Preface International Conference on Ensuring Sustainable Development: Ecology, Energy, Earth Science and Agriculture

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Abstract. As part of this information, the results of the International Conference on Ensuring Sustainable Development: Ecology, Earth Science, Energy and Agriculture (AEES2023) are presented.

We pleased to present the conference proceedings for the International Conference on Ensuring Sustainable Development: Ecology, Earth Science, Energy and Agriculture (AEES2023).

The conference is was to summarize international experience in the field of agriculture ecology and earth science. The conference will present scientific research aimed at solving a set of problems in the field of sustainable development, namely:

1. Development of scientific and practical potential in order to formulate proposals for the introduction of science-intensive technologies in agriculture;
2. Popularization of fundamental and applied research in the field of agriculture, ecology and nature management, mining and soil cultivation technologies;
3. Formation of recommendations aimed at improving computer models, information technology, engineering, innovative and digital technologies in agriculture and environmental protection.

The conference is aimed at comprehensively reviewing and expanding our understanding of how the UN Sustainable Development Goals are being implemented in modern conditions across all basic components. The issues of transformation of international processes are considered in the context of research on the UN Sustainable Development Goals until 2030, the development of scientific and technical potential in various sectors and industries to transfer agriculture to an innovative path of development, taking into account issues of ecology and environmental management, mining technologies and soil cultivation before developing recommendations for improvement of computer models, information technology, engineering, innovative and digital technologies in agriculture and environmental protection.

The impact of changes on societies of all countries of the world is quite large and noticeable, and international cooperation can act as a tool for mitigating the consequences of climate change, helping to maintain the conditions for ensuring the sustainability of

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global ecosystems. In this context, international trade, agriculture and agricultural practices, as well as mining technologies, can both contribute to the increase in emissions causing climate change, and at the same time neutralize the consequences and promote environmental adaptation, while maintaining sustainable development. Particular attention is paid to the aspects of searching for tools that ensure the sustainability of the global world economy to climate change and creating the preconditions for increasing the well-being of people, especially in developing countries.

We would like to emphasize that prominent scientists from China, India, Brazil, Vietnam, Sri Lanka, Azerbaijan, Turkmenistan, Uzbekistan, Armenia, Belarus, Kazakhstan, Tajikistan and Russia presented their reports at the session in the designated areas of agriculture, green energy, ecology, and geosciences. We would like to emphasize that the program and organizing committee included both leading scientists and representatives of various fields of activity and industries.

Our conference is held on the basis of Shenzhen University (Shenzhen, China) and Financial University under the Government of the Russian Federation (Moscow, Russia) December 21-22, 2023.

Program Committee