



MINISTRY OF ENERGY

*Professionalism. Integrity. Transparency*

**16th Inter-Parliamentary Meeting on  
Renewable Energy and Energy Efficiency  
“Security and growth potentials in the Energy Union”**

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Ministry of Energy***



# European and international context

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## 2030 Energy and Climate Change targets

- 40% cuts in greenhouse gas emissions
- EU level target of at least 27% of renewable energy
- 27% improvement in Energy Efficiency

## The way forward: The Energy Union

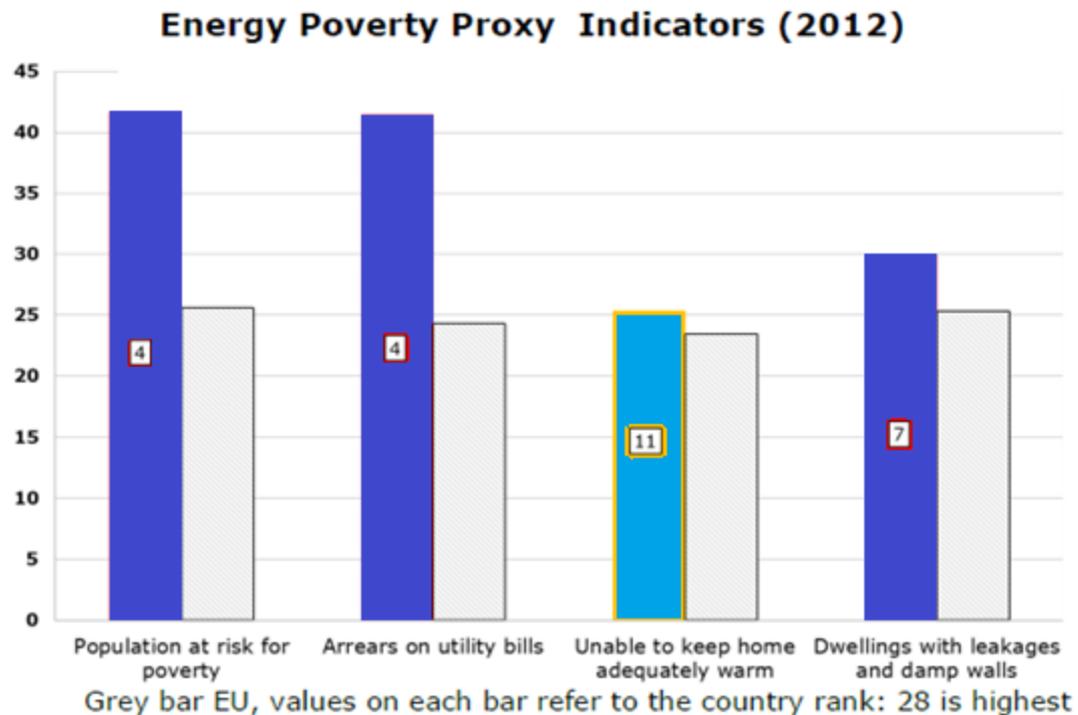
- Energy security, solidarity and trust
- A fully integrated internal energy market
- Energy efficiency
- Transition to a long-lasting low-carbon society
- An Energy Union for Research, Innovation and Competiveness

## Paris Climate Agreement – limit global warming to below 2°C

- “Low-carbon technologies” which include large hydro, nuclear and renewable (including wind, solar, geothermal, and other zero-emission sources of power)
  - “New renewable energy technologies” which include only wind, solar, geothermal, and other zero emission power sources
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# The Challenges of Romania

- ▶ Multiple sectors that need investments;
- ▶ Overcoming the economic gap to Western EU member states;
- ▶ Increasing prices
- ▶ Affordability

