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1. Determinants for modification of dependence paradigm in the context of synergetic world order

In the process of phase-to-phase evolution, geopolitical world order changes its external characteristics, but also its essence, with subsequent rediscovering of dependence as a reason and a consequence of the existing asymmetries in economic development. The primary asymmetries, to which we include uneven distribution of primary resources, asynchronies of technological, economic and financial origins, geopolitical, socio-cultural and institutional differentiation, cause asymmetries in redistribution of global rental incomes and disruptions in hierarchical and functional integrity of the geo-space, with the modified dependence-based relations.

If we rely on ideologies of past century theoreticians who regarded dependence and weakness of economic development as a consequence of the growing global capitalism and dependence per se as a factor for economic exploitation (absorption of capital or surplus of goods) of developing countries by developed ones, they give us grounds to argue that dependence is a reason behind insufficient economic development, which implies that autonomous and independent development won't occur unless developing countries either overcome or essentially weaken the dependence pattern.

Hence, negative attitudes felt in interpretations of dependence concepts by adepts of structuralist and (neo)Marxist approaches made one view dependence as a result of: uneven economic development of countries setting up relations; unfair distribution of proprietorship on production means; impossibility of industrial development on Periphery; failure of Periphery to generate endogenous rapid technical progress; lack of capabilities to manage important components of the economic system due to its structural deformation. Dependence, therefore, comes to be a reality arising from certain historic factors that hampered autonomous economic development in a country setting up relations of subordination in the interests of a dominant country. Hence, economic development per se is a measure of the reasonability and the effectiveness of cross-country interactions; dictated by needs of the time and the historic context, these interactions determine the intentions of participating countries and the tools of their impact.

Canonically, the notion “dependence” is interpreted as “being under someone’s influence or someone’s power; obedience to someone, caused by someone’s action or the circumstances; the condition of linkage to something by way of subordination to it; the conditionality of something on certain circumstances or reasons”. It is obvious that dependence is defined in a way that predetermines the fatality of destructive and asymmetric relations for countries being under influence or pressure. Such tonality in the interpretation could be excused in analyses of the colonial phase in globalization, although even then it implied a variety of conclusions conditional on accumulation regimes in metropolis countries.

Quite often economic interdependence is referred to in professional literature only implicitly, as the reality that is not subject to disproval and does not need separate studies. Lack of insight in the dependence theme as the essential ground for the interdependence phenomenon due to weak focus on the conceptual aspect resulted in its simplified and blurred interpretation aggravated by stylistic gaps when the notions of “interrelation”, “interdependence” or “interaction” can be used as synonyms. One should agree with adepts of the approach based on interpretation of interdependence as the eternal reality that interdependence components are a derivative of interactions and their causalities. Interactions constitute the reason and the ways of the world being; the sequence of events forms the time, while their autonomy forms the space, which enables us to interpret the world by analyzing interactions of interactions. Accordingly, interdependence constitutes an integral property of the world and the overall relationship of its elements. Philosophers argue that there are no events without reasons, and there are no events without consequences. Hence, something that influences and something that is influenced cannot exist without each other: the reason and the consequence; the influence and the dependence.

Analysis of economic dependence dimensions includes economics patterns of the countries setting up the relations of exchange. The first dimension is related with *time*. The same country may have different degrees of dependence (dominance) in different times, because economic pattern of this country changes in time. This will be the *time dimension* of dependence (dominance). The second dimension is related with the level of economic development in a country. This means that economic dependence for developing countries differs from the dependence for developed countries, because the two groups of countries are, above all, at different phases of economic development. This leads us to an important conclusion: distinctive features of economic dependence are conditional on economic development phase in a country.

Economic vulnerability means that foreign economic transactions of a country have great importance for its welfare, and it is conditional on occasional or purposeful measures taken by other countries; but economic vulnerability also means that the economic pattern of a vulnerable country is sufficiently diversified and flexible to minimize the damage resulting from measures taken by other countries. From this it follows that a vulnerable country can take measures in response and find quite easily internal or external substitutes.

