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О.Н. Кибик. Транспортный потенциал в системе развития экспортных возможностей Украины. – Статья.

Аннотация. В статье определена роль потенциала транспортной системы в экспортной деятельности. Систематизированы проблемы функционирования украинских транспортных предприятий, ограничивающие возможности реализации их экспортного потенциала. Предложена система мероприятий по повышению уровня конкурентоспособности транспортной системы как важного звена экспортной деятельности государства.

Ключевые слова: экспорт, экспортные возможности, транспортный потенциал, развитие.

Olga N. Kibik. The Transport Potential in the Development System of Export Capacity of Ukraine. – Article.

Summary. The role of potential of the Ukrainian transport system in export activity is investigated in the article. The factors of limitation of export potential of the Ukrainian transport enterprises are systematized. The system of measures on the increase of level of competitiveness of the Ukrainian transport system transport system is grounded.

Key words: export, export capacity, transport potential, development.

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ON THE DEPENDENT AND INDEPENDENT VARIABLES IN MODELING THE SHAPING OF GLOBAL ECONOMIC ARCHITECTURE

Abstract. In the article of A.V. Kobylianska “On the dependent and independent variables in modeling the shaping of global economic architecture” an attempt to suggest on the list of dependent and independent variables, which influence the current state and further changes of global economic architecture, was made. The paper develops the views of the author presented in her previous works on the issue.

Key words: global economic architecture, center of global economy (CGE), economic growth, exogenous and endogenous variables, economic power.

The current world economy is characterized by the relative inequality of countries and regions that, taking part in global economic relationships, being a part of global economic networks, form global economic architecture. Theoretically respective issues were discussed in works of such famous foreign and domestic authors as: I.M. Vallerstein with his world-system approach, S. Smith who developed the theories of “neocolonialism”, V.D. Bazilevich, A.S. Filipenko, etc.

Based on the achievements of the abovementioned scientists, in previous works [1; 2; 3] it was discussed how the process of CGE influence on global economic development and its architecture could be structured. The specific logical framework was suggested [3]. It was concluded that basically there are two types of transformations, which could be named as “transformation boxes” that take place in modern global economic development: transformation box 1, when sources and reasons of inflows and outflows to CGE convert into inflows and outflows of CGE, and transformation box 2, when, vice versa, inflows and outflows change the characteristics of CGE and thus, change instantaneous positions of global economic actors in the terms of their economic development, ability to influence other economic agents and world economy in whole.

It was further suggested that the respective indices, indicators and measures should be developed for each respective influence to be described, evaluated and measured.

Table 1 summarizes such a list of possible indicators.

Conclusions and suggestions. The table contains an exhaustive list of quantitative and qualitative indicators that could be further specified in terms of data available in World Bank Database and other respectful sources. The aim of this specification is to achieve the needed level of consistency among CGE, which would be analyzed with the aid of the methodology which is under development.

The relationships between the different categories within the same column should be analyzed in order to avoid multicollinearity in final model. While relationships within transformation boxes suggested in [3] should be supposed to form the canvas for the research.

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А.В. Кобилянська. Щодо залежних і незалежних змінних в моделюванні формування глобальної економічної архітектури. – Стаття.

Анотація. В статті А.В. Кобилянської «Щодо залежних і незалежних змінних в моделюванні формування глобальної економічної архітектури» була зроблена спроба запропонувати список залежних і незалежних змінних, які впливають на поточний стан і подальші зміни глобальної економічної архітектури. Стаття розвиває погляди автора, представлені в попередніх роботах з даної тематики.

Ключові слова: глобальна економічна архітектура, центр глобальної економіки, економічне зростання, екзогенні та ендогенні змінні, економічна сила.

А.В. Кобылянская. Относительно зависимых и независимых переменных в моделировании формирования глобальной экономической архитектуры. – Статья.

