



PROGRAMME FUNDED BY THE EU



Towards the transposition of the EU Ecodesign Directive and of regulations for energy-related products in Ukraine

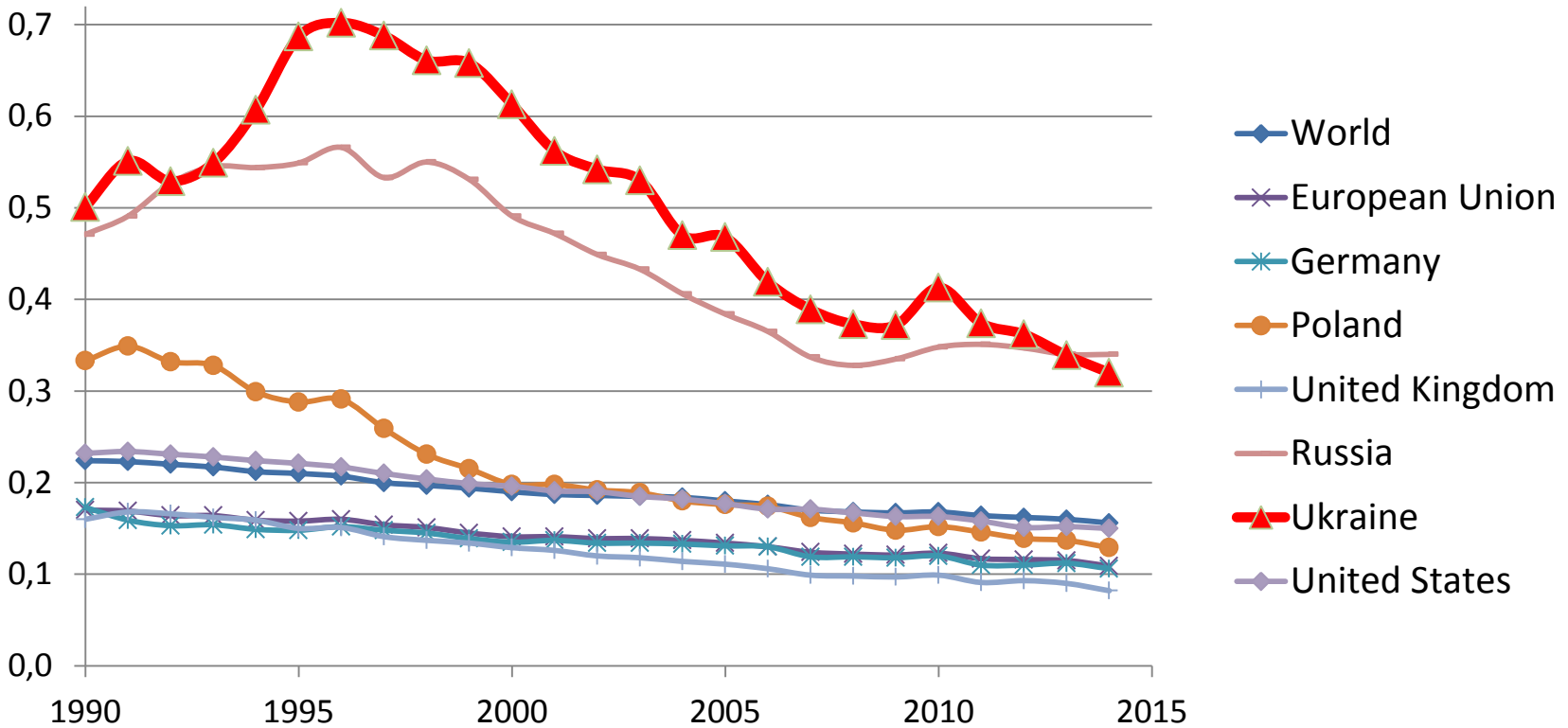
VII International Investment Business Forum on Energy Efficiency and Renewable Energy
Kiev, 13 November 2015

