

## The Concept of Bioeconomy Development in Ukraine until 2050

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### Abstract

*The creation of a globally competitive bioeconomy, which should become the basis of modernization and the construction of a post-industrial economy by Ukraine taking a leading position in the field of biotechnology development, including in certain areas of agrobiotechnology, bioenergy, biomedicine, and industrial biotechnology;- development of domestic demand and export of biotechnological products; creation of a technological and research and industrial base for the formation of the bioenergy industry; creation of a production and technological base for the formation of sub-sectors of the bioeconomy capable of replacing a significant part of the products produced by the chemical synthesis method with products of biological synthesis in the long term;- creation of institutional conditions for the deep modernization of the technological base of the relevant industries and agriculture due to the development of a closed cycle economy and the mass introduction of biotechnology methods and products into production; integration of the scientific and technological sector of Ukraine into the international system of knowledge production with a view to anticipatory development of scientific potential.*

**Keywords:** bioeconomy, bioenergy, biodegradable plastics, agricultural waste, biomass, biogas