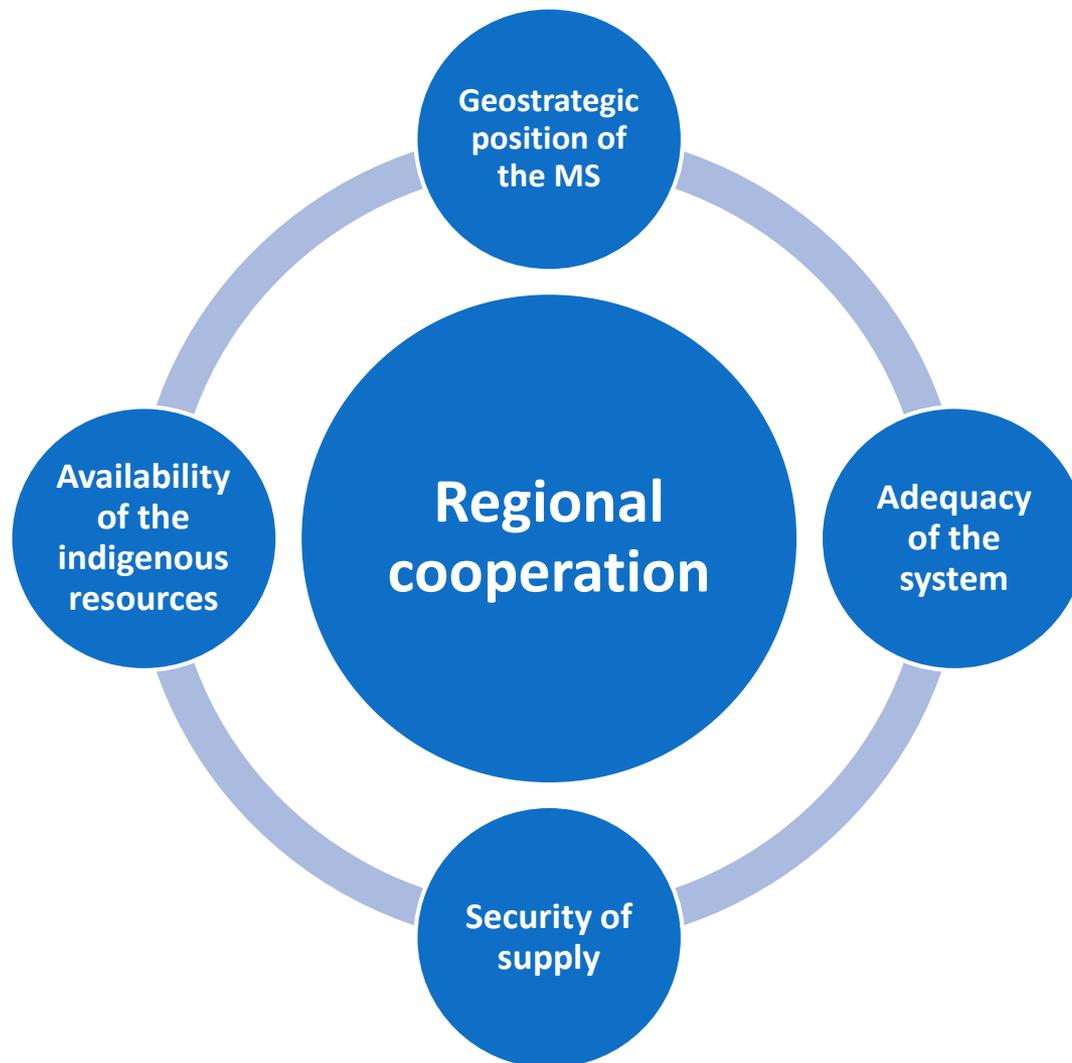


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# Regional cooperation

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## Romania part of the Energy Union

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- ▶ Main focus on keeping a balanced generation energy mix, neutral technology and the use of the indigenous resources;
- ▶ Fair burden-sharing and an equitable distribution, between EU MS, of the financial efforts needed to reach climate and energy objectives;
- ▶ Transparent procedure on the development of integrated national plans for energy and climate change;
- ▶ Balance between harmonization at EU level and commercial aspects;