BUILDING PARTNERSHIPS FOR ENERGY SECURITY

Current situation in energy efficiency sphere in Ukraine



Energy intensity of GDP at constant purchasing power parities (koe/\$2005p)



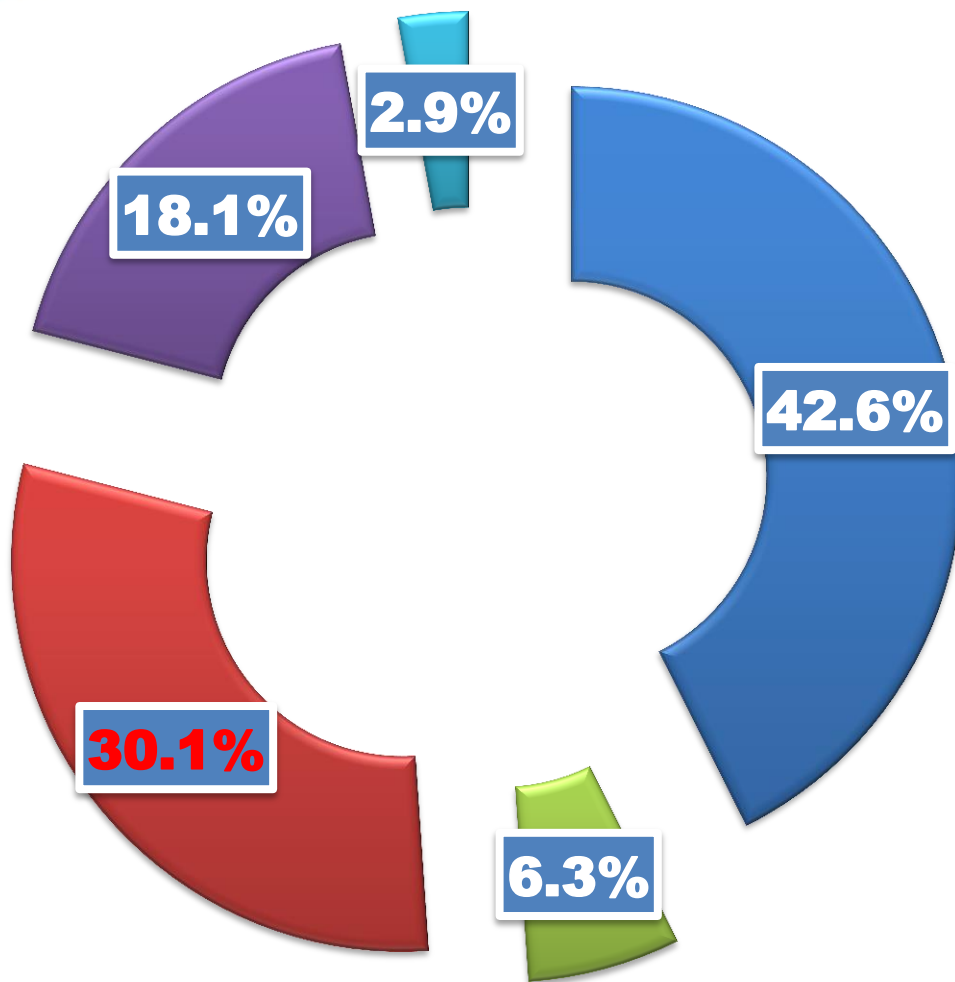
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Source: Enerdata Energy Statistical Yearbook 2015



