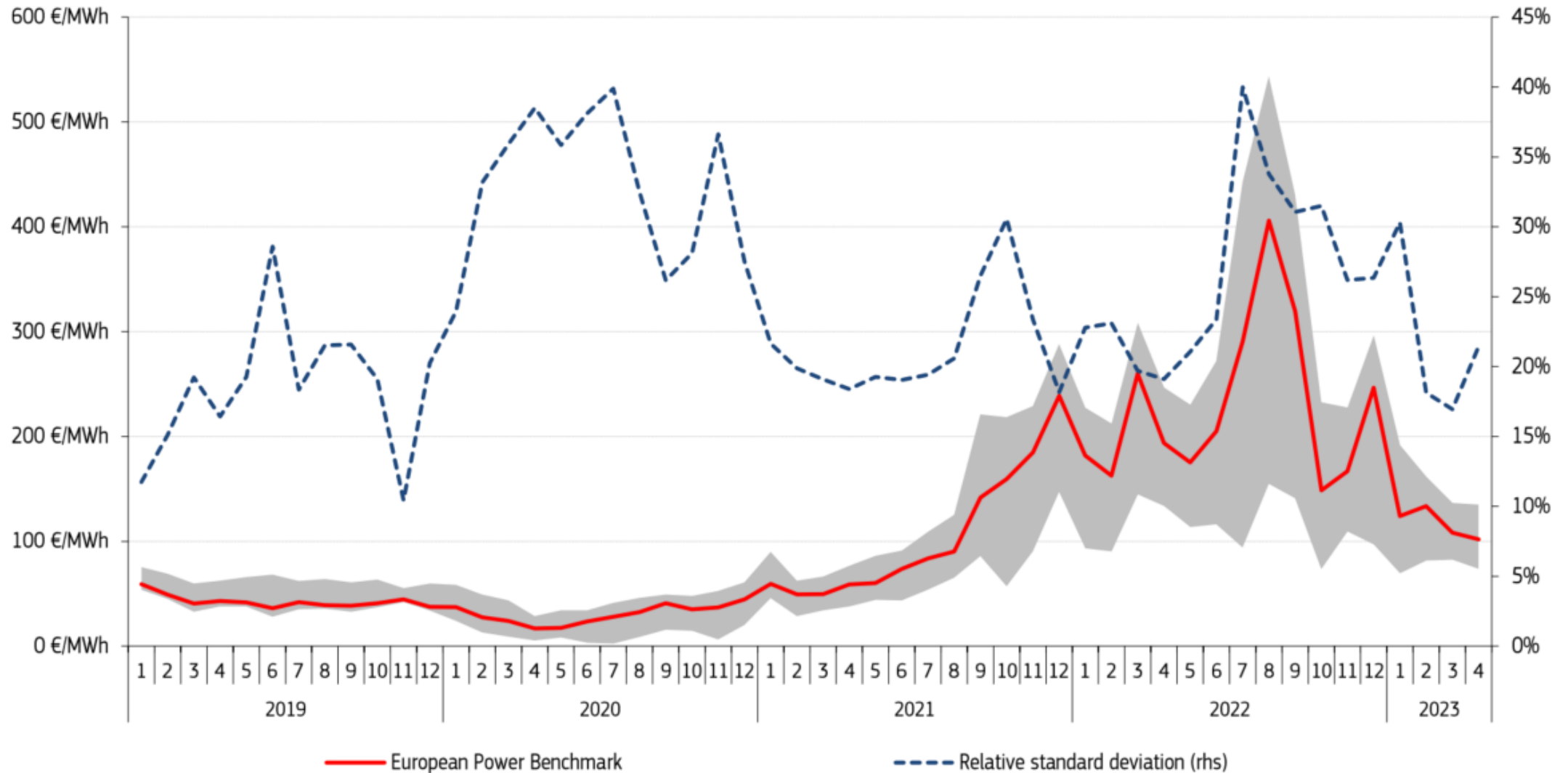
**László Szabó**

Director  
REKK

# EUROPE – PV and Wind developments and planned capacity