



UKRAINE:

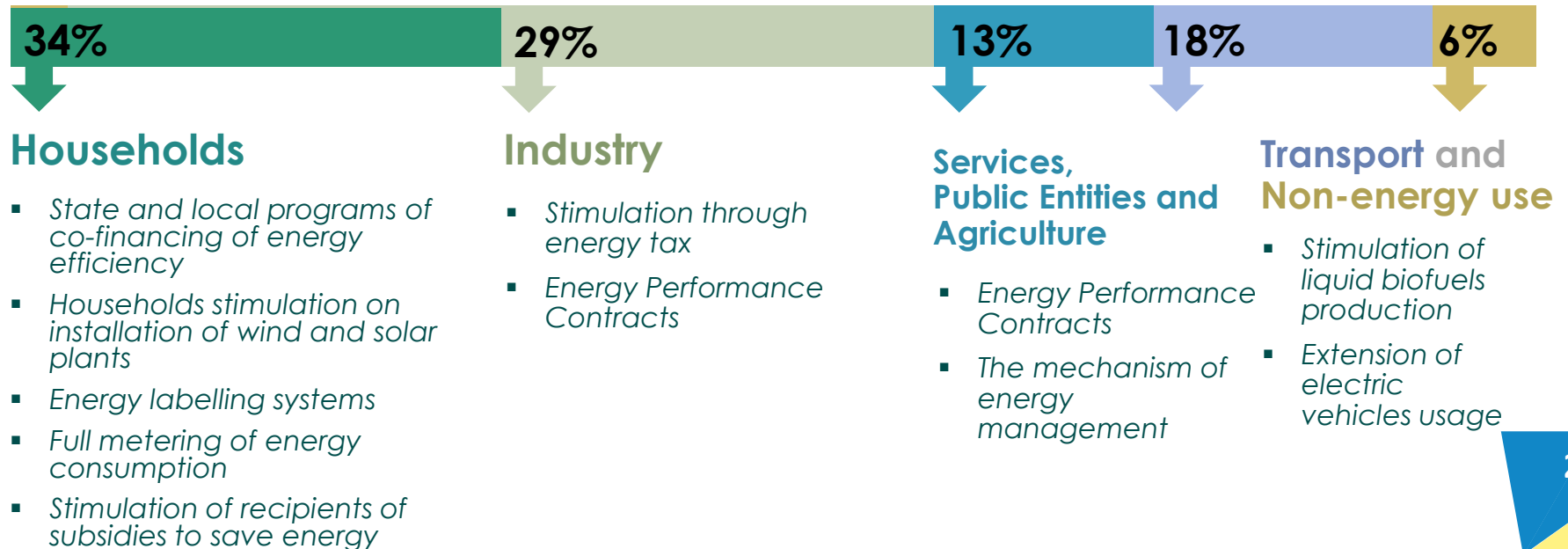
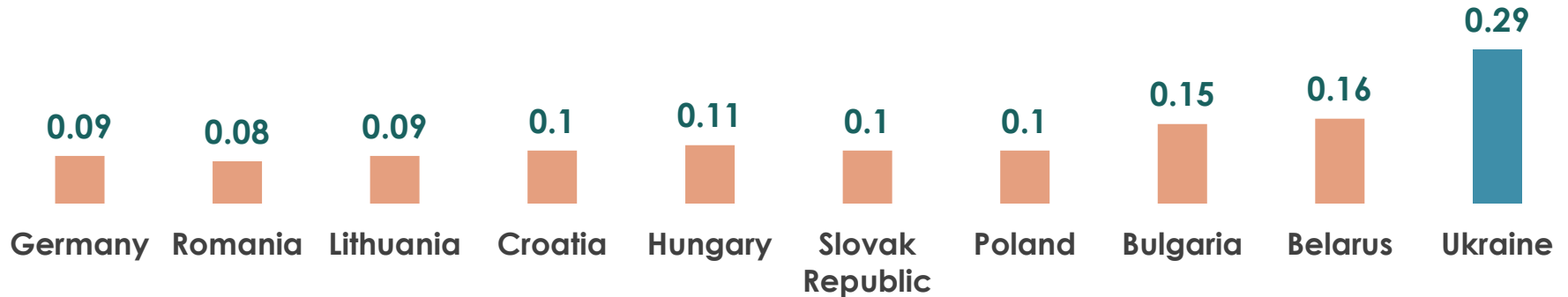
ENERGY EFFICIENCY IN BUILDINGS

