



ROSATOM

CHANGES IN GLOBAL TRENDS OF THE ENERGY INDUSTRY

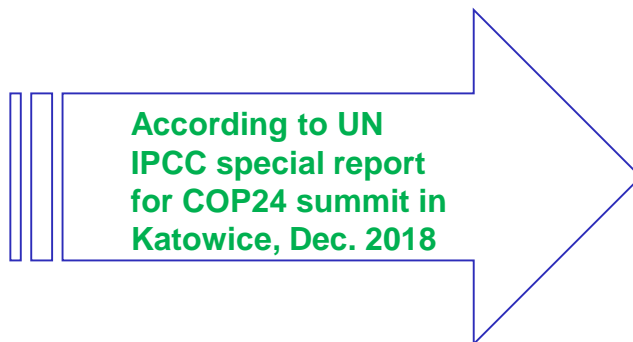
Zalán Bács
Director of Rosatom Central Europe
Hungarian Branch



170 states



The global warming should not exceed
2°C

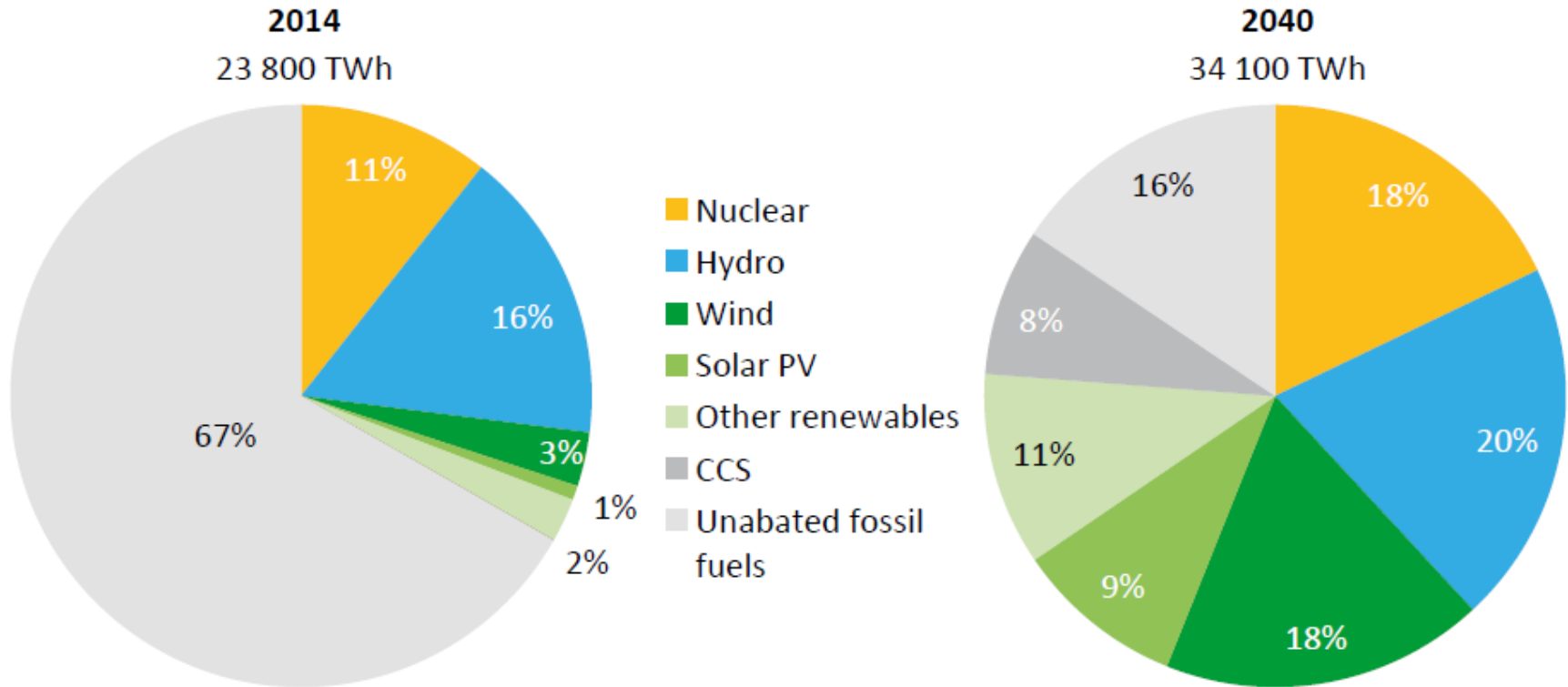


a large **increase** in the use of **nuclear power** and **renewable energy** sources would help keep global warming below
1.5°C



Nuclear is the second largest low carbon baseload energy source

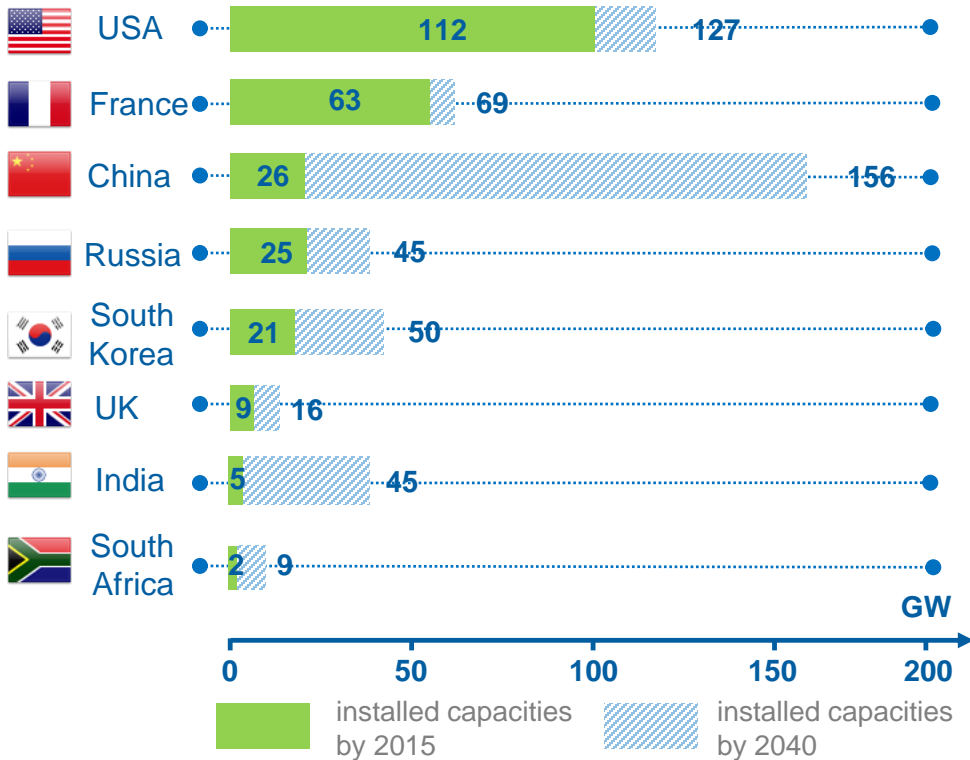
Evolution of the power generation mix in the 450 Scenario (OECD IEA, 2016)



The nuclear capacity must to be increased significantly to meet the climate objectives, e.g. to ~830 GW in 2040 in the IEA 450 Scenario

Many Countries Have Chosen Nuclear Option

Experienced nations rely on nuclear and plan to expand their installed capacities



Countries in different regions are still willing to harness nuclear energy

1st construction is under way

-  UAE
-  Bangladesh
-  Belarus

Planning to intergrade nuclear into energy mix by 2040

-  Egypt
-  Turkey
-  Jordan
-  Saudi Arabia
-  Indonesia
-  Nigeria
-  Ghana

BY 2040 GLOBAL NUCLEAR INSTALLED CAPACITIES ARE EXPECTED TO GROW FROM **392** GW UP TO **700** GW



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THANK YOU FOR YOUR ATTENTION!