

ABOUT NEW CONDITION OF ECOSYSTEMS

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The conception of stable development accepted by World Community in Rio de Janeiro in 1992 for the XXIth century supposes the further development of ecosystem methods of approach. Nooceanoses - technological lines of various productions becomes new and main elements of ecosystems. The main task is to balance them with natural environment and ecosystem productivity. V.N. Sukachev (1940) divided basic structural elements of ecosystems into: 1) bioceanosis - living substance, and 2) biotope - bioceanosis habitat and development medium. The mankind becomes main geological power on the Earth. S.S. Shvarts (1974) named the products of this activity together with technologies as nooceanoses. The space, where they are functioning and interacting with, is called ecotope. The basic structural elements of new modern ecosystems or noosystems are: bioceanosis - biotope - nooceanosis - ecotope. The idea of mankind survival supposes the preservation of biosphere and biological variety, that is the preservation of bioceanoses and their quality. This problem can be solved by creation of stable noosystems and their localization from natural cycles of chemical elements migration. In the XXIth century this problem will be solved to a considerable extent by construction of underground noosystems. According to V.I. Vernadsky, the biosphere will turn into the sphere of mind - into the noosphere.