State Agency on Energy Efficiency
and Energy Saving of Ukraine



ENERGY EFFICIENCY AND RENEWABLE ENERGY SECTORAL POLICIES

Energy intensity in European countries (IEA, 2016)





CURRENT STATUS OF ENERGY EFFICIENCY IN UKRAINE

National Energy Efficiency Action Plan-2020

9%

of energy saving comparing to the average final energy consumption in 2005-2009

Investment potential:



Residential sector – continuation of state program for stimulating households to implement energy efficiency measures

€ 44 – 74 bln – investment potential



Public sector – development of EPC market

€ 8 bln – investment potential



Residential buildings		Public entities
Multi-Apartment	Private (Individual)	
Number of Buildings		
≈ 80 000	≈ 6,5 mln	≈ 100 000
Necessary Investment		
≈ from 44 to 74 bln EURO*		≈ from 4 to 8 bln EURO*
Annual Saving Potential (in gas equivalent)		
8 bln cubic meters		800 mln cubic meters

*depending on the thermal modernization level





STATE SUPPORT PROGRAM FOR HOUSEHOLDS ("WARM LOANS PROGRAM")

Duration: Active since Oct'2014

Mechanism:

Partial reimbursement of loans got by individual households & condominiums

Financial intermediaries:

Oschadbank, Privatbank, Ukreximbank, Ukrgasbank

Support share:

20% - for biomass boilers (**35%** for obtainers of housing subsidies)

35% - for energy efficiency measures for individual households

40% - for condominiums (**70%** for obtainers of housing subsidies)

Funding:

EUR 190 million (≈ 6,1 billion UAH) has been distributed to ≈500 000 households

EUR 72 million (≈2.3 billion UAH) – reimbursed by the Government (during 2014 - 2018)

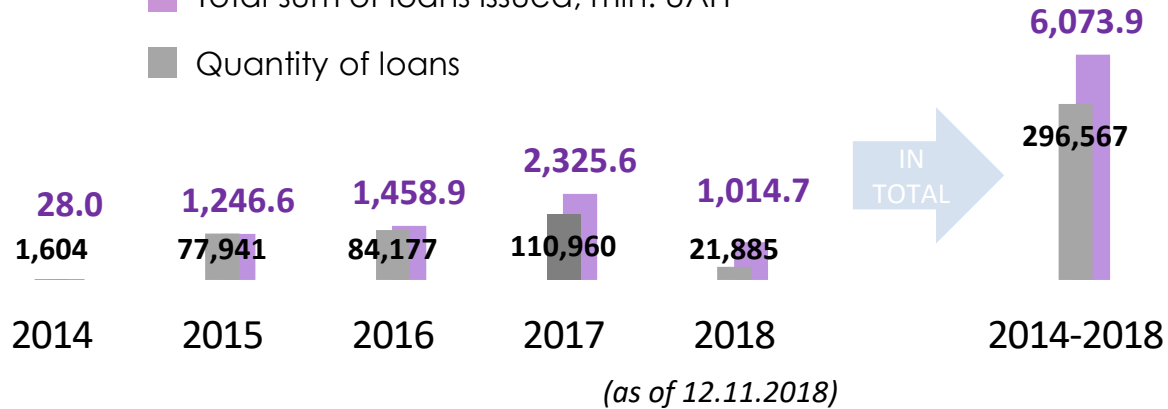
+ **166 regional programs** functioning in 2018 for extra reimbursement of «warm» loans

Effect: Estimated annual savings of resources in natural gas equivalent is **242 mln m³**.