Economic dependence means that the dependent country's economy is open and narrow to an extent that it fails to redistribute resources in a way to create substitutes once the need for them occurs or fails to take measures in response to occasional or purposeful measures taken by other countries to harm it. Dependence is a function of internal and external conditions in a country or a group of countries. The type of dependence related with the internal environment in a country can be referred to as internal dependence. Internal dependence occurs as a consequence of a set of internal factors hampering the country's development. Dependence associated with the external environment is external dependence. It implies that a set of external factors hamper the country's development. Overall dependence, therefore, encompasses internal dependence and external dependence, and the links between them.

It should be noted that economic dependence or dominance of countries cannot be clearly seen in calm periods, when economic transactions are supposed as ones properly made.

Economic dependence (dominance) can be clearly seen only in the emergency periods when usual bilateral or multilateral transactions between countries are suspended, as in case of warfare, depressions or sanctions.

The chronological review of interpretations of "dependence" category in various theories enables for outlining the background and the implementation mechanisms for dependence-based relations, for finding out their determinants, for tracing their links with economic development and dependence forms it generates. This gives us grounds to assume the existence of historic links between theoretical concepts of dependence, group them in the logical evolutional sequence and explain the essential basis of neo-dependence paradigm:

(i) the path dependence concept (theories: growth poles theory, endogenous development theory, local development theory, growth theory, modernization theory), with emphasis on resource-based, minerals-based, factor-based, production-based, structural, technological and innovation-based types of dependence;

(ii) the concept of world system approach, with emphasis on financial, monetary, institutional and political types of dependence;

(iii) the concept of dependence (through analysis of structuralist, Marxist and neo-Marxist approaches), with emphasis on structural, technological and financial types of dependence;

(iv) modified concepts of dependence (through analysis of globalization-based and neo-structuralist approaches), with emphasis on structural, production-based, market-based, neo-liberal, political, institutional types of dependence.

Dominants for modification of dependence-based relations are: globalization as a manifestation of internationalization, liberalization and deteritoriation; institutionalization of cross-country interactions; market fundamentalism; openness of the economy; monetary and debt character of the global economy; transnationalization.

Determinants for fundamental change in the perception of the essential meaning of dependence are: main forms of international economic relations with their immanent laws of development; types of economic relations, prevailing in Center, and ways of expansion, used by Center; types of economic relations existing within the peripheral countries that are subject to dependence-based relations; factor efficiency of countries; revolutionary transformations in the character of competitiveness.

The review of the above theories allows us to argue that while system theories prioritize the objective factors behind the rise and escalation of economic dependence relations, and consider them as the reality, one-level theories overemphasize particular manifestations of dependence (distinctions in political interests, specific ways of development strategies implementation, non-economic factors of influence) beyond the overall historic context. This gives us grounds to argue that only a combinatory approach encompassing conclusions of the above mentioned system and one-level theories will enable for in-depth analysis of factors for underdevelopment in Periphery countries, to find out methods to eliminate relations of destructive dependence.

The review of theories shows that dependence is seen as a reason and a manifestation of backwardness (modernization theories), underdevelopment (dependence theories), as the reality to be taken for granted (world system theories). It cannot be, however, overlooked that the idea of dependence, based on the assumption that asymmetric mutual influence of Center countries and Periphery results from economic backwardness of the latter and dominance of the former, is confined to the subordination of Periphery countries' interests to the objective of growth in Center countries by channels of finances or workforce, **without consideration for potential influences of Periphery on Center**.

This dual categorical concept with its specifications (Wallerstein's three-level hierarchical structure "core – semi-periphery – periphery", with "semi-periphery" constituting the most dynamic chain triggering change in the period of global economy restructuring and respective transformation of the political map) laid the basis for the following interpretations of Center and Periphery of the global economy: a country could be referred to as Center when it had the dominant and active role in the global trade with foreign trade being concentrated in it, when it was large exporter and importer, and when international capital flows were streamlined from it to other countries; a country was referred to as Periphery when it had minor or passive role in the global trade. A common feature of Periphery economies was their external dependence on Center as the lender of capital, the source of a major part of imports and the consumer of goods exported by Periphery economies. While Center countries had close relations with each other, Periphery countries rarely had dyad relations as they were focused on relations with Center.

