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## Polity and population quality dynamics

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### Abstract

The paper puts forward the idea of polity dynamics relationship with ethnogenetic dynamics that suggests the existence of ethno and policy genesis as a single process. The ethnogenetic dynamics is expressed by the fact that ethnicity throughout its life undergoes a series of age phases - stable periods and phase transitions separating these periods - unstable crisis periods, for which large-scale domestic conflicts and major military defeats of the state established by it are natural. The ethnogenetic dynamics is determined by the population qualitative composition dynamics, i.e. the dynamics of individual shares for different energy types as the part of an ethnic group. Universal and invariant regularity is developed for polity types, ethnicities and historic epochs linking the polity dynamics in its conflict aspect with the dynamics of population qualitative composition - a numerical algorithm of ethno and policy genesis. The following hypothesis is stated that the algorithm existence is based on the synchronization dynamics quality by climatic cycles associated with solar activity cycles. © 2014 AENSI Publisher All rights reserved.

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### Keywords

Climatic and solar cycles, Numerical algorithm of ethno and policy genesis, Polity dynamics, Population quality dynamics