Hard Talk
New possibilities for developing renewable energy sustainability in Bosnia and Herzegovina
About IRENA

Established in 2011.

159 Members and
24 more States in accession.

Mandate: to promote the widespread adoption and sustainable use of all forms of renewable energy

IRENA serves as:
• The principal platform for international co-operation,
• A centre of excellence, and
• A repository of knowledge on policy, technology, resource and finance for renewable energy.
South East Europe Regional Initiative

Abu Dhabi Communiqué on Accelerating the Uptake of Renewables in South East Europe (January 2017)

Action Areas

➢ Resource assessment
➢ Long-term planning for RE deployment
➢ Enabling frameworks: technical, policy, regulatory, institutional
➢ Market based RE support schemes
➢ Socio-economic benefits vs. affordability
➢ Access to financing for RE projects
Cost-competitive RE potential of SEE

Assessment of the overall renewable electricity potential

Identification of cost-competitive RE potential – focus on wind & solar PV

Inform policy makers for the upcoming process of undertaking new commitments and developing long-term strategies for RE

Cost-Competitive Potential

✓ LCOE within the ranges of the fossil-fuel supply options

✓ Level of cost-competitive potential today, 2030 and 2050

✓ Sensitivity analysis for cost of capital
Bosnia and Herzegovina – wind potential

5.1 – 10.2 GW  Additional cost-competitive potential, particularly wind, in 2016
How to improve the risk perception in South East Europe?

✓ Eliminate administrative barriers and improve market access
✓ Create attractive and consistent RE support schemes
✓ Improve PPA structure
✓ Address grid integration challenges
✓ Enhance skills and capacities
✓ Facilitate access to finance
Recent cost evolution

Source: IRENA Renewable Cost Database.
Costs continuing to fall for solar and wind

- All technologies falling into competitive range
- Remarkable rate of cost deflation for solar & wind
- All commercial RE power to be competitive by 2020/22

Drivers:
- Technology
- Competitive Procurement
- Experienced Developers

Potential for further reduction by 2025:
- Solar PV - 59%
- Onshore wind - 26%
- Offshore wind - 35%
Solar & Wind: LCOE/Auction Price Evolution

- **Onshore wind**
- **Solar PV**
- **Offshore wind**
- **Concentrating solar power**

**Axes:**
- **X-axis:** Year (2010-2022)
- **Y-axis:** 2016 USD/kWh

**Legend:**
- Orange: Auction database
- Blue: LCOE database

**Range:**
- **Fossil fuel cost range**
Thank you

Marcin Scigan, Regional Programme Officer, South East Europe