



*Federal Service for Hydrometeorology
and Environmental Monitoring*



*Ministry of Natural Resources
and Environment of the
Russian Federation*



RUSSIAN FEDERATION

Relevant national circumstances

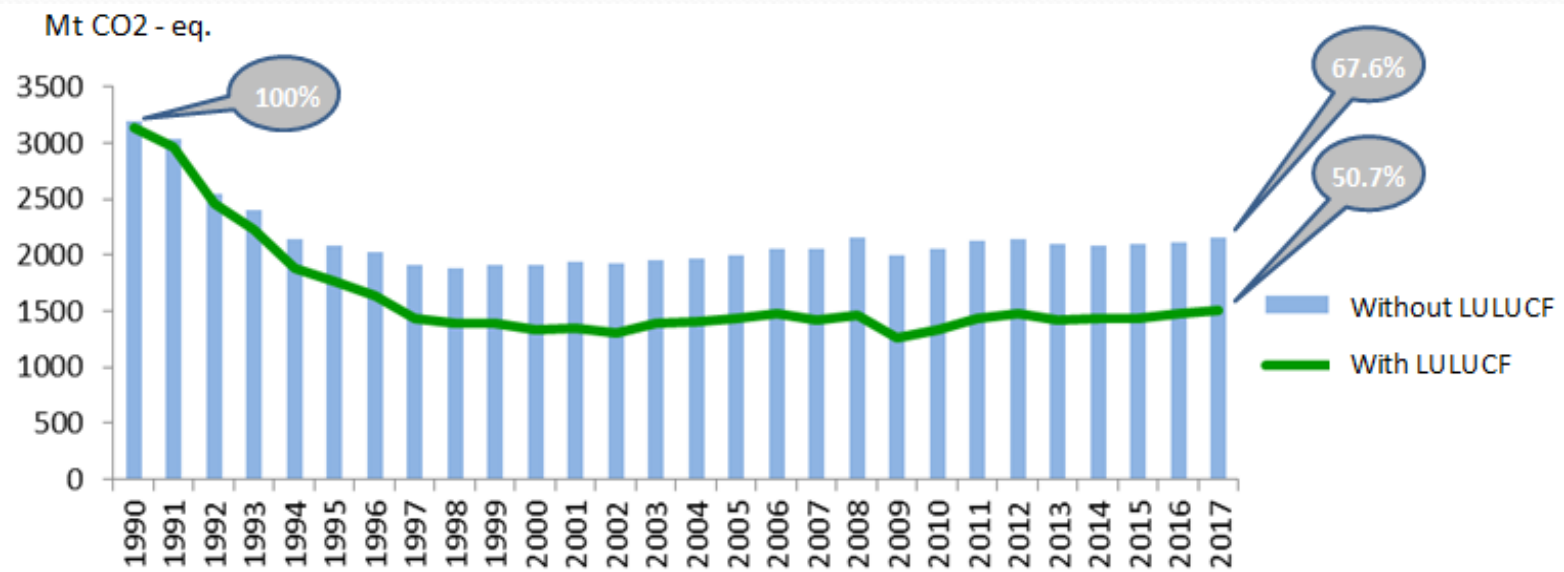
- **The national territory extends** 9.0 thousand kilometers from east to west and 2.5-4.0 thousand kilometers from north to south
- **Climatic conditions vary widely** but a significant part of the territory is occupied by regions with a cold or sharply continental climate
- Russian Federation takes the sixth place in the world in terms of **GDP** with 3.1 % of the global GDP (based on PPP)
- **A significant amount of hydrocarbons** is produced **for export and for domestic use**
- **Hydroelectric power stations** produce 20% of electricity, **nuclear power stations** – more than 10%
- **The combined heat and power production** is widely used in large cities
- Russia accounts for **70% of boreal forests** and more than **25% of the world's forest resources**. Russian forests form a significant **sink of CO₂** from the atmosphere

Questions and answers

- 4 questions were received from 3 Parties
- Submitted before 12 April, answered before 9 June 2019

