AN ECOLOGICAL DEMOGRAPHIC ECONOMIC MODEL

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A non-linear model of ecological, demographic, and economic processes is presented to give a useful tool for global analysis of international labour mobility and trade.

The model considers a set of points (countries) on the plane, each determined by dynamics of their own variables, and interacted with each other.

The basis for this model is determined on the hypotheses that:

1) population can migrate from one point to another to get the best level of living;

2) population consist of two employment groups with skilled and unskilled labour;

3) production function converts skilled and unskilled labour units into effective labour units.

The level of living at the specified point is determined by economic activity and quality of environment.

REFERENCES

Olenev N. Production Function of Skilled and Unskilled Labour in a Model of a Non-Growing Russian Economy . - Aberdeen: ILM Conference Proceedings, October 11-12, 1999. PP.560-575.