Amounts of reimbursement:

- in 2014 - 2.4 million UAH
- in 2015 - 302 million UAH
- in 2016 - 861 million UAH
- in 2017 - 818 million UAH
- in 2018 - 500 million UAH

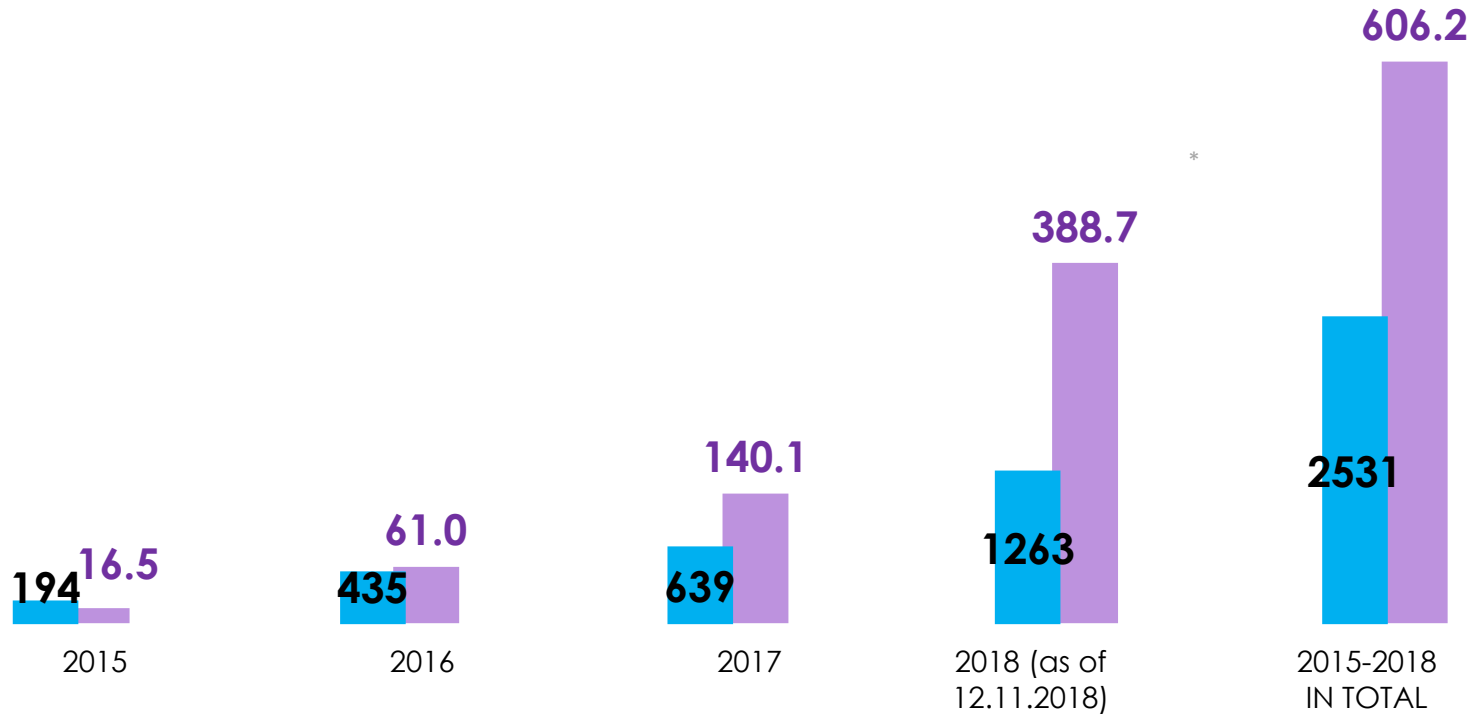
■ Total sum of loans issued, mln. UAH
■ Quantity of loans





STATE SUPPORT PROGRAM FOR HOAs ("WARM LOANS PROGRAM")