Vertical interactions resulting from asymmetric relations between Center and Periphery were revealed in peculiar patterns of labor division and trade, imbalanced exchange, exogenous political influence, which caused variations in socio-political characteristics of the countries. Another option is the so called feudal interactions, with the relations of Periphery concentrated on its Center and failure of Periphery to interact with other global economic actors, which conserved the economic pattern of Periphery, on the one hand, and adapted its economic pattern to the Center's interests, on the other (Figure 1).

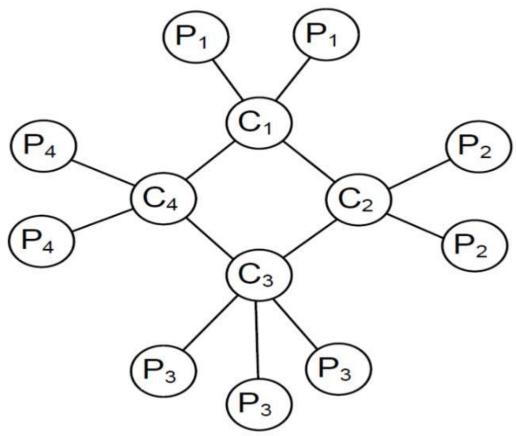

Figure 1. Dependence between Center and Periphery given the feudal pattern of interactions

Note: C – Center, P – Periphery

Source: constructed by the author

In the above context **dependence** can be regarded as a sign of structural deformation and be interpreted by us as failure to manage important components of an economic system and weak cross-sectoral dependence within it, which confirms lack of its internal dynamism that would allow for its operation as an independent and autonomous unit capable to partly eliminate the factors generating

underdevelopment. In various periods these factors could be: the existing institutional matrixes determining distribution of wealth and income, historic background for the occurrence of the international labor division, orientation of growth on dependence on interests of "modernized minority" countries, the increasing costs for introduction of local industrial technologies conforming to the consumption pattern in developed countries, which opens up the door for large transnational corporations.

Furthermore, given that the economic environment is volatile and its transformation mechanisms are subject to modifications, we can argue that structural dependence used to take form of resource-based or technological dependence, provoked by factors like economic specialization, production pattern, labor productivity, conditions of trade, patterns of capital accumulation and access to financial resources, liberalization of market, operation of the intellectual property market, innovation waves, investment in human capital etc. (Figure 2).

<table>
<tr><td>Quality of investment in human capital</td><td>Waves of innovations</td></tr>
<tr><td colspan="2">Intellectual property market (patents, licenses) as a factor widening technological gap</td></tr>
<tr><td>Liberalization of commodity and capital market</td><td>Specifics of capital accumulation and access to financial resources</td></tr>
<tr><td colspan="2">Resource capacity</td></tr>
<tr><td>Accumulation regimes in a hegemon country</td><td>Labor productivity</td></tr>
<tr><td colspan="2">Conditions of trade</td></tr>
<tr><td>Economic specialization</td><td>Production pattern</td></tr>
</table>

Figure 2. Determinants of structural dependence

Source: constructed by the author

Interpretation of economic backwardness as a consequence of historic relations resulting from expansion of a dominant country and as a reason to further exploitation of Periphery countries reveals a deterministic emphasis that is enforced by doubts about equal opportunities of the two groups of countries to benefit from the advantages of free trade. This interpretation called for implementation of the principles of economic nationalism through import substitution policy of industrialization, government interventions and planning.

