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## **THE DOCTRINE OF V.I. VERNADSKYI ON THE NOOSPHERE AS A BASE FOR THE INNOVATIVE PROVISION OF ENVIRONMENTAL DEVELOPMENT OF REGIONS (NOOREGIONS)**

The article analyses relevant issues of the doctrine of V.I. Vernadskyi on the noosphere as the basis of the innovative provision of environmental development of regions and sustainable development of nooregions, because the lack of natural resources can be solved precisely at the expense of environmental innovations and human resources. The results of the creative approach of scientists must be innovative solutions for people for their progressive role in the development and improvement of nooregions of the world, where the foundation will be the doctrine of V.I. Vernadskyi about the noosphere.

The analysis showed that now, during the fourth industrial revolution, there is a powerful thrust of the biosphere to the noosphere, and this contributes to the innovative provision of environmental development of the regions (nooregions), where information, creativity, and knowledge form a synergy of positive changes for the formation of intellectual capital. Modern nooregions of the world are developing precisely in the direction of ecology, and their innovative economy based on knowledge is identified with the future global noosphere economy of a planetary society. Human creative work becomes the dominant perspective of the green development of the regions. The scientific and technological advance is moving along the ascending line, where the transition to the 6th and 7th technological processes will contribute to deepening the technological “explosion” that is already happening, the invention and the introduction of nanotechnologies and nootechnologies, whose radical action creates a syner-

gistic effect aimed at resolving the terrible pollution of the environment, exhausted resources of the earth and natural energy sources that are waiting for us in the near future, and the complete collapse of all mankind with great extinction. The use of nootechnologies, which includes a group of quantum life-support methods for people without biospheric damage, will help to significantly innovate and improve the ecological development of the nooregions. In our opinion, nootechnologies are an innovative train in the construction of the noosphere by V. Vernadskyi, the systematic orientation of the construction of a nooeconomy in nooregions, in which life support will be carried out without damage to the environment and threats to human health, and a noosociety based on the activities of intelligent innovators and creative individuals, which will develop in harmony with the biosphere.

So the doctrine of V.I. Vernadskyi’s noosphere is the basis for the innovative provision of environmental and sustainable development of nooregions because the lack of natural resources can be solved precisely at the expense of environmental innovations and human resources. The results of the creative approach of scientists must be innovative solutions for people for their progressive role in the development and improvement of nooregions of the world, where the foundation will be the doctrine of V.I. Vernadskyi about the noosphere. In addition, it will help humanity to live with high-spiritual goals, where the goal is not to profit but to increase the spirituality and quality of life in all regions of our planet.