

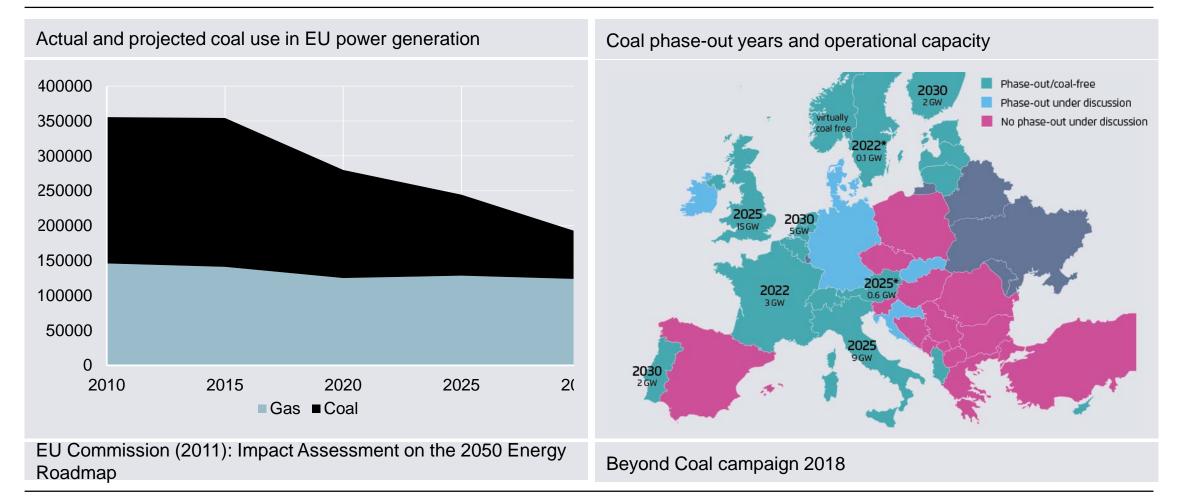
Energy Community Sustainability Forum

Plenary 1: Accelerating the clean energy transition

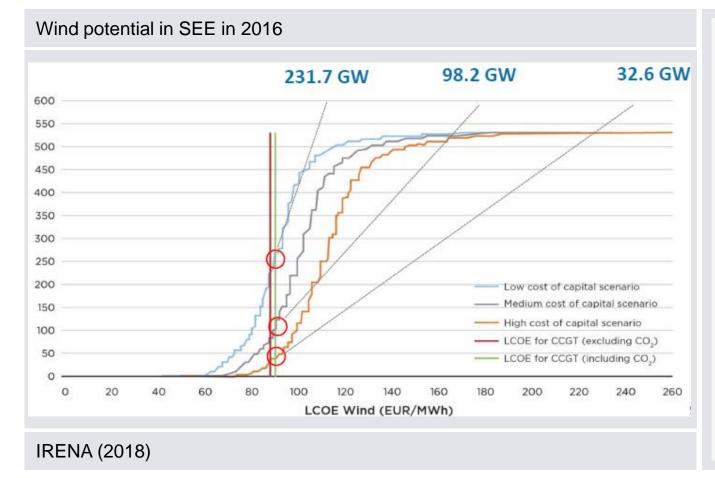
Matthias Buck VIENNA, 22 JUNE 2018

The EU climate & energy targets imply halving of coal-fired capacity by 2030 Western Europe is phasing-out coal; East & South-East Europe not (yet).





The new EU renewable energy target implies 55% share of renewable electricity by 2030 South-East Europe has huge cost-competitive potential



- → PV and wind characterized by a high share of fixed costs and very low (often close to zero) variable operating costs
- Conditions for financing of the initial investment are major determinant of cost of generated electricity
- → Financing conditions reflect ex ante risk perception. Reducing ex ante risk is key to reducing investment cost
- Targets, stable regulatory frameworks, technology-specific pathways and innovative financing significantly reduce risk and thereby costs
- → RES Directive, NECPs and EU Budget key enablers for low cost RES deployment

National Energy & Climate Plans, new EU laws on Renewables and Efficiency, and the new EU Budget for 2021-2028 are key enablers to advance the clean energy transition at low cost