expansion

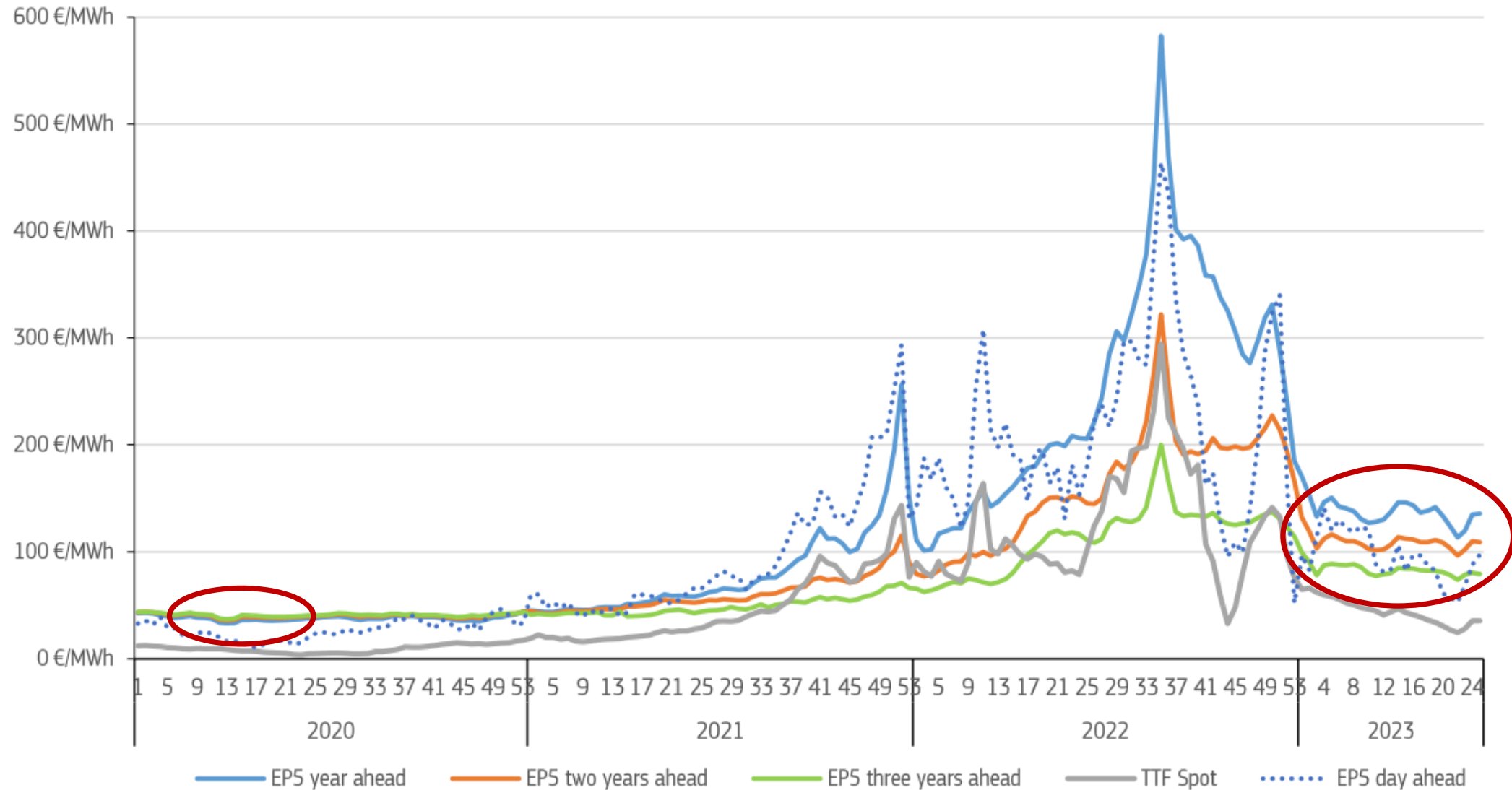


# European electricity prices and volatility



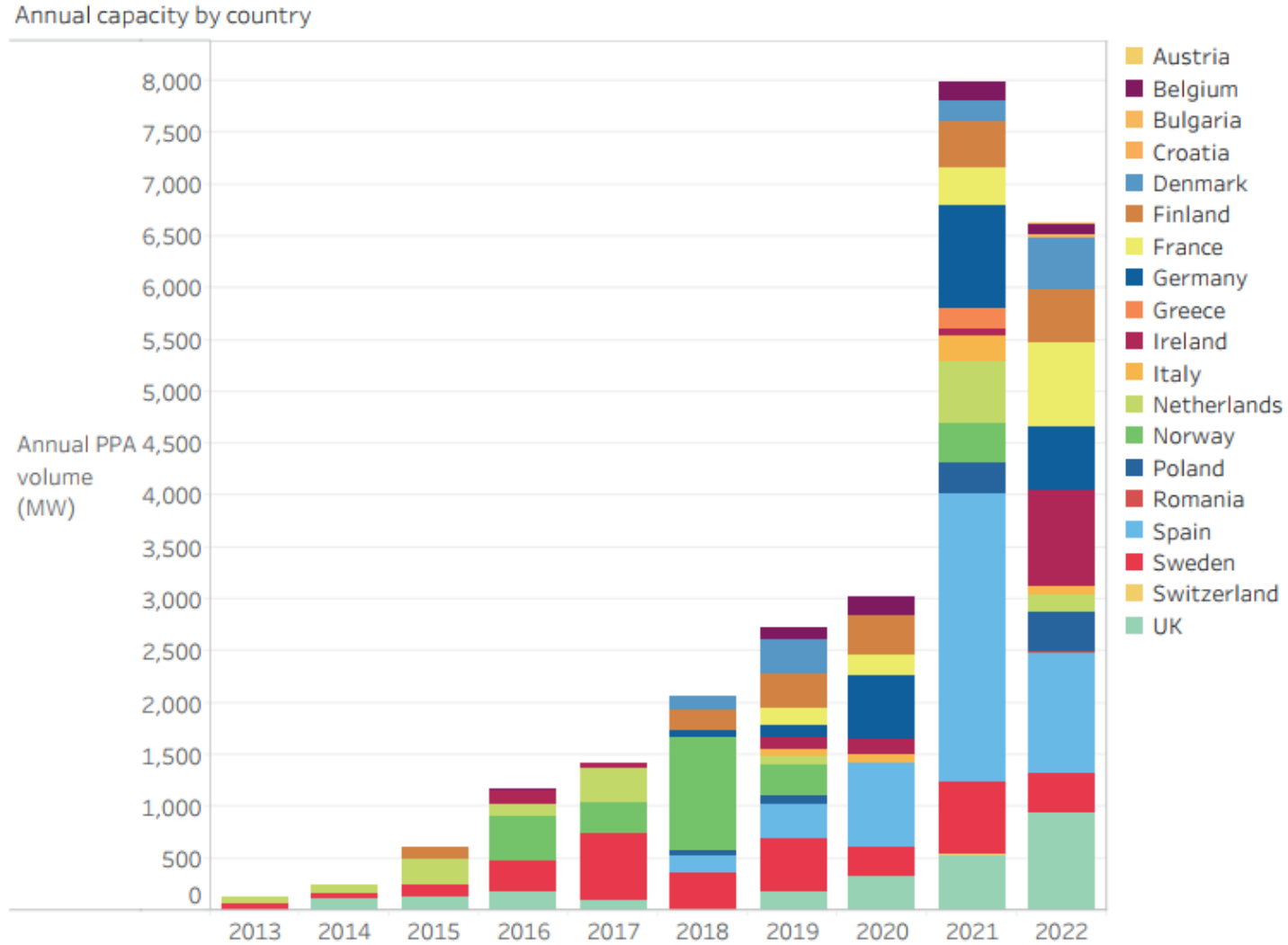
Source: S&P Global Platts, European power exchanges. The shaded area delineates the spectrum of prices across European regions.