Category	Title	Party
All emissions and removals related to the quantified economy-wide emission reduction target	The national system for GHG inventories	Turkey
Progress towards the achievement of quantified economy-wide emission reduction target	Long term low GHG emission development strategy. Effects of policies and measures	EU
Assumptions, conditions and methodologies related to the attainment of the quantified economy-wide emission reduction target	Ambition	China

Trends in GHG emissions and removals



Share of the **Energy sector** in the total emissions without LULUCF is 78,9% in 2017

The main part of the mitigation potential is related to the **energy efficiency and energy saving**

The Russian Federation ranked fourth in the world in the CO₂ emissions from fuel combustion (4.5% of the global total emission)

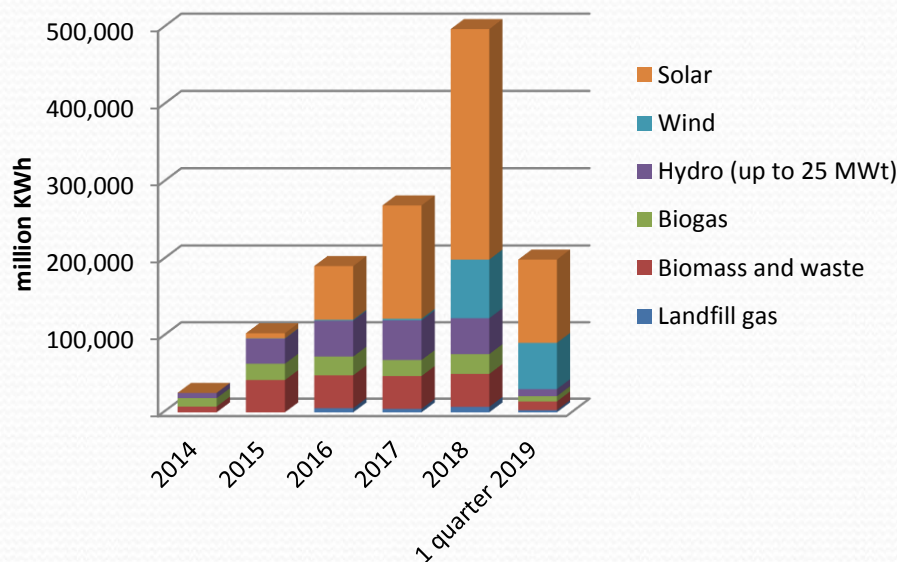
The 2020 quantified economy-wide emission reduction target

Target: To ensure the reduction **by the year 2020** of the amount of the greenhouse gas emissions to the level **no more than 75 %** of emissions **in the year 1990**.

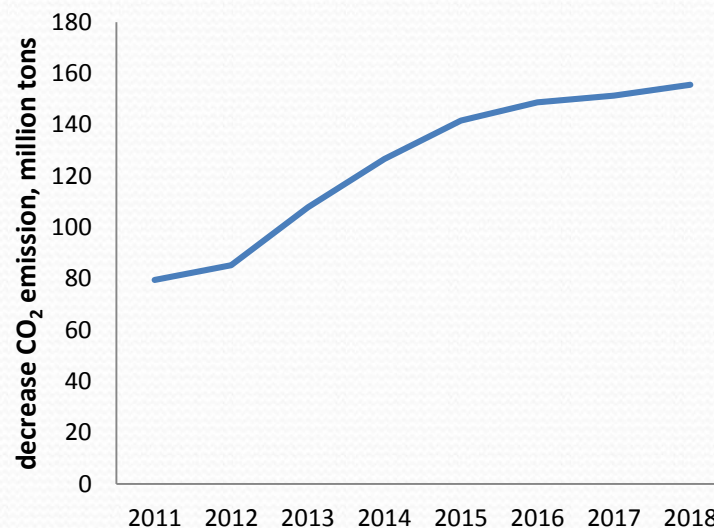
- Adopted by the **decree of the President of the Russian Federation # 752** of 30 September 2013
- Covers **all sectors except LULUCF**
- **Action Plan** was adopted by the Government in 2014. The plan envisages economy wide measures in three **key areas**:
 - Creating multi-level accounting system for greenhouse gas emissions
 - Performance evaluation and projections of the greenhouse gas emissions for the period up to 2020 and up to 2030,
 - Regulation of greenhouse gas emissions in the sectors of economy, including opportunities for using carbon market mechanisms.