**Demand on WARM LOANS for HOAs has the highest dynamics –
only in 2018 HOAs attracted as much loans as in 2014-2017 in total**



■ Quantity of loans issued

■ Amount of loans issued, UAH million





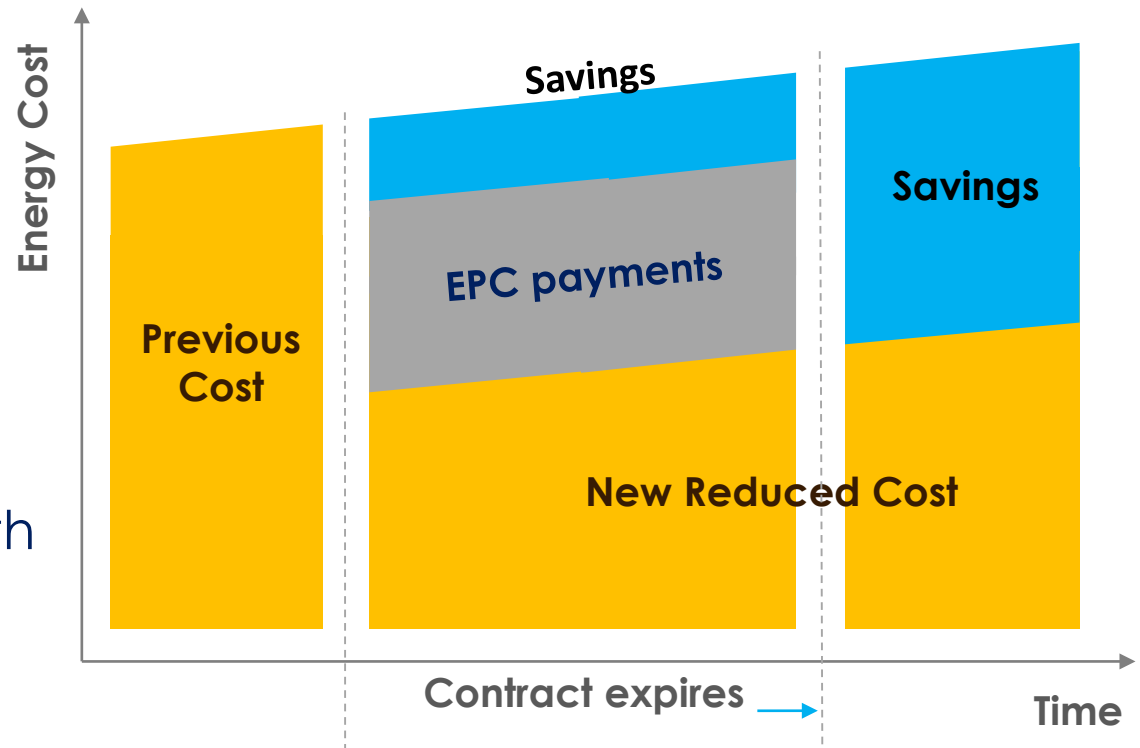
ENERGY PERFORMANCE CONTRACTING FOR PUBLIC SECTOR

2016:

first 20 EPCs were
concluded in 5 regions
of Ukraine

2017-2018:

184 EPC agreements worth
186,5 million UAH were
concluded



The appropriate laws and regulations developed with support of EBRD have been adopted. That gives the guarantee for investments return in the framework of state budgetary commitments.





