Interdisciplinary Scientific Data for Sustainable Development Global Simulation

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The concept of sustainable development emerges from conditions of obligatory coordination of economic, ecological and social/institutional dimensions in a process which continues from one generation to another; therefore the quality and safety of life should not decrease, the environmental conditions should not worsen and social progress should meet the needs of every person. An approach of systemic coordination and balancing of these three constituents is proposed herein.

A system of factors (indices and indicators) and a new method of quantitative and qualitative evaluation are developed. This system, named “Sustainable Development Gauging Matrix” (SDGM) and data presented by reliable international organizations culminated in a Global Simulation regarding quality of life and security of the world population. Specifically, this study focuses on applying matrices to estimate the impact of the information society on sustainable development as well as an analysis of the Systematic Regularity of World Conflicts over the Course of Time. A prognosis is detailed of the next world conflict, labelled the “Conflict of XXI Century”, and an analysis is provided of its nature and main characteristics; duration, main phases of the conflict and intensity. This prognosis details a set of basic global threats that spawn this conflict. Using cluster analysis, its influence on different countries of the world is accurately defined. Inferences are drawn from specific hypotheses as to possible scenarios occurring during the systemic conflict and after its conclusion. Ukraine’s development, from aspects of System Analysis, sustainable development and different scenarios of future development, is discussed and proposed.