# Future prices – weighted average of EU markets



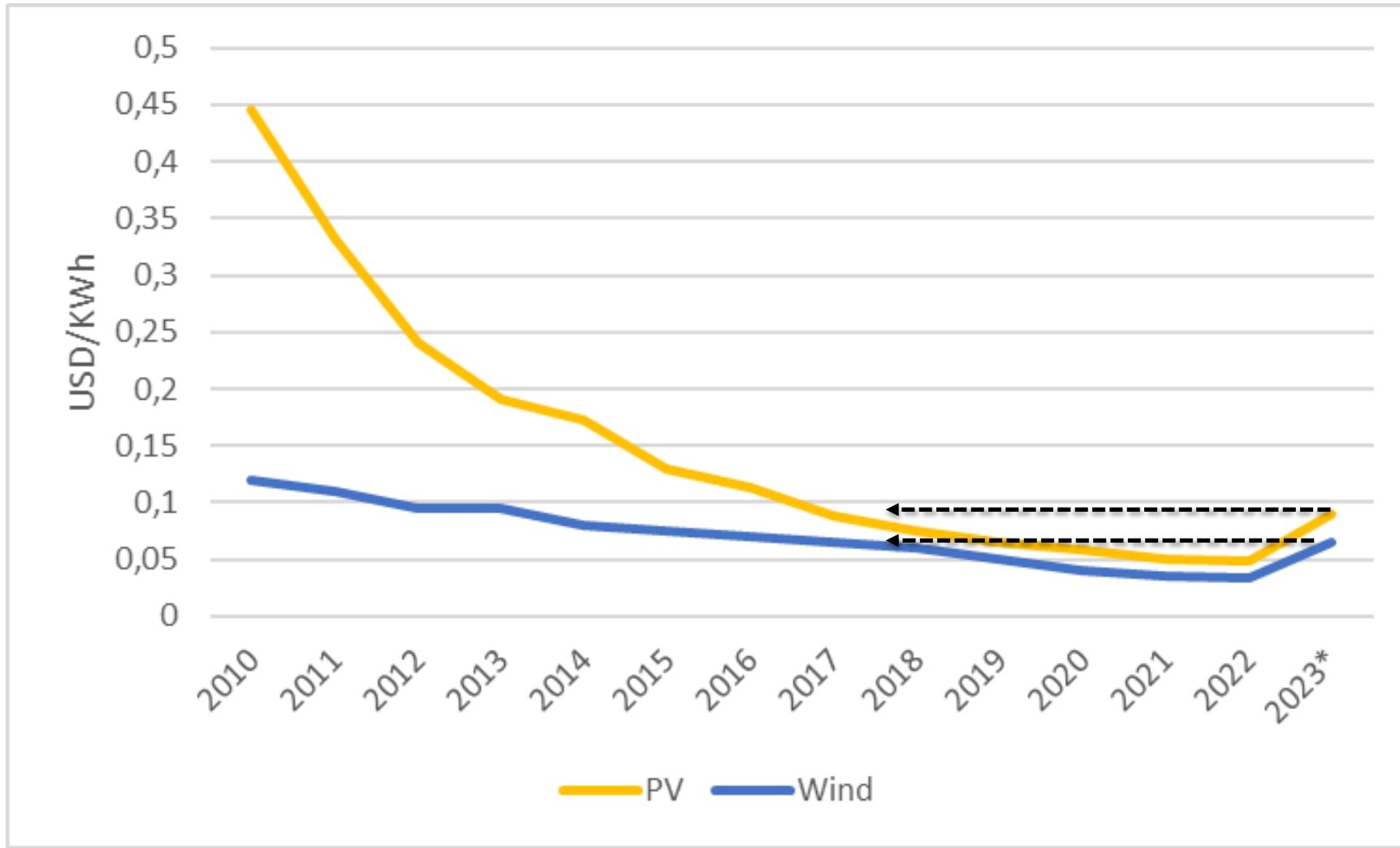
Source: EU Quarterly report 2023, based on S&P Global Platts