Tenders were held in 43 cities of Ukraine

EPC plans 2018:
≥ 370 contracts

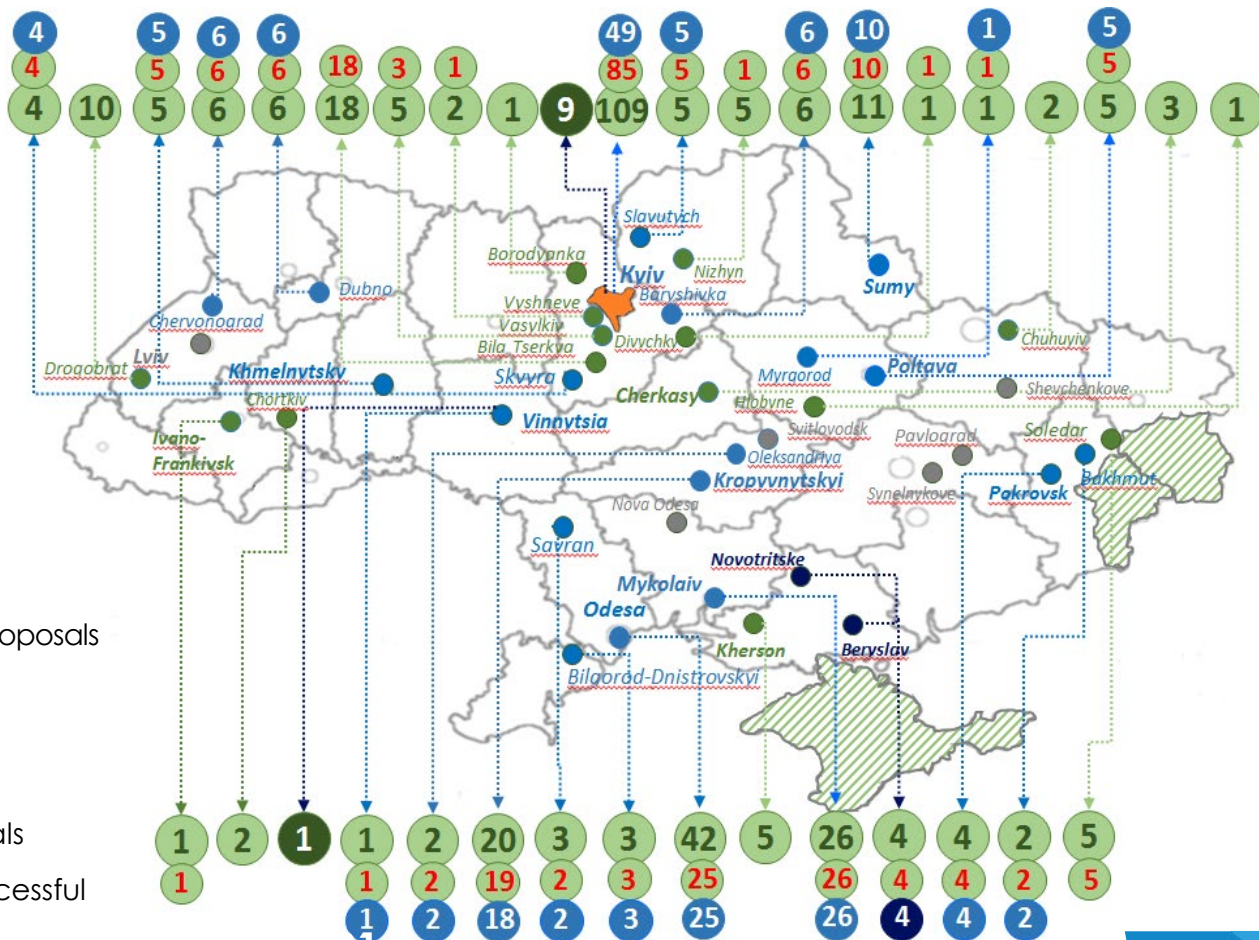
2016: 20 EPC contracts worth 18 million UAH were concluded

2017-2018: 184 EPC agreements worth 186,5 million UAH were concluded

EPC Tenders:

- 609 - EPC tenders
- 256 - Completed auctions via EPC proposals
- 184 - Concluded EPC contracts
- 14 - Nearest auctions
- 60 - Open tenders for EPC proposals
- 279 - Cancelled and unsuccessful tenders*
- 43 - Cities where tenders are announced

* - no tenders (of 1 or <participants)