- An energy transition based on efficiency, renewables and reduced use of coal is economically sound, enhances energy security and delivers clean air, employment and climate change benefits
- Countries in South-East Europe have relatively high inter-connection levels. Cooperation will reduce the flexibility challenge from higher shares of renewable power
- → Robust and stable national energy and climate plans will:
 - identify economic, energy security and climate protection opportunities from renewables and enhanced efficiency
 - Facilitate planning ahead in regions affected by structural change and identifying well in advance need for financial support (including from the new EU budget)
 - reduce investment costs for the clean energy transition.
- \rightarrow Lessons can be learned from "first-mover" countries (positive and things to be avoided)

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Thank you for your attention!

Questions or Comments? Feel free to contact me: Matthias.Buck@Agora-Energiewende.de

Agora Energiewende is a joint initiative of the Mercator Foundation and the European Climate Foundation.





Back-Up Slides





Agora Energiewende – Who we are

The team



Independent think tank with more than 30 energy policy experts Independent and non-partisan

Project duration 2012-2021

Financed by the Mercator Foundation and the European Climate Foundation

Mission: How do we make the energy transition in Germany and worldwide a success story?

Scientific assessments

Dialogue

Putting forward proposals

Agora



Our SEE energy transition projects



Western Balkans Energy Transition Dialogue (WeBET Dialogue)





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South East Europe Energy Transition Dialogue





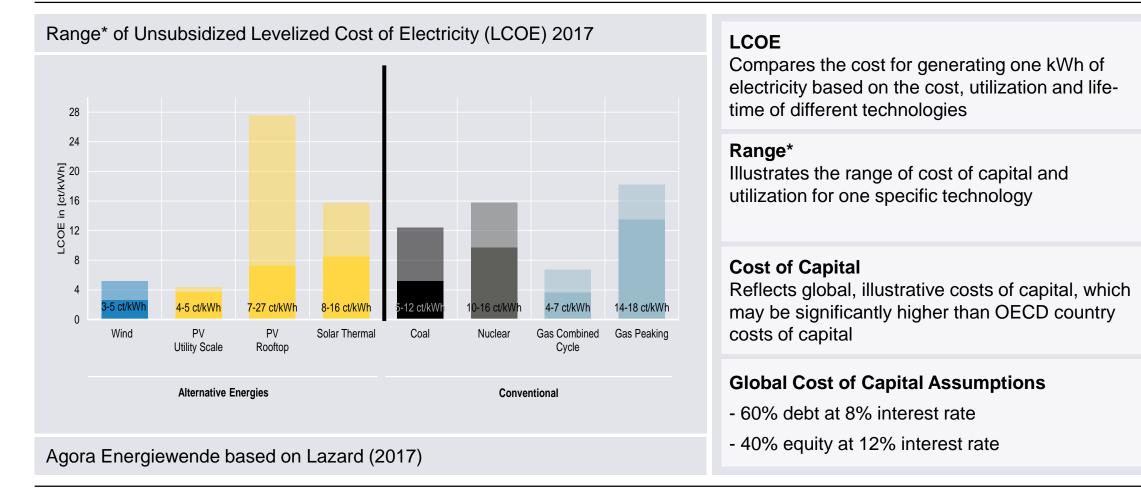


Supporting the SEE energy transition through stakeholder dialogue & fact-based analysis

- Decisions for modernizing or replacing a significant share of old coal fleet in SEE will be taken within the next decade
- National work streams give input to long term planning processes to advance RES, focusing on integrated National Energy & Climate plans
- Showing how long term energy system planning can yield clean, secure and cost-efficient power systems and avoiding costly barriers to RES deployment
- Regional work streams to highlight benefits of regional and EU policy framework that targets cost of capital for RES investments and benefits from regional integration to minimize the flexibility challenge and maximize security of supply
- → Strengthening think-tank network
- → SEE Energy Transition Dialogue
- Covers four EU Member States (BG, CRO, GR, RO), with four SEE think-tank partners
- → Western Balkans Energy Transition Dialogue
- Covers five Western Balkan countries (BiH, KOS, MAC, MON, SER) with six WB-6 think-tank partners

