

# Fundamentals of environmental problem and transformation of scientific knowledge in environmental knowledge

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## Abstract

This research studies the complex of concepts: the natural and the artificial, civilization and culture, natural forces and human forces, natural processes and induced processes. These binary concepts generally reflect the historical experience of the interaction of man and nature, the results of which are before the eyes of people themselves, and represent the level of development of human life in nature and society. Analysis of these results is performed by the activity method. The considered binary concepts reveal the continuity of matter and natural processes in practical and cognitive activity of man, i.e., the systematic property of interaction between man and nature. Mining is the process of extracting natural material from direct contact with the ground; induced natural processes obtain their origin: the extracted matter is converted into raw material, and nature - into the artificial nature. To adjust production activities in order to prevent natural and social consequences, it is necessary to transform the scientific knowledge used in this activity into environmental knowledge, and expand the scope of activity drivers, complementing it with incentives related to environmental knowledge.

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## Keywords

Activity, Artificial, Environmental problem, Induced process, Interaction, Natural, Transformation

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