Аннотация. В статье А.В. Кобылянской «Относительно зависимых и независимых переменных в моделировании формирования глобальной экономической архитектуры» была предпринята попытка предложить список зависимых и независимых переменных, которые влияют на текущее положение и дальнейшие изменения глобальной экономической архитектуры. Статья развивает взгляды автора, представленные в предыдущих работах по данной тематике.

Ключевые слова: глобальная экономическая архитектура, центр глобальной экономики, экономический рост, экзогенные и эндогенные переменные, экономическая сила.

Table 1

CGE influence on global economic development and its architecture: system of indicators and measures

| | CGE inflow influences | Indicators and measures | CGE outflow influences | Indicators and measures |
|-----------------|--|--|--|--|
| Economic | Import of goods and services to CGE | Total value of commodity imports to CGE, USD in constant prices Total value of services imports to CGE, USD in constant prices Share of commodity imports to CGE from some country Share of services imports to CGE from some country | Export of goods and services from CGE | Total value of commodity exports from CGE, USD in constant prices Total value of services exports from CGE, USD in constant prices Share of commodity exports from CGE to some country Share of services exports from CGE to some country |
| | Import of FDI to CGE | FDI inflow to CGE, USD in constant prices Share of FDI inflow to CGE from some country Number of enterprises with FDI | Export of FDI from CGE | FDI outflow from CGE, USD in constant prices Share of FDI outflow from CGE to some country Number of enterprises with FDI |
| | Import of portfolio investments to CGE | Portfolio investments inflow to CGE, USD in constant prices Share of portfolio investments inflow to CGE from some country | Export of portfolio investments from CGE | Portfolio investments outflow from CGE, USD in constant prices Share of portfolio investments outflow from CGE to some country |
| | Import of remittances to CGE | Remittances inflow to CGE, USD in constant prices Share of remittances inflow to CGE from some country | Export of remittances from CGE | Remittances outflow from CGE, USD in constant prices Share of remittances outflow from CGE to some country |
| | Import of credit sources to CGE | Credit inflow to CGE, USD in constant prices Share of credit inflow to CGE from some country | Export of credit sources from CGE | Credit outflow from CGE, USD in constant prices Share of credit outflow from CGE to some country |
| | Immigration to CGE | Total quantity of immigrants in respective period | Emigration from CGE | Total quantity of emigrants in respective period |

| | | | | |
|----------------------------|--|---|--|---|
| | Import of currency fluctuations to CGE | The level of dependence of domestic economy on foreign currency Share of foreign credit sources in banking system | Export of currency fluctuations from CGE | The level of dependence of foreign economy on domestic for CGE currency Share of credit sources from CGE in banking system of foreign country |
| Political | Import of political norms and policies, incl. economic ones to CGE | Number of economic agreement signed with foreign counterparties Number of political conflicts with foreign counterparties Facts of economic wars with foreign counterparties (economic blockades of some goods or services) | Export of political norms and policies, incl. economic ones from CGE | Number of economic agreement signed with CGE Number of political conflicts with CGE, where CGE is an initiator Facts of economic wars with CGE (economic blockades of some goods or services) |
| Ecological | Import of bad and good ecological influences to CGE | Facts of ecological disasters and catastrophes on the border with other countries The payments got under Kyoto protocol The disposition of potentially dangerous enterprises on the border with a country | Export of bad and good ecological influences from CGE | Facts of ecological disasters and catastrophes on the border with CGE The payments paid under Kyoto protocol The disposition of potentially dangerous enterprises on the border with CGE |
| Social and cultural | Import of social influences and cultural values to CGE | Facts of joint cultural programs The volumes of immigration into CGE from the countries with other culture | Export of social influences and cultural values from CGE | Facts of joint cultural programs The volumes of emigration from CGE to the countries with other culture |
| R&D | Import of knowledge and technologies to CGE | Share of import of innovative products in total import to CGE | Export of knowledge and technologies to CGE from CGE | Share of exports of innovative products in total exports from CGE |