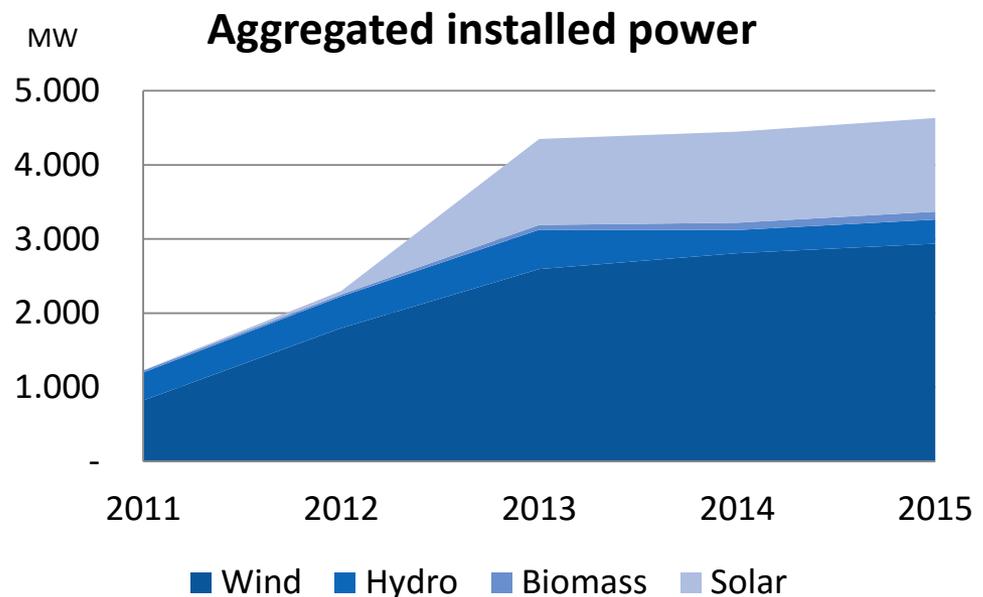
# Renewables

## Romanian green certificates support scheme

- ▶ To promote the production of electricity from renewable sources, Romania uses the system of mandatory quotas coupled with the trading system for green certificates.
- ▶ The GC's are traded transparently in a market;
- ▶ The value of GC's has a floor of 27 Euro and a cap of 54 Euro;

## Renewables evolution

- ▶ The target was achieved in 2013
- ▶ Share of renewables was:
  - ▶ 25.13% in 2013
  - ▶ 26.27% in 2014





# Energy Efficiency

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National Reform Program which sets for Romania targets for 2020:

- ▶ 20% reduction of GHG emissions compared to 1990;
- ▶ 24% of renewable energy in the final consumption;
- ▶ 19% energy savings compared to the business as usual scenario

## Energy efficiency

- ▶ Energy efficiency – Top priority of Romania;
  - ▶ NEEAP updated every 3 years, next update in March 2017.
  - ▶ On track to achieve the 19% energy savings on 2020
  - ▶ Biggest potential for conservation: Residential sector and transport sector followed by industry and services sectors
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# Regional integration and cooperation in South East Europe

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- ▶ South East Europe is one of the most sensitive region of the EU, in terms of security of supply and efficient use of energy;
  - ▶ There are good premises for useful and fruitful regional consultation on security of supply and market integration;
  - ▶ Regional cooperation should consider pragmatic purposes and identify very clearly the dimensions which mostly fit to this type of activities, including concrete possibilities of cooperation and implication of this cooperation on the national envisaged targets;
  - ▶ Romania intends to become an important player in the South Eastern region through optimal use of all its energy resources, as well as the development of interconnection capacities both for electricity and gas.
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# The way forward

**Goal:** Secure, sustainable, competitive, affordable energy for every consumer

- **Consolidating energy security**, while preserving the environment

- **Efficient use of local energy resources and facilities** (new gas reserves, clean coal technologies)

- **Energy mix based on neutral technology** – all low carbon technologies considered, including nuclear

- **Increase the share of renewable energy**, together with grid reinforcement and smart grid development

- Address the issues of **affordability and industry competitiveness**

- **Increase energy efficiency** – important potential in the residential sector, transport and industry

- **Integration of the local energy market** in the EU internal energy market: through interconnections and market coupling



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**Thank you for your attention!**

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