# Annual PPA volumes (MW)



Source: WindEurope

# LCOE development

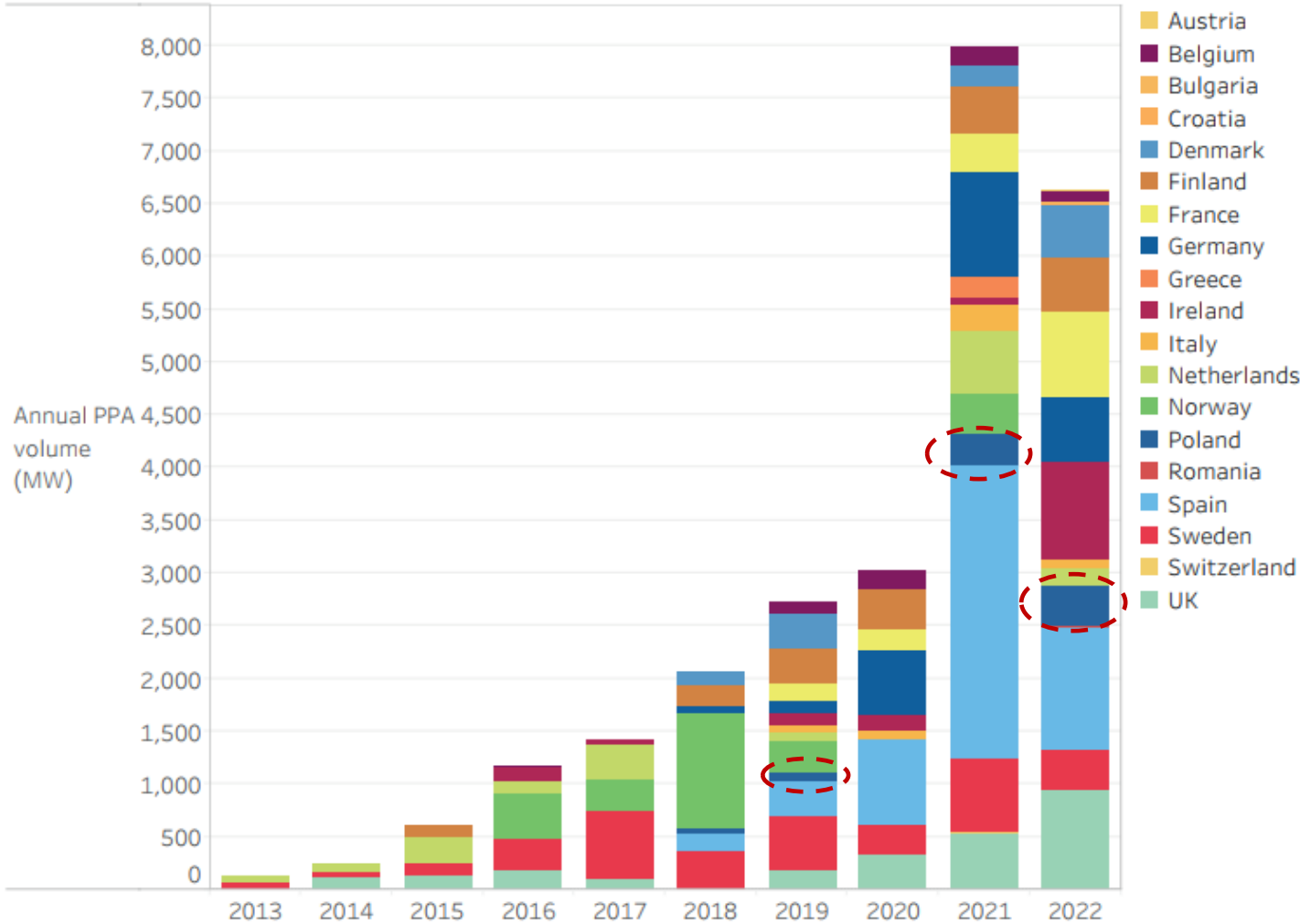


Source: IRENA, Renewable Power Generation Cost study, PV Magazine

