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Research methodology. The results are obtained with the following approaches and methods: evolutionism for studies of hereditary carriers of genetic information; dialectical approach for justifying of driving role of contradictions in innovative changes of genome and genotype of an economic system; clustering and classification for characteristics of the technological phenotypes of national economy.

Results. The results of search of the inherited carriers of economic-genetic information are accumulated. The technological and intuitional duality and the interactivity of hereditary «kernel» of an economic system are grounded. To designate elementary carriers of the economic-genetic information, the term «ecogene (economic gene)» is suggested, and to indicate their homogeneous and related aggregates – «ecosome». The economic gene pool of the system is defined as a complete set of ecosomes; economic genome – as situational-to-date set of components of the gene pool; economic genotype – as a set of inherited characteristics and macroscopic properties of the system, caused by variations in the genome and combinatorics of its elements; economic phenotype – as a set of characteristics and properties of elements of the system formed under the influence of a specific environment.

Arguments are advanced in favour of the fact that innovative metamorphoses of macroeconomic system are determined by the resultant process, such as: a) circulation of dominant and latent innovative ecogenes depending on the speed of self-generation and (or) the borrowing of innovation, mechanisms of replacement of dominant predecessors by innovative genes or convergence with them; b) co-evolution of technologies and institutions; c) changes in priorities of development and the cyclical sharpening of innovative needs of economic actors throughout the life cycle of the system.

Novelty. The technological - institutional duality and interactivity of heredity core of the economic system are revealed. The regularities of innovative metamorphosis of the economic genetics are analyzed. The author's definitions of such notions as «economic gene pool», «economic gene», «economic genotype», «economic phenotype» are formulated.

Practical value. At the stage of setting the problem, there is suggested the economic-genetic basis of innovative macrodynamics. The presented results open up prospects for further studies of regulatory mechanisms for innovative development of national economic genome and genotype.

Keywords: economic-genetic inheritance, technology, institutions, eco-genes, economic

genome, economic phenotype.

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