Final Energy Consumption by Sector in Ukraine



- industry
- transport
- residential sector
- trade and services
- agriculture

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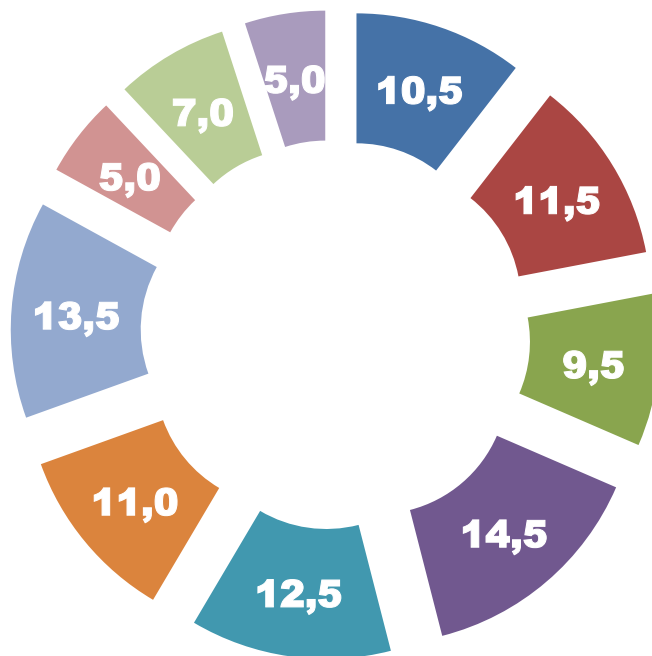


Source: ENERGY BALANCE OF UKRAINE FOR 2013

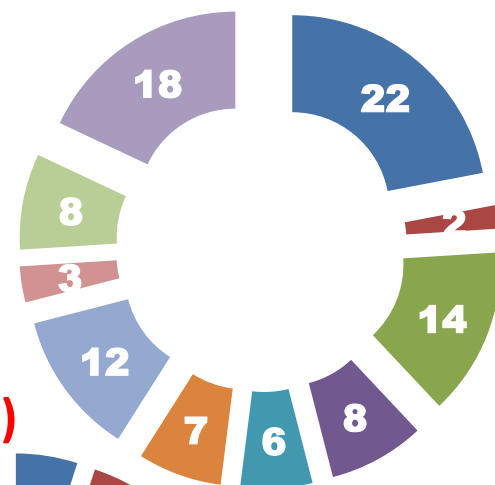
Residential final energy consumption in Ukraine compared to EU and USA



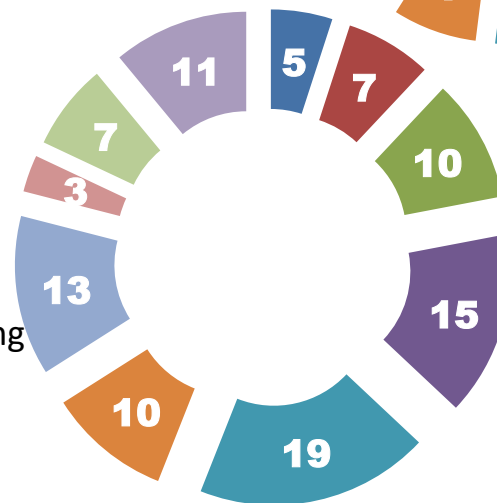
Ukraine



USA (2010)



EU (2009)



Source: SEAI

- Air conditioning & cooling
- Lighting
- Space heating
- Water heating
- Cooking
- Refrigeration and freezing
- Washing/ Drying
- Cleaning

Source: Author's Own Elaboration

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Achievements to date on Ecodesign in Ukraine



Technical regulations

Technical regulation for hot-water boilers fired with liquid or gaseous fuels (Resolution of CMU from 27.08.2008 №728)
(based on EU Directive 92/42)

Technical regulation on allowed level of energy consumption of refrigerating appliances (Resolution of CMU from 03.09.2008 №787)
(based on EU Regulation 643/2009)

National standards

Standards which provide presumption of conformity *
DSTU EN 297:2005 (EN 297:1994 IDT)
DSTU prEN 483:2003 (prEN 483:1998 IDT)
DSTU EN 625:2002 (EN 625:1995 IDT)
DSTU EN 656:2005 (EN 656:1999 IDT)
DSTU EN 677-2001 (EN 677:1998 IDT), and 5 national standards and GOSTs

Measurement standards (from 01.01.16)*
DSTU EN 62552:2014 (EN 62552:2013 IDT)
DSTU EN 60704-1:2014 (EN 60704-1:2010 EN 60704-1:2010/A 11:2012 IDT)
DSTU EN 60704-2-14:2014 (EN 60704-2-14:2013 IDT)
DSTU EN 60704-3:2014 (EN 60704-3:2006 IDT)
DSTU EN 153:2009 (EN 153:2006, IDT)

