

## **Feed-backs in the system of adaptation of national economy to the climatic changes**

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**Research Methodology.** By means of systemic structuring method the processes of positive and negative feedbacks in system of national economy adaptation to climate change are described. Formal and logical methods are used to describe practical areas of national economy ecologically oriented development in conditions of climate change.

**Results.** (1) The expected socio-economic risks of climatic origin for the national economy of Ukraine are grouped. (2) It is proved that the effective management of the national economy in terms of climate change requires the use of two types of feedbacks: positive feedback and negative feedback. The usage of these feedbacks is realized through the adaptation and bifurcation development mechanisms. (3) The content of feedback mechanisms is showed and economic costs associated with their implementation are analyzed.

**Novelty.** It is found that some economic systems within national economy do response to increased climatic fluctuations through forward linkages. Also the essence of positive and negative feedbacks and their relation to adaptation activities in the process of mitigating the adverse effects of climate change on the national economy is described.

**The practical significance.** The performed analysis identifies the key socio-economic and environmental risks of climate origin to the national economy of Ukraine. Practical directions of national economy transformation towards the “green” economy are discussed. The priority sectors of the national economy development in terms of climate change are proposed, namely alternative energy, recreation, organic farming, etc.