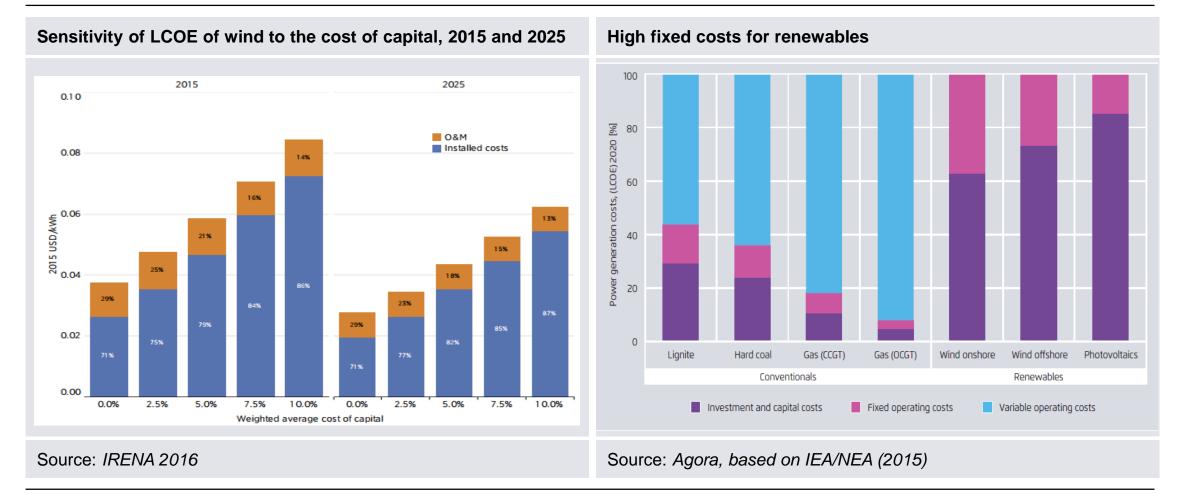


Today, wind and solar are already cost competitive to all other newly built power plants



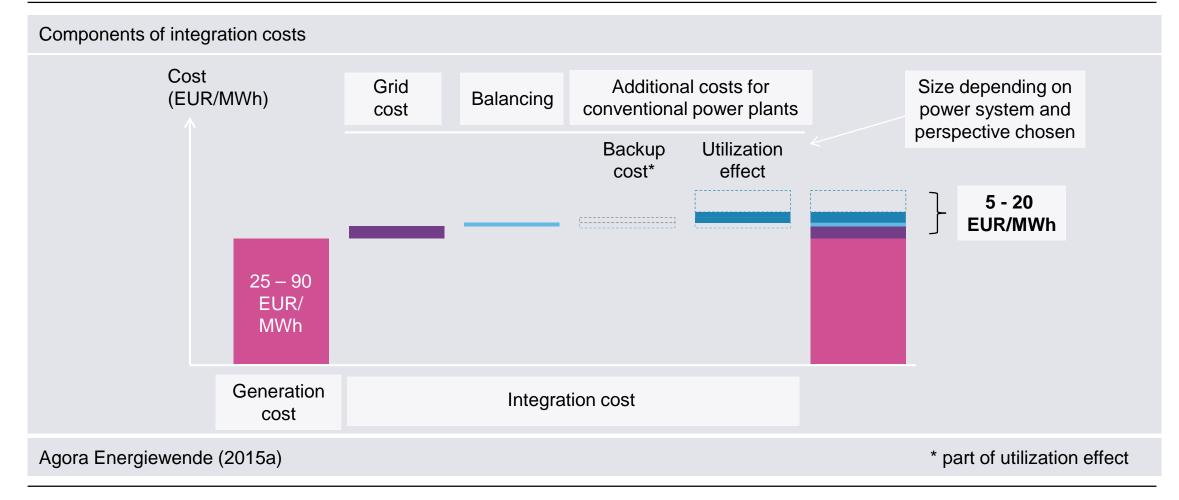
Wind power and solar PV have high upfront investment cost and very low operating cost. Financing conditions for upfront investment are critical for economic viability of RES projects







The integration cost of wind and solar (5 to 20 EUR/MWh) do not change the picture





More information and studies available at our website www.agora-energiewende.org