Policies and measures delivering results

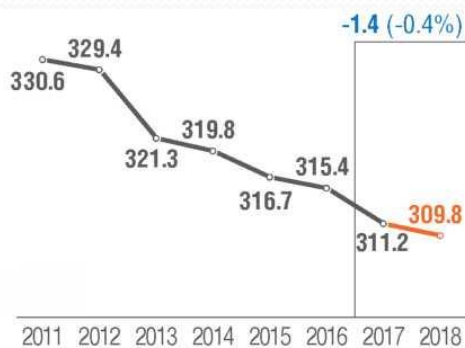
Electricity production at renewable energy facilities



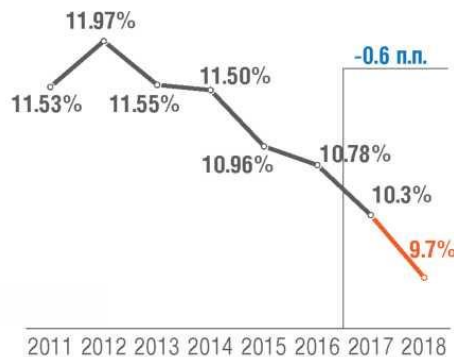
Associated petroleum gas utilization



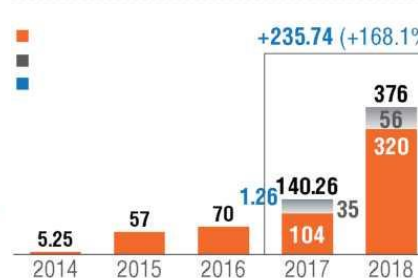
The fuel consumption per power output, g.c.e./KWh