By projecting dependence theories on existing approaches to interpretation of economic growth and backwardness (development-based approach, global system approach, globalization-based approach, neo-structural approach) we can see that the notion of "dependence" is addressed in each, which gives us **grounds to consider the economic dependence concept as a research problem within a broader field of international economic relations** (Figure 3)**.**

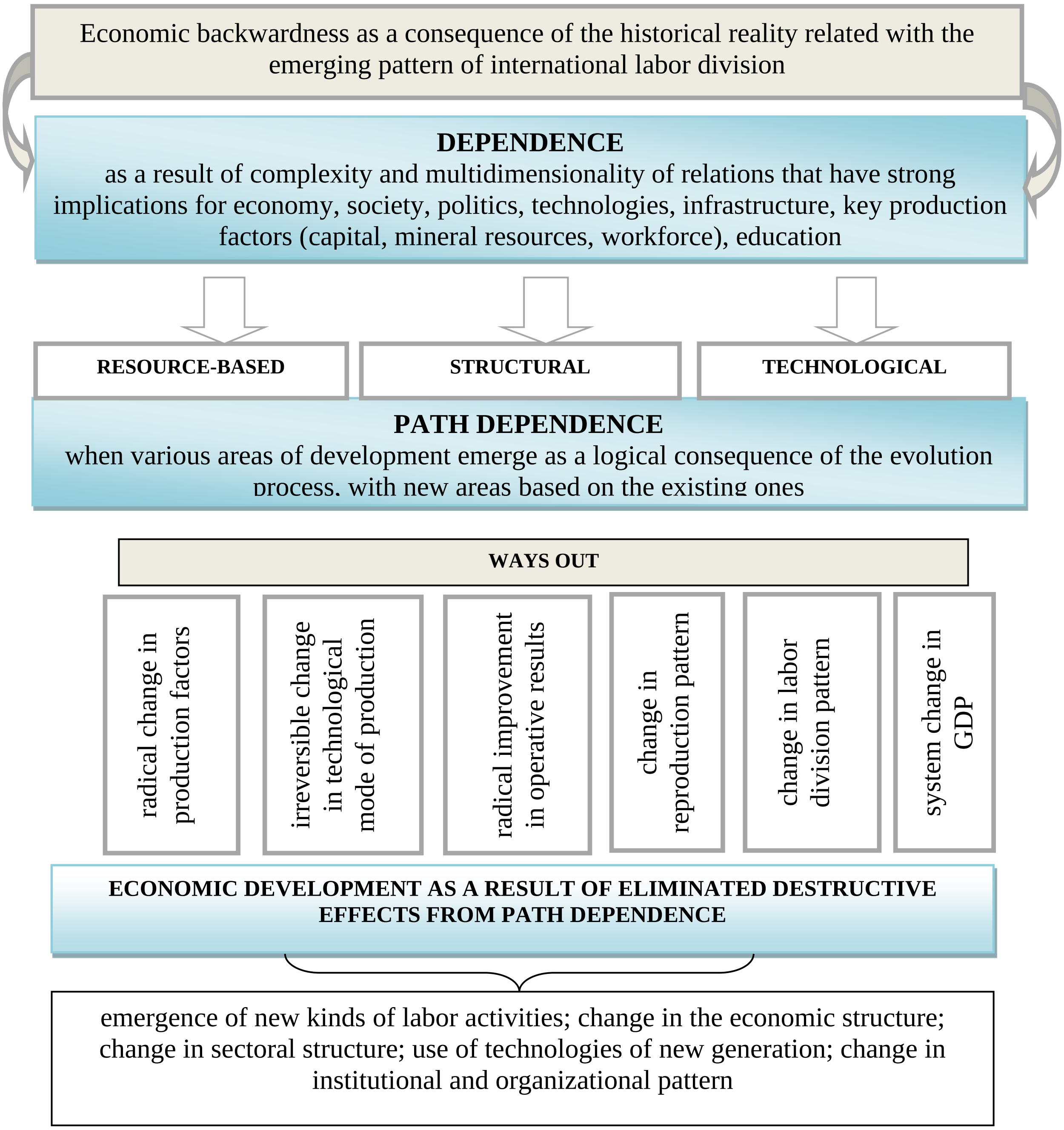

Figure 3. Economic development as a result of eliminated dependence relations

Source: constructed by the author

However, arguments brought forward by adepts of all the approaches, given the similarity of input conditions (economic backwardness of Periphery resulting from dominance of Center, economic underdevelopment resulting from skipping certain development phases of the capitalist system, inappropriate conditions for integration of Periphery countries in the global economy) and **difference in conclusions** (economic development of Periphery countries as a factor behind the failure to generate endogenous dynamic technological process; economic development of Periphery countries as a factor behind bad conditions of trade due to the existing structural and technological asymmetries and unfair international division of labor), **do not allow us to come out with a universal scientific hypothesis.**

The dependence theory born at the conjunction of two intellectual thoughts, Marxist and structuralist approaches to interpretation of economic development, can, therefore, be rather an interpretation tool or a critique methodology than a full-blown theory. The dependence theory, as a response on the neo-liberalist approach and an alternative to earlier modernization theories, was built on debates about implications of colonial systems for the international labor division, triggered, above all, by geographic determinism, forms of contemporary economic imperialism (neocolonialism), effects from free trade ideas and principles of policies based on economic nationalism as a way out from the dependence condition (Figure 4).

Control of prices on mineral and industrial goods

Commitments to buy fixed volumes of goods in companies from the former metropolis country

Agreements to sell fixed volumes of minerals to the former metropolis country to have supplies of non-competitive products with low technology capacity from it

Monopoly of the former metropolis country in transport services

Exemption of selected transnational companies from taxes

Technical/financial/consultative assistance to a recipient country is conditional on its support of business interests of a donor country

Control of capital flows to a former colony; manipulation by currency rates

Concessions of land and rights on minerals; defense agreements; financial support of friendly governments