Source: http://www.ukrndnc.org.ua/index.php?option=com_techregs&Itemid=&task=tr&tr=4

<http://cct.com.ua/2015/1481731-14.htm>



Overview of technical regulations already approved in Ukraine (1)



Technical regulation for hot-water boilers fired with liquid or gaseous fuels

Sets the allowable efficiency output of a boiler during nominal heat power with an average water temperature of 70 ° C and during boiler operation with 30-percent load at an average temperature, which varies depending on the type of boiler;

Sets labeling requirements for boilers;

Conformity assessment procedures of mass production of boilers fired with gaseous fuels: modules B + C or B + D or B + E or B + F

Conformity assessment procedures boilers artificial or small-scale production fired with gaseous fuel: module G

Conformity assessment procedures of mass production of boilers fired with liquid fuel: modules B + C or B + D or B + E

Obligations of the manufacturer or his authorized representative to draw up a declaration of conformity and apply to each product national mark of conformity

Overview of technical regulations already approved in Ukraine (2)



Technical regulation on allowed level of energy consumption of refrigerating appliances

Scope : household electric refrigerators, freezers and combined refrigerator-freezers, excluding refrigerators for wine

Sets the allowable value of energy efficiency index of refrigeration equipment (not higher than 42)

Sets the method of calculation of the energy efficiency index

Specifies that energy consumption of refrigerating equipment defined in accordance with DSTU EN 153 "Methods of measuring the energy consumption and relevant characteristics of household refrigerators, freezers, freezers and their combinations"

Conformity assessment procedures: module A or H

Obligations of the manufacturer or his authorized representative to make the declaration of conformity, technical documentation and apply to each product national mark of conformity

Resolution of CMU, 475/2015



- The resolution of the CMU set out the following procedure for the Ecodesign Directive in Ukraine
 - Analyse current Ukrainian energy efficiency legislation
 - Make changes as required
 - Prepare draft legislative act to transpose Directive 2009/125/EC
- Implement by 2017
- Those bodies made responsible for the Directive include SAEE, Ministry of Economy and Ministry of Natural Resources

- Source:

http://www.kmu.gov.ua/kmu/control/uk/publish/article?art_id=248102785&cat_id=247984327



Current work of Inogate project and its further plans



The specific objectives of the Project are:

- To assist SAEE in developing a draft legal document transposing the Ecodesign Directive;
- To assist SAEE with regard to the transposition of EU Ecodesign regulations into Ukrainian Technical Regulations: prioritisation of products; structure and contents of the proposed technical regulations
- To assist SAEE in the preparation of a list of European Harmonised Standards to support the introduction of the technical regulations;
- To assist SAEE with the translation of ten Ecodesign Regulations for different energy-related products.

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Transposition of the Ecodesign Framework Directive in Ukraine



- Provide a recommendation to SAEE on the implementation of the Ecodesign Framework Directive in Ukraine.
- Options to consider, either as:
 - Law or Technical Regulation
- Consider the arguments for and against
- Consult with Stakeholders
- Deliver a recommendation

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Prioritisation of the Ecodesign Product Technical regulations



- Deliver recommendations on how SAEE should prioritise the delivery of the Ecodesign Technical Regulations
- Considering the following criteria:
 - Commitments within existing Resolutions
 - Compatibility with existing Technical Regulations
 - Compatibility with existing national strategies
 - Projected energy savings
 - Technical complexity and contentiousness

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Delivery of the Technical Regulations



- In the context of supporting SAEE in the implementation of the product technical regulations on Energy Labelling and Ecodesign
 - Prepare a list of the EU Harmonised Standards necessary for implementing the product regulations
 - Translation of the 10 Ecodesign technical regulations
 - Advice on completing 5 Energy Labelling technical regulations

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INOGATE Technical Secretariat

Thank you for listening
Any questions?

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