





Information on the quantified emission limitation and reduction objective of Ukraine for the second commitment period of the Kyoto Protocol

Bangkok, Thailand, 30 August - 5 September.

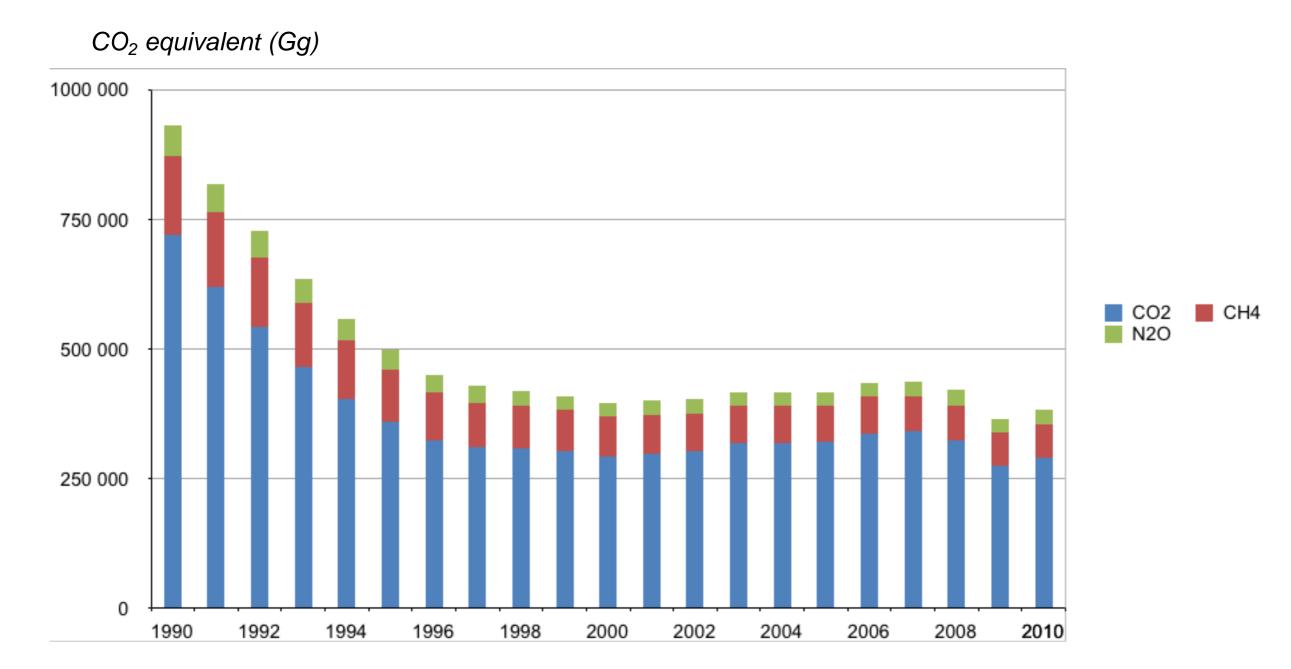


Emission Limitation and Reduction Objective - QELRO

Ukraine has officially confirmed the target of greenhouse gas emission reduction by 2020 for the second commitment period of the Kyoto Protocol, which is 20% compared to 1990 emissions base year.



