



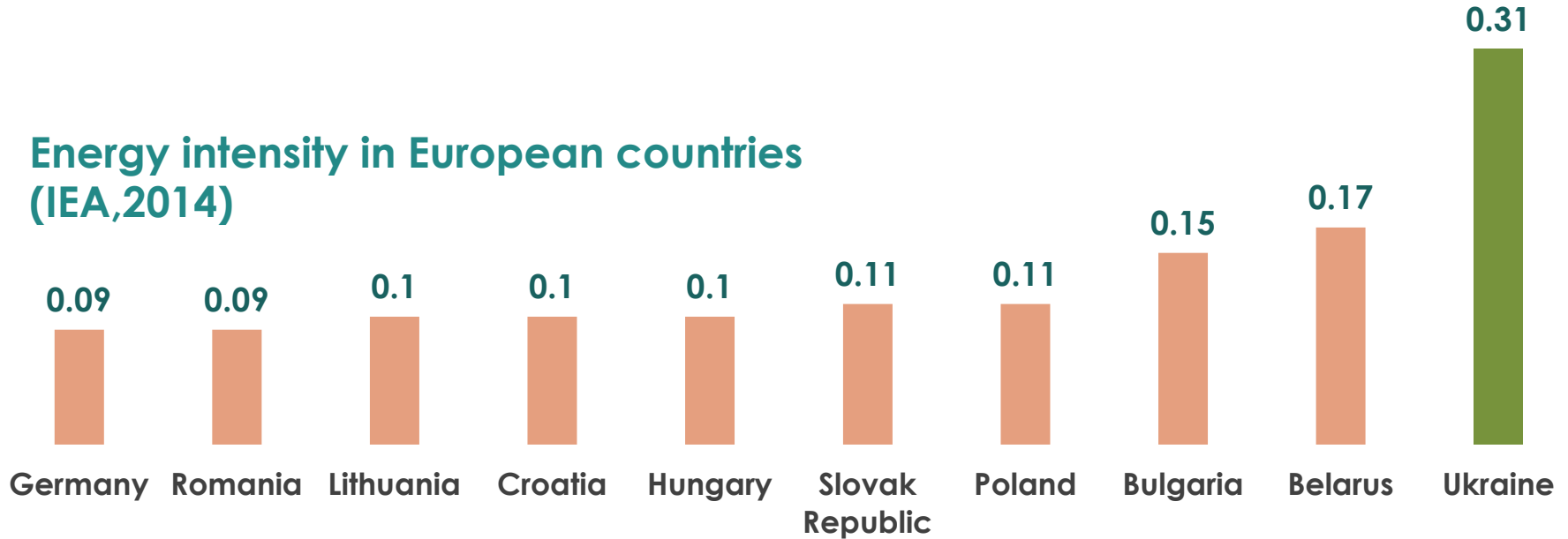
**State Agency on Energy Efficiency
and Energy Saving of Ukraine**

Green Bonds in Ukraine as a mechanism for investment attraction into renewable energy and energy efficiency projects

*Head of the State Agency on Energy Efficiency and
Energy Saving of Ukraine*
Sergiy Savchuk



Energy intensity in European countries (IEA, 2014)



Households

- State and local programs of co-financing of energy efficiency
- Households stimulation on installation of wind and solar plants
- Energy labelling systems
- Full metering of energy consumption
- Stimulation of recipients of subsidies to save energy

Industry

- Stimulation through energy tax
- Energy Performance Contracts

Services, Public Entities and Agriculture

- Energy Performance Contracts
- The mechanism of energy management

Transport and Non-energy use

- Stimulation of liquid biofuels production
- Extension of electric vehicles usage



National Renewable Energy Action Plan-2020

(Decree of Cabinet of Ministers of Ukraine №902-p as
of 01.10.2014)

11%

energy produced from renewables

in the overall structure of the final
energy consumption of the country

National Energy Efficiency Action Plan-2020

(Decree of Cabinet of Ministers of Ukraine №1228-p as
of 25.11.2015)

up to 9%

reduce energy consumption

in the overall structure of the final
energy consumption of the country

Energy Strategy of Ukraine till 2035

(Decree of Cabinet of Ministers of Ukraine № 605 –p as
of 18.08.2017)

25%

energy produced from renewables

in the overall structure of the final
energy consumption of the country



12
Bln EURO

National Renewable Energy Action Plan-2020

*Decree of Cabinet of Ministers of Ukraine №902-p
as of 01.10.2014*

More than 20
Bln EURO

Energy Strategy of Ukraine till 2035

*Decree of Cabinet of Ministers of Ukraine № 605 –p
As of 18.08.2017*

World practice has shown that many countries use the **GREEN BONDS** as effective financial instruments for attraction of investments for "green" projects

Investments should be aimed at:

- *Solar and Wind power stations*
- *Cogeneration units on biogas and biomass*
- *Waste processing plants*
- *Geothermal power plants*
- *Small hydroelectric power plants*
- *Production of liquid biofuel*





Legislation development

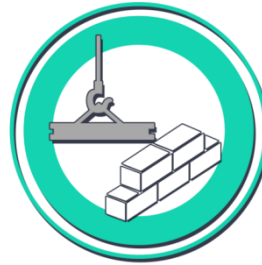


green bonds terminology
Introduction into Ukrainian
legislation

bond issue legal regime
establishment in the context of
issuers

development of guidelines and
procedures for the green bonds
market

Pilot projects realization (in the context of issuers)



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

Green finance raising



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.)



**THANK YOU FOR
ATTENTION!**

*Head of the State Agency on Energy Efficiency
and Energy Saving of Ukraine
Sergiy SAVCHUK*