

Veaceslav URSACHI\*

## SUSTAINABLE DEVELOPMENT THROUGH OPEN SCIENCE AND INNOVATION

**Abstract:** The presentation will address the topic of sustainable development and perspective of the Republic of Moldova through open science and innovation. Following its independence, the Republic of Moldova faced a range of political, economic and social issues and had to overcome them relying mainly on its own resource potential. In order to overcome challenges Moldova must adopt a new paradigm of development — sustainable development. Sustainable development is the organizing principle for meeting human development goals while at the same time sustaining the ability of natural systems to provide the natural resources and ecosystem services upon which the economy and society depends. The Republic of Moldova has no natural resources, face brain drain, is dependent on money flow from diaspora, has insufficient international trade to sustain and has low investments in science. In these conditions, the only way forward *is to build a knowledge society, where the economy is powered by knowledge*, based on an open science and innovation system.

*Open innovations* is one of the actual ways to solve the tasks of creation and promoting the new elaborations. *With the “open innovations” model the long-term success can be reached in the best way on the modern dynamic market.* For Moldova implementation of open innovation model is also one of the main factors for the economy. Some Moldovan companies in different branches and sizes are successfully using in practice the certain elements of open innovations model — selling and buying knowledge, participation in publicly financed joint research projects. Currently, the Republic started to use the *open innovation paradigm*.

Moldova has adopted a paradigm that can contribute to building better society and economic potential, without having natural resources and facing adversity. In this paradigm, sustainable development can be achieved by fundament open science and innovation, promoting investments and infrastructure that will lead to social and economic development.

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\* Section of Engineering and Technological Sciences, Academy of Sciences of Moldova