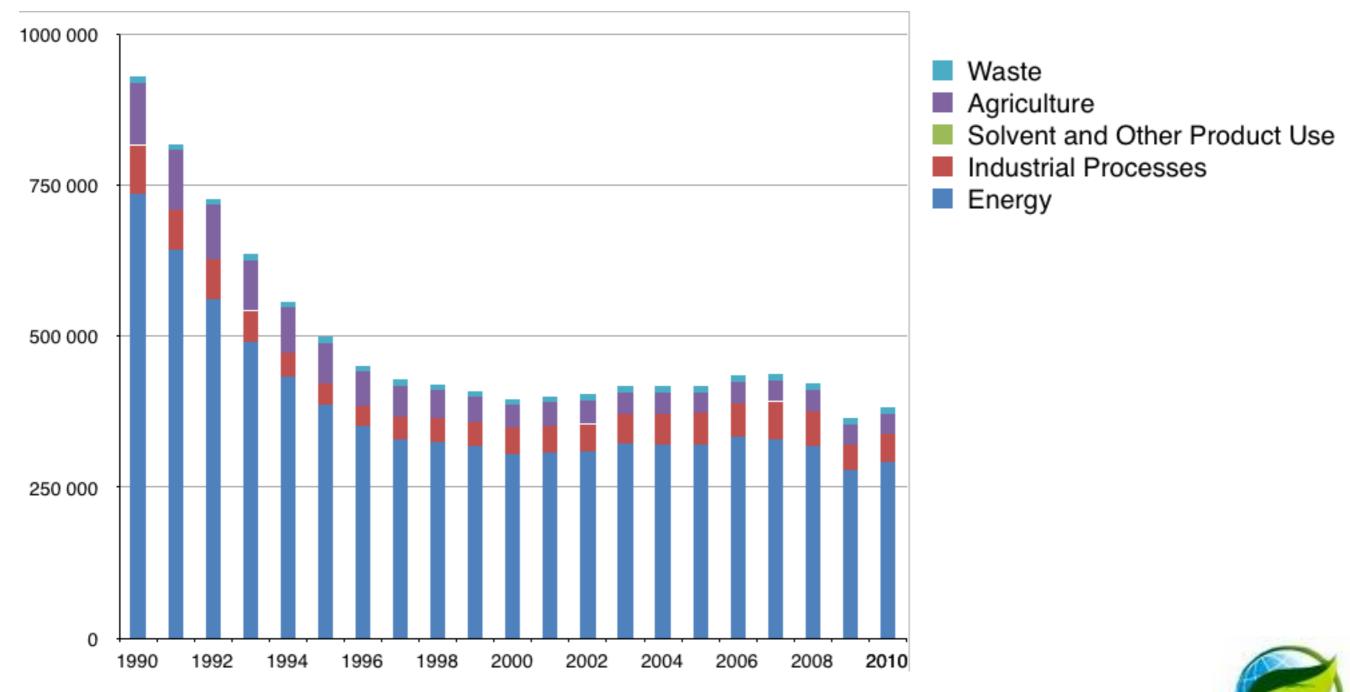
GHG Emissions by Gases



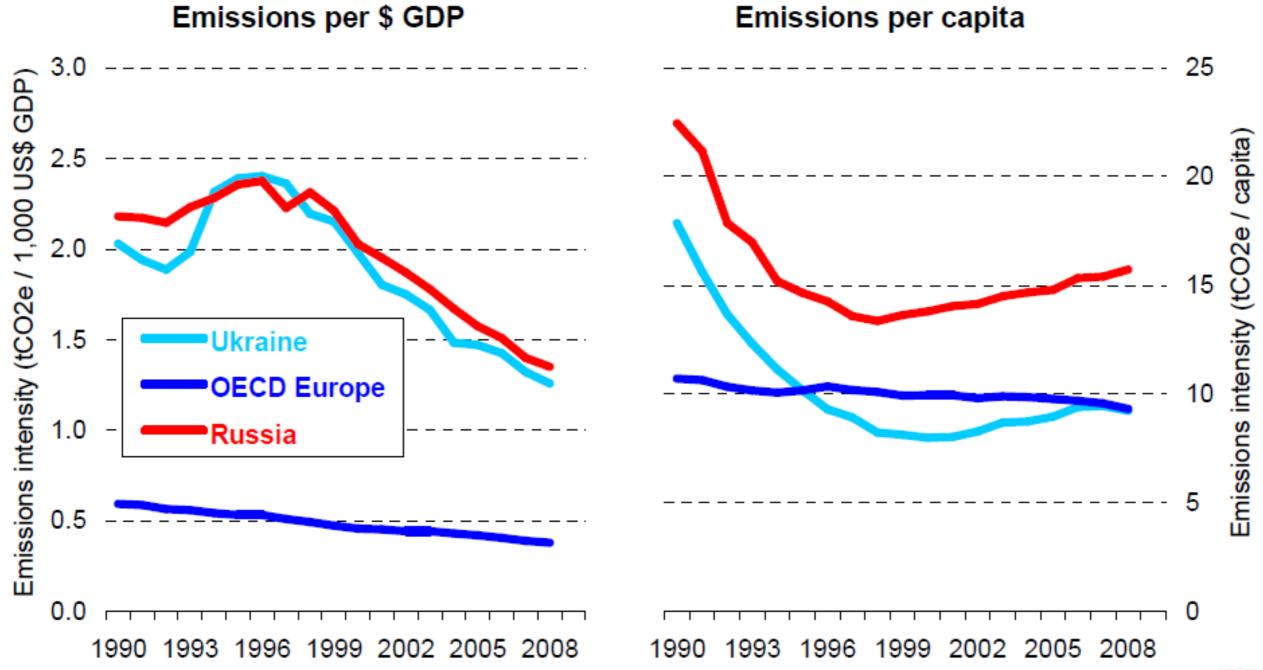


GHG Emissions by Sectors





Emissions Intensity in Ukraine, Russia and OECD Europe



Source: IEA and UNFCCC; GDP is in 2000 prices, and PPP-adjusted



Emission Limitation and Reduction Objective - QELRO

The following approaches were considered:

 methodology described in FCCC/TP/2010/3/Rev.1 «Issues relating to the transformation of pledges for emission reductions into quantified emission limitation and reduction objectives: methodology and examples»;

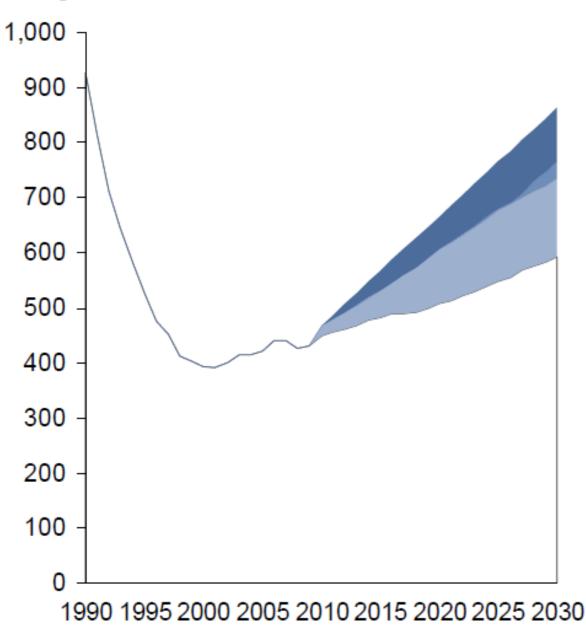
• in accordance with the national circumstances, using the analysis of data on greenhouse gas emissions according to the latest reviewed national inventory for the period 1990-2009.

The national approach fully reflects the dynamics of greenhouse gas emissions in Ukraine, including a decline in emissions in the 90s of the last century due to economic factors, the transition from soviet-type to market economy. The choice of trajectory to the endpoint 20% reduction in 2020 and the definition of QELRO for Ukraine need further consideration.



Emissions Projections Under Different Scenarios

MtCO₂e per year



Emissions in 2030 w/r to 1990		Emissions (cumulative)	