The loss of electricity from the generation, %



Construction of renewable energy facilities, MWh

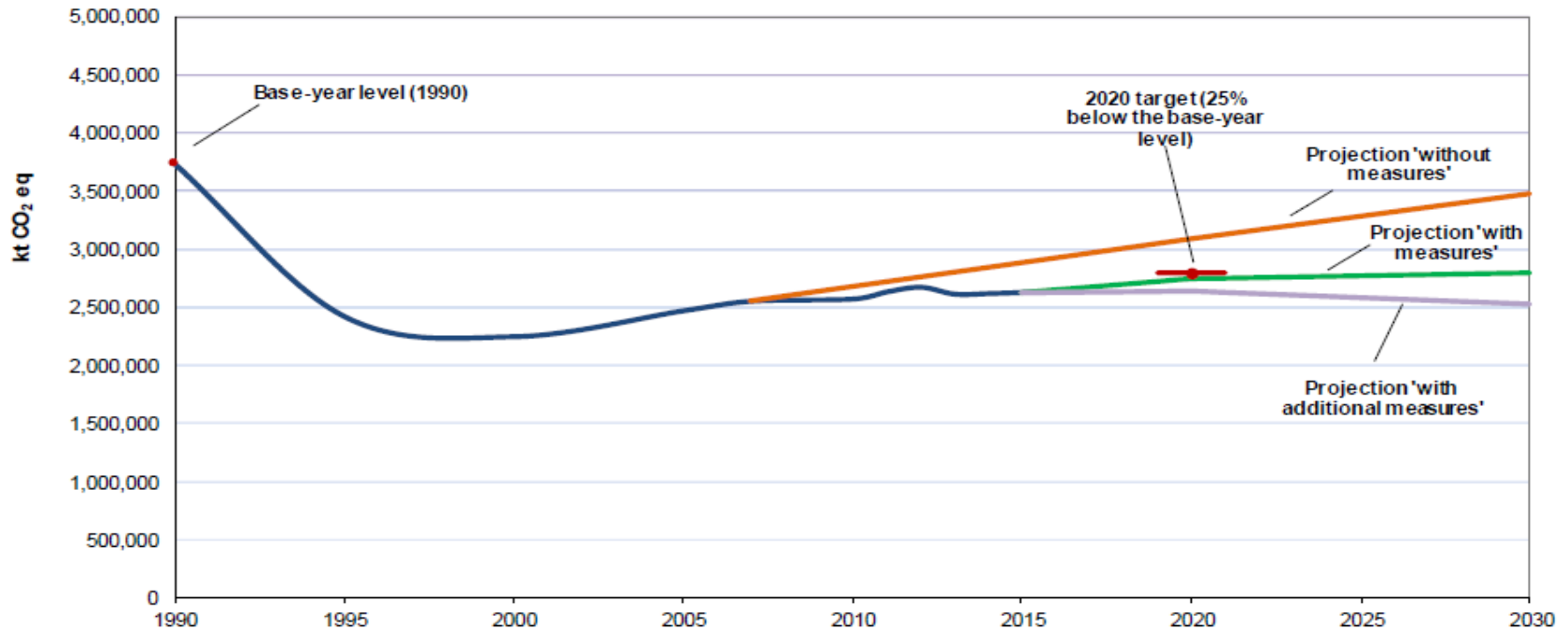


The average value of planned capital cost on the basis of competitive selection of renewable energy projects, thousand rubles/kWh



Enhancing the 2020 ambitions

Greenhouse gas emission projections reported by the Russian Federation



- The 2020 target is to have **not more 75%** of the 1990 emissions (without LULUCF)
- No formal revision of the target
- Emissions were 67.6% of the 1990 emissions in 2017
- According to the latest estimates emissions will be **well below 75%** in 2020
- Additional measures (carbon taxation, emission trade, reduction stimulation) are discussed and may be implemented after 2020.

Long-term target

- **The INDC** was submitted by the Russian Federation to UNFCCC on **31 March 2015**
- Objective: economy-wide reduction of emissions **by 25...30% from 1990 to 2030**
- The draft decree of the President of the Russian Federation on the **new 2030 emission reduction target** will be prepared in December 2019
- The draft **implementation plan to achieve the 2030 target** will be prepared and submitted to the Government in the spring 2020

Policies and measures under development

- The implementation plan of the **Climate doctrine of the Russian Federation** will be revised in 2020. The doctrine itself may be corrected.
- **Draft Federal greenhouse gas emissions regulation law** will be sent to parliament for consideration in 2019
- **Draft Low-carbon development strategy** will be prepared before the end 2019
- **National climate change adaptation plan** is at the final stage of drafting and expected to be submitted to the Government until the end of 2019
- **Draft plan to reduce greenhouse gas emissions** from deforestation and forest degradation, strengthen measures on conservation, sustainable management and increase forest carbon stock will be submitted to the Government in August 2019
- New plans for modernization electricity and heat generation will have mitigation co-benefits.

A success story: renovation of public transport system in Moscow

➤ Measures

- Reorganization of the ground transportation network - **implemented**
- Dedicated lanes for public transport - **implemented**
- Construction system of chord motorways – **implemented partially**
- Accelerated construction of new metro lines and stations – **permanent implementation**
- Relatively high prices for parking in the city center **implemented**
- Expansion of sidewalks and pedestrian areas in the center partially sacrificing the roads - **implemented**
- Organization of passenger railway traffic along the Moscow central ring – **implemented**
- Update of the bus fleet with full transition to electric buses – **pilot phase**
- Organization of through railway traffic from the suburbs across the city – **planned**



➤ Targets, benefits and co-benefits

- Making public transportation system more fast and comfortable than private cars
- Increase average speed of traffic, reducing traffic jams
- **Reducing the GHG emissions**
- Lowering air pollution





Thank you for your attention!