

## **IV International Science Conference SER 2021**

**September 17<sup>th</sup> – 20<sup>th</sup>, 2021  
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  
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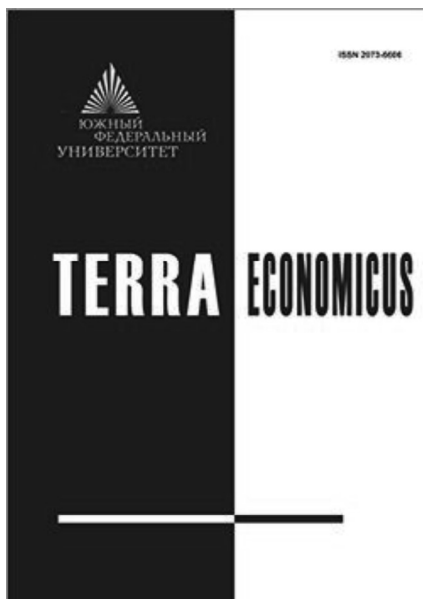
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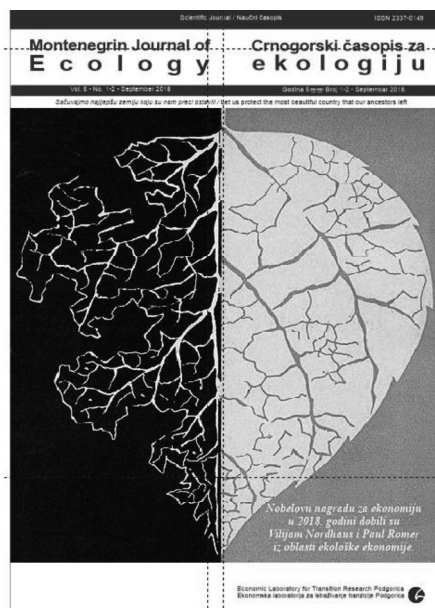


## ЖУРНАЛ ЭКОНОМИЧЕСКОЙ ТЕОРИИ

В номере:

Оценка социально-инновационных проектов региона  
Цифровая модель для современного бизнеса  
Теоретико-игровое моделирование контроля слияния предприятий  
Дискуссионные вопросы теории воспроизводства и накопления капитала

Т. 16, №1



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## Foreword

We would like to thank all the contributors, discussants and participants of the IV International Scientific Conference SER 2021, entitled “*New Trends and Best Practices in Socioeconomic Research*”, successfully organized and held in Igalo (September 17th-20th, 2021), which contributed to the same success and has a high scientific quality.

Special thanks to the organizers:

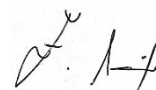
- Adriatic University Bar, Tivat, Montenegro,
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- Center for Sociological Research, Szczecin, Poland,
- Economic Laboratory for Transition Research, Podgorica, Montenegro and
- Palmon Bay Hotel & Spa, Igalo, Montenegro.

We had 97 authors from 25 countries (Armenia, Austria, Australia, Bosnia and Herzegovina, Canada, Czech Republic, Croatia, France, Germany, Hungary, Italy, Lithuania, Montenegro, Poland, Portugal, Romania, Russia, Saudi Arabia, Serbia, Slovakia, Slovenia, South Africa, Thailand, Ukraine and Vietnam).

Conference participants submitted 74 scientific abstracts, which were reviewed by the International review board (Prof. *Dalia STREMIKIENE*, Prof. *Veselin DRASKOVIC*, Prof. *Yuriy BILAN*, Prof. *Vyacheslav V. VOLCHIK*, Prof. *Daniil FROLOV*, Russia, Prof. *Radoslav JOVOVIC*, Assoc. Prof. *Mimo DRASKOVIC*, Prof. *Bagrat YERZUNKYAN* and Assist. Prof. *Milica DELIBASIC*).

I hope that the conference participants, in dynamic, interesting and original reports and discussions, will succeed in moving the boundaries of knowledge about the current theme of this conference. I believe that many of the old questions, problems and dilemmas will get some new arguments, information and evidence.

Chair of Scientific Committee



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## **PROBLEMS AND PROSPECTS OF WATER RESOURCES MANAGEMENT**

*The aim of this paper is to demonstrate some of the key problems of water resources' management and propose some ways to their solution. Water resources (WR), especially high-quality fresh water, are of great ecological, economic and social importance. However, their management systems often fail to meet the current needs of addressing the accumulated problems in the water sector, which could lead to increased water scarcity and quality issues, as well as to pose difficulties for food security and ecosystem protection. It is important to note, that nowadays, water resources management cannot focus only on solving current problems, it should have a strategic vision for the water sector development and the ability to implement it. Only adequate combination of tactical and strategic solutions can reduce the risks related with the acceptable supply of water of the right quality for different applications, including using alternative water supply methods. One of the most promising forms of the governing the combined solutions, including both managerial and technological aspects, are information and technology platforms (IT-platforms) that ensure the functional unity of the structures and environment of the ecosystem.*

*The foreign experience of intelligent management systems (IMS) of water resources with the use of digital technologies (DT) and technological innovation (TI) is diverse and includes (i) the innovative platform SANEPLAN implemented in a number of cities in Italy and Spain, (ii) "Atlas of Urban Waters for Europe" aimed at achieving the goal of "Water-Wise City" based on the experience and best practices of management of more than 40 cities in Europe, (iii) the interactive IT-platform Environmental Glance used by the OECD as a tool for monitoring, assessing environmental progress (including in relation to water resources) and tracking the path towards sustainable development.*

*As for Russia, the 2018 large-scale presidential spatial development program assumes the widespread use of TI, DT and modern approaches in housing and communal services in developing a strategy for socio-economic development. A good example of the implementation of IT-platforms that ensure the transition to the IMS of WR is the Federal project "Digital Ob-Irtysh Basin", the purpose of which is to create a control system for the WR of the largest river basin in Russia, based on Big Data using the technology of "Smart Digital Twins" (SDT). The advantages of the similar platforms consist in the solving such tasks as creating new competencies in the region, jobs, introducing technological innovations, solving import substitution issues. However, the process of digitalization in Russia is proceeding slowly because of numerous violations of the rules for the protection of water bodies contribute to the pollution of WR, as well as ineffective state monitoring and environmental control due to the slow introduction of DT and TI, and the lack of objective information on the state of water bodies hinders the technological and economic development of the sphere, complicates the adoption of management decisions and the*

*transition to "smart water". The research results can be used by the state, regional and urban (municipal) authorities, all legal entities and individuals related to the WR management system.*

**KEYWORDS:** *Water resources, problems, solutions, information and technology platforms.*