	-7%	864 Mt	Frozen Technology
	-17%	766 Mt	Status Quo
	-21%	735 Mt	Planned Policies
	-36%	591 Mt	Enhanced Policies

5 th National communication (2009)	2030, mIn t CO ₂ e
GHG Emission without measure	755.2
GHG Emission with measure	638.1
GHG Emission with additional measure	590.9



Source: EBRD, UNFCCC

MACC for Status Quo Policy Scenario (2030)

Price (€/tCO2) DH Distribution Networks-200 Coal (Rehabilitated) Gas Boiler (Upgrade) Wind (low quality)-Solar PV Wind (medium quality)-150 Coal CHP Landfill Gas-Nuclear (Partially Complete) Coal Mine Methane--Coal (Upgrade) 100 Gas Transport-Cofiring Coal--Gas Boiler (Upgrade) Steel Cement-Lime 50 Steel Stee-0 100 110 120 130 140 150 160 170 80 190 200 210 220 230 240 250 260 30 20-50 Cement--100 CCGT-Hydroelectric (small)-Biomass Boiler--150 Gas Boiler-----CCGT-Hydroelectric (large) Individual Buildings (nR) Ammonia -200 Passenger Vehicles Lime -Wind (high guality) Waste Water-DH Buildings (R) Gas Boiler -250 Individual Buildings (nR) -Coal (New build) Passenger Vehicles Nuclear (New) -300 Abatement (MtCO2) Transport Industry Fugitives Buildings Power Waste DH

Notes: Buildings are R (Residential) or nR (non-Residential)









Thank you!

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