# Part II

# Annual PPA volumes (MW)

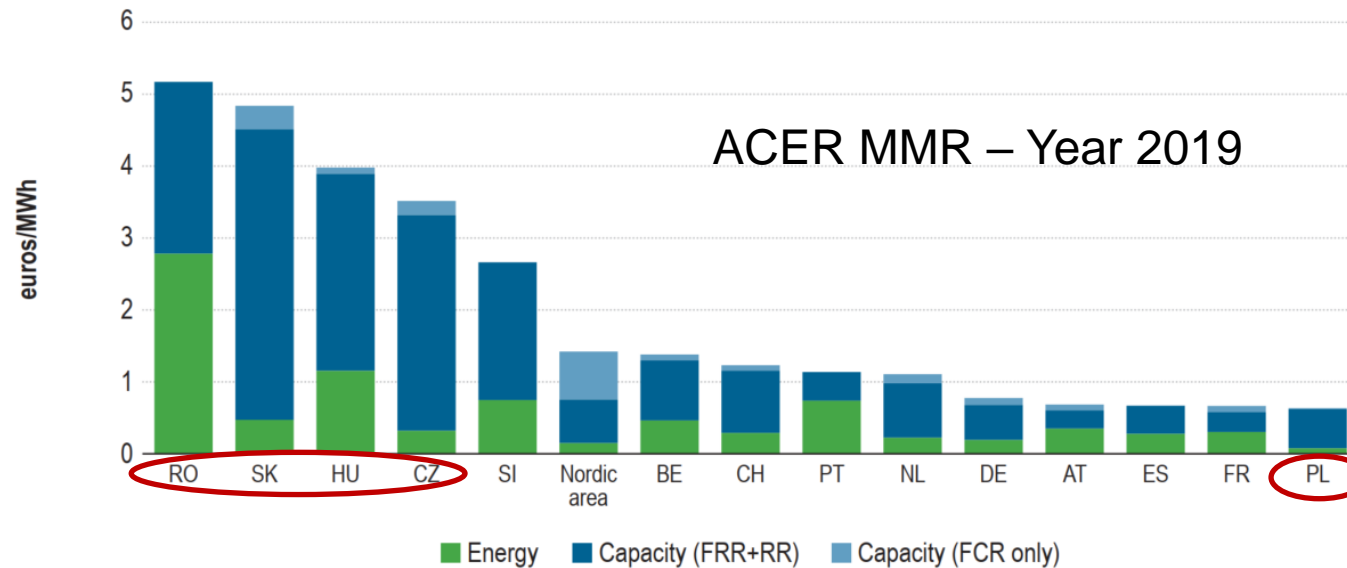
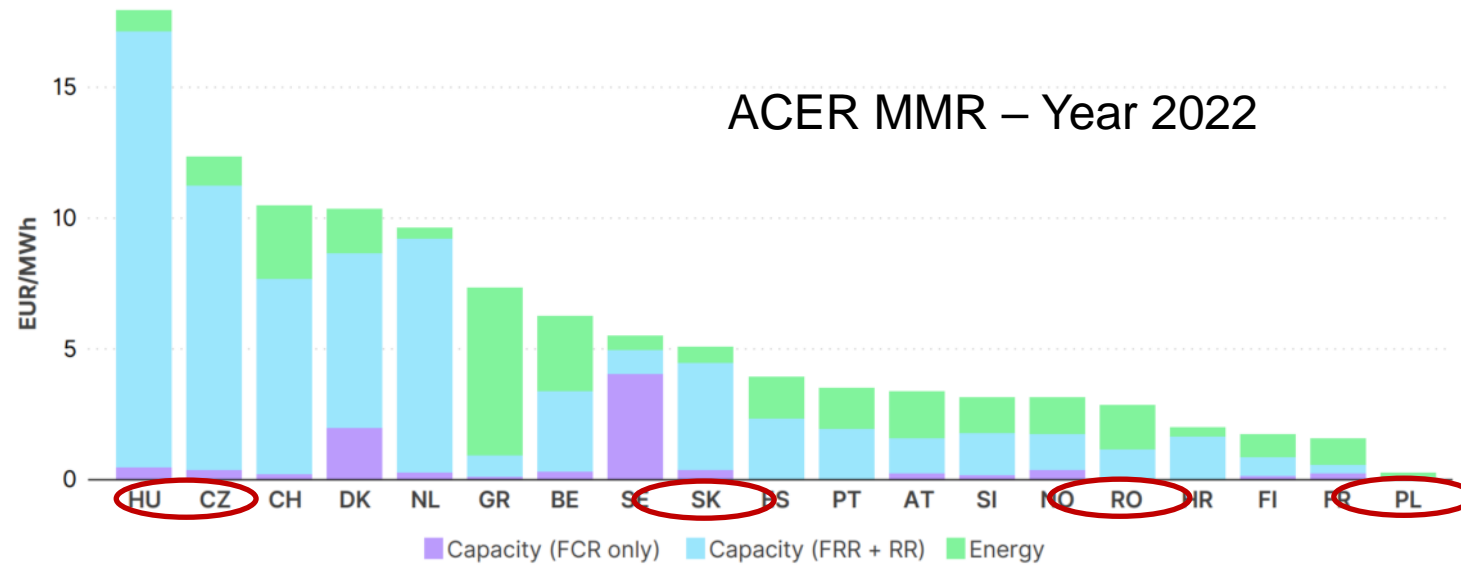
Annual capacity by country