Dependence of the national bank system in a Periphery country on the bank system in a Center country through pressures on financial decisions taken in a Periphery country

Preservation and maintenance military bases

Assistance in coups d'etat

Foreign influence on political decisions by bribes to local administrations or high rank officials belonging to ruling parties

Figure 4. Determinants of neocolonial dependence

Source: constructed by the author

The notion of “development”, in terms of either quantitative or qualitative transformations, was central in creating unions of countries, which pushed participants of global economic relations towards higher phases of integration in their cooperation and coordination policies. Accordingly, the dependence-based relations occurring in the process of co-existence and their effects were undergoing essential change. In the development concept used in Western strategies, development constitutes the ideal pattern to follow, the readily made concept for immediate adoption and use, even a prescription that enabled Western countries to recover from backwardness and achieve “well-off condition” of development. Development here is treated as the process and the ultimate goal: the process by which communities develop, and the goal to which they approach, because the ultimate goal is to be developed. In this development concept emphasizing the ultimate goal, the ultimate goal is very clearly understood. Finally, the same framework for development can be found in the evolutionist theory, where the progress and the idea of change is part of the continual process of growth.

The Ukrainian scientist N. Kravchuk is convinced that the triumph of power based on spatial expansion law acts as a guarantor for hierarchical organization of international relations and strict regulation of mutual relations within the boundaries of empires, which represents a typical example of dominance in the international system with vertical international order. This gives rise to concepts-antitheses like “Center – Periphery”, “West – East”, “North – South”. Essentially, the whole system of geopolitical relations was being built on the fundament of spatial expansion and vertical hierarchical subordination. States, empires or interstate associations were established in this way, and at geopolitical level this process meant enforcement of the spatial factor in the history of human civilization [10, p. 109].

By extrapolating “spatial asymmetry” on international relations as an essential feature of their asymmetry, N. Kravchuk determines two systems of coordinates (Figure 5). Historically, *the first one can be found in internal relations within the boundaries of empires or intestate associations*. Relations between their entities are asymmetrical, because one entity is Center (in empire states it is administrative and political unit or “pole”/“core” in geopolitical interpretation; in interstate associations it is a leader country), and the second entity is its Periphery.

