National plan: “Climate and energy” - challenges and possibilities

Prof. Ivan N.Ivanov
Chairman of EWRC
Regulation (EU) 2018/1999-Governance of the energy Union and Climate Action:

- Obligation to elaborate an integrated national plan- energy climate for the period 2021-2030.
- Plan project until 31st December 2018.
- EC’s evaluation and recommendations– 18th June 2019.
- Corrected national plan until 31st December 2019.
Recommendations on renewable energy - I

Europe 2020
- 20% RES

Europe 2030
- 30-35% RES

Bulgaria 2020
- 16% Achieved 18.9% RES

Bulgaria 2030
- 25% 27% RES

Types of Renewable Energy:
- Solar
- Biomass
- Wind
- Water
- Geothermal

Sofia, 18th November 2019
Recommendations on renewable energy-II

- Increasing Bulgaria’s contribution for RES (renewable energy sources) from 25% to 27%.
- Inclusion of indicative curves.

2022: 18% of the target
2025: 43% of the target
2027: 65% of the target
2030: 100% of the target

20.4% 22.4% 24.2% 27.0%

- Increase the share of RES in heating and cooling installations by 1.3% annually.
Recommendations on renewable energy-III

- The Consumers with the right to produce, consume, store and sell energy from RES, including through power purchase agreements.
- Until 1\textsuperscript{st} December 2026– 8 % of the total installed capacity.
- Ability to adjust the support scheme.
- Regulatory support for the consumers to create and to participate in renewable energy communities.
Recommendation on primary and final energy consumption

**Europe 2020**
- Target: until 2030 an increase of up to 32.5% in energy efficiency
  - Graph for decreasing the energy intensity of the economy

**Europe 2030**
- Target: until 2030 an increase of up to 32.5% in energy efficiency
  - Implementation of smart grids

**Bulgaria 2020**
- Target: until 2030 an increase of up to 32.5% in energy efficiency
  - Decentralization of the energy system
Recommendation on the diversification of supply of natural gas and nuclear fuels

- The necessity of building infrastructure project

- Strategy for nuclear fuel
Recommendation on the electricity market

- Entirely liberalized market and market prices
- Expanding cross-border trade
- Measures of the impact of the produced energy from RES on the electricity grid
Recommendation on investments

- Overall assessment of investments necessary to achieve the targets in the field of climate and energy and the sources.
- Transferring emissions to other countries.
- Assessment of energy subsidies - measures to end the energy subsidies, including fossil fuels.
Recommendation on the energy transition

- Social impact assessment
- Impact assessment on high carbon industries
- Measures to protect vulnerable energy consumers
- Participation in the EC’s platform “Coal regions in transition”
Thank you for your attention!

Prof. Ivan Ivanov
Chairman of the EWRC