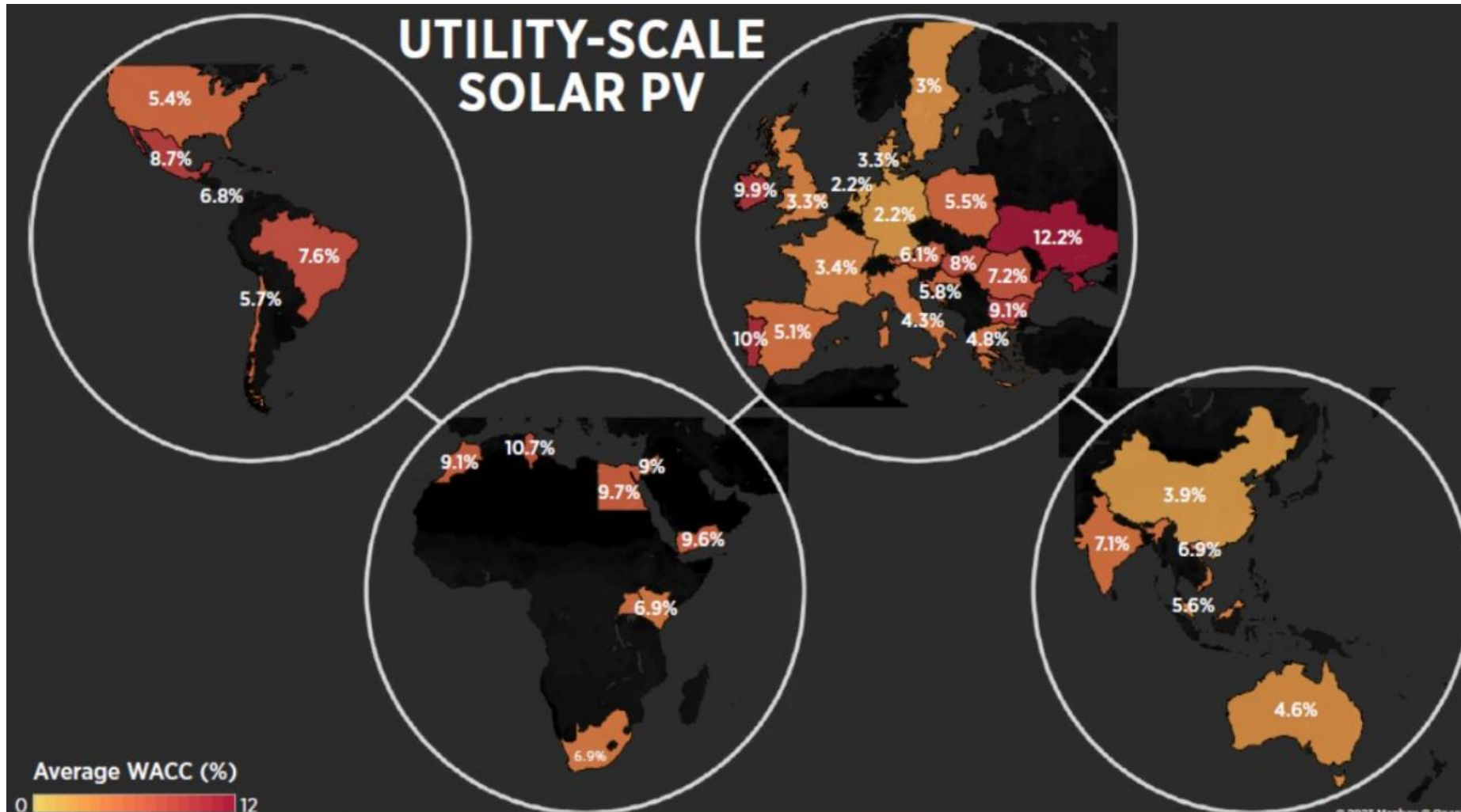
- CEE region is under-represented
- RO and PL have the highest PPA activity in the region, but still the region lags behind
- Are we just starting?



# Balancing energy costs – 2019-2022



# Financing cost of Renewables



Source: Renewable Marketwatch.com 2023 based on IRENA - data refers to 2019-2021

**Thank you for your attention!**

**László Szabó**

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