

III International Science Conference SER 2020

September 17th – 19th, 2020
Igalo (Herceg Novi), Montenegro

"NEW TRENDS AND BEST PRACTICES IN SOCIOECONOMIC RESEARCH"



Conference program

Organized by:

Economic Laboratory for Transition Research,
Podgorica, Montenegro

Adriatic University Bar,
Faculty for Mediterranean Business Studies Tivat,
Montenegro

Center for Sociological Research
Szczecin, Poland

University "Mediterranean, Podgorica
Montenegro



Publisher: *Economic Laboratory for Transition Research*, Podgorica, Montenegro; *Center for Sociological Research Szczecin*, Poland; *Adriatic University Bar, Faculty of Mediterranean Business studies Tivat*, Montenegro; and *University Mediterranean, Podgorica*, Montenegro

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Printing: 150 Copies / **Printed:** “3M Makarije”, Podgorica

CIP - Каталогизација у публикацији
Национална библиотека Црне Горе, Цетиње
ISBN 978-9940-673-18-5

COBISS.CG-ID 35499792

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ENERGY EFFICIENCY GAP ON NATIONAL ECONOMY

ABSTRACT

The unsynchronized of the country's environmental, energy and economic policies raises the dilemma of the priority of a fundamentally new trajectory of the country's development and the achievement of the Sustainable Development Goals in the field of energy efficiency and energy saving. At the same time, reinforcing of environmental conflicts, increasing tendency of energy consumption and greenhouse gas emissions requires a primary focus on the formation of effective mechanisms for solving and energy problems and providing energy security. In this direction, the formation of a fundamentally new model of stakeholder interaction in providing the country's energy security by minimizing the existing energy efficiency gaps (mismatch between optimal and actual energy efficiency levels in the absence of opportunistic behaviour of stakeholders), modelling explicit and making energy-efficient decisions; constructive modelling of causal socio-ecological economic interdependencies in energy-efficient decision-making in the state-business-society chain. In this case, it is necessary to develop the economic-mathematical model for checking the causal links between stakeholders in energy efficiency decisions, which will describe and formalize the patterns of complementary effects and risks of energy efficiency decisions to achieve a balance between optimal and current levels of energy efficiency. The authors proposed to develop the optimal and time-balanced road map of sustainable energy development of Ukraine, which will contain guidelines and criteria for decision-making by stakeholders to minimize energy efficiency gaps which will contribute to the country's energy breakthrough in the context of global development trends.

KEYWORDS: energy, green energy, energy consumption, efficiency, sustainable development, energy gap.

FUNDING: This research was funded by the grants from the Ministry of Education and Science of Ukraine (№ 0120U102001 and №0117U003932).