| Sources and reasons of inflow and outflow occurrence | | | | |
|--|---|---|---|--|
| | Reasons of inflow to CGE occurrence | Indicators and measures | Reasons of outflow from CGE occurrence | Indicators and measures |
| Economic | <p>Lack of production of specific goods and services</p> <p>Lack of internal savings</p> <p>Weak financial market</p> <p>Deficit of labor force in specific economic areas</p> <p>High dependence on foreign currency</p> <p>Weak production development and diversification</p> <p>Weak resource base (water, soil, air, energy, mineral sources etc.)</p> | <p>Total values of production of specific commodity</p> <p>Total value of import of specific commodity</p> <p>Negative difference between total domestic savings and investments</p> <p>Absence of effective Stock exchanges</p> <p>Frequent failures of banks</p> <p>Low normalized relationship between the output of specific production and the number of workers of specific category</p> <p>Amount of foreign currency in circulation with respect to national currency</p> <p>Low shares of specific economic areas production in total domestic production output</p> <p>Presence of raw materials' sources on the territory of CGE</p> <p>Presence of rivers and seas, which are used in:</p> <ul style="list-style-type: none"> • Agriculture • Industrial production • Transportation <p>Etc.</p> | <p>Excessive production of specific goods and services</p> <p>Excess of internal savings</p> <p>Strong financial market</p> <p>Excessive labor force in specific economic areas</p> <p>Low dependence on foreign currency</p> <p>Good production prospects</p> <p>Good resource base (water, soil, air, energy, mineral sources etc.)</p> | <p>Total values of production of specific commodity</p> <p>Total value of import of specific commodity</p> <p>Positive difference between total domestic savings and investments</p> <p>Presence of effective Stock exchanges</p> <p>Sound banking indexes</p> <p>High normalized relationship between the output of specific production and the number of workers of specific category</p> <p>Amount of foreign currency in circulation with respect to national currency</p> <p>Significant shares of specific economic areas production in total domestic production output</p> <p>Absence of raw materials' sources on the territory of CGE</p> <p>Absence of rivers and seas, which are used in:</p> <ul style="list-style-type: none"> • Agriculture • Industrial production • Transportation <p>Etc.</p> |
| Political | <p>Weak legal base and institutions</p> | <p>High corruption level</p> <p>Long period of getting specific permissions, licenses, to startup a business</p> | <p>Strong legal base and institutions</p> | <p>Low corruption level</p> <p>Short period of getting specific permissions, licenses, to startup a business</p> |

| | | | | |
|----------------------------|--|--|---|--|
| Ecological | High air, soil, water etc. pollution levels Absence of mechanisms of ecological security management | Levels of gas emissions Levels of water pollutions Number of trees cut Levels of noise pollutions Absence of legislations in the area Absence of institutions which control the obedience of the rules Number of fines for the ecological failures Volumes of penalties for the ecological ham-pers | Low air, soil, water etc. pollution levels Existence of mechanisms of ecological security management | Levels of gas emissions Levels of water pollutions Number of trees cut Levels of noise pollutions Sound legislation in the area Strong institutions which control the obedience of the rules Number of fines for the ecological failures Volumes of penalties for the ecological ham-pers |
| Social and cultural | Social and cultural unrest | Number of strikes, walkouts, social actions High gender inequality measured by: the difference in wages of women and men number of women at respective top positions in government, business, education Ineffective and undeveloped CSO | Favorable and effective functioning of social and cultural sphere | Number of strikes, walkouts, social actions Low gender inequality measured by: the difference in wages of women and men number of women at respective top positions in government, business, education Effective and developed CSO |
| R&D | Lack of needed knowledge and technologies | Weak legislation related to patent and license Small share of innovative production in total production Low quantity of high education institutions and research institutions Low quantity of R&D projects Insufficient financing of R&D in CGE | Excess of needed knowledge and technologies | Strong legislation related to patent and license High share of innovative production in total production Big quantity of high education institutions and research institutions Big quantity of R&D projects Good financing of R&D in CGE |

(Source: developed by author)