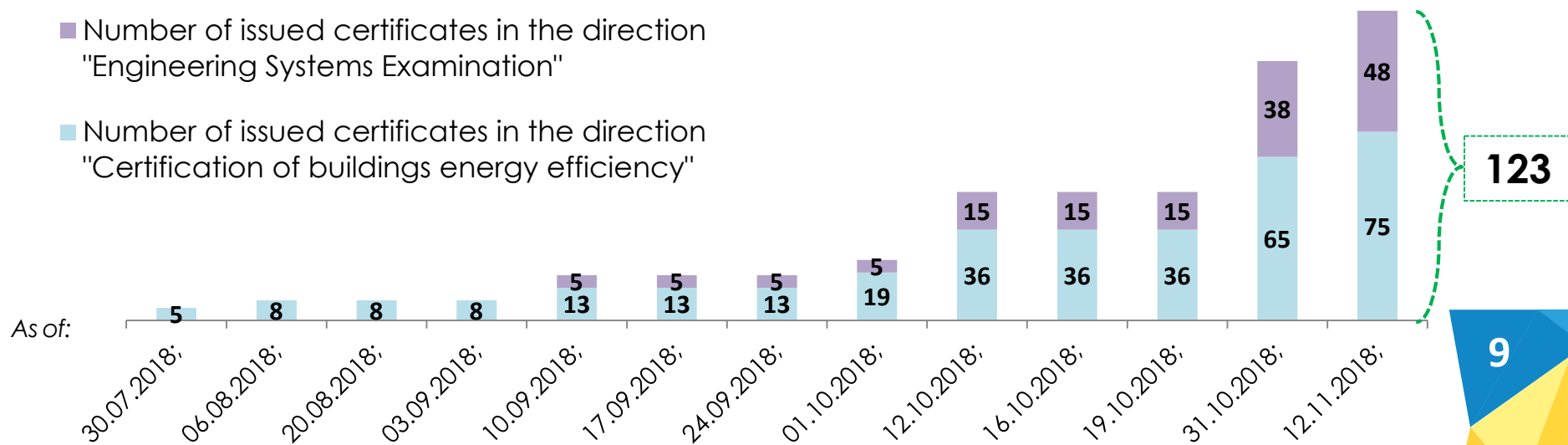
Law of Ukraine
«On energy efficiency of buildings»
of 22.06.2017 №2118-VIII,
introduces
mandatory certification of energy efficiency
from July 01, 2019



Implementation
Directive 2010/31/EU is a
commitment of Ukraine
to the Energy
Community

DYNAMICS OF ENERGY AUDITORS AND EXPERTS CERTIFICATION

- Number of issued certificates in the direction "Engineering Systems Examination"
- Number of issued certificates in the direction "Certification of buildings energy efficiency"



ROADMAP ON THE IMPLEMENTATION OF GREEN BONDS MARKET IN UKRAINE

Action Plan for Implementation of the "Energy Sector Reform 2020" of the Energy Strategy of Ukraine till 2035

Creation of conditions for implementation of green bonds market in Ukraine as an instrument to attract investment in renewable energy and energy efficiency projects

State Agency on Energy Efficiency and Energy Saving and other public authorities
2019 - 2020

Development of legislation



Introduction of the green bonds notion into Ukrainian legislation and establishment of legal regime of their issue in the context of issuers;

Development of guidelines, procedures and incentives for the green bonds market.

Realization of pilot projects



Feasibility studies preparation for green projects and cost calculation in the context of issuers;

Conducting an independent valuation of issuers;

Estimation of bonds certification according to the international standards.

Attracting green financing



Preparation and holding of a large-scale marketing session (RoadShow) on the internal and external capital markets;

Partners involvement for cooperation (International Financial Institutions, Green Climate Fund, Green Bond Fund for Developing Markets, Institutional Investors, etc.)





INVEST in UKRAINE!

State Agency on Energy Efficiency and Energy Saving of Ukraine

Phone: +38 (044) 590 59 64

E-mail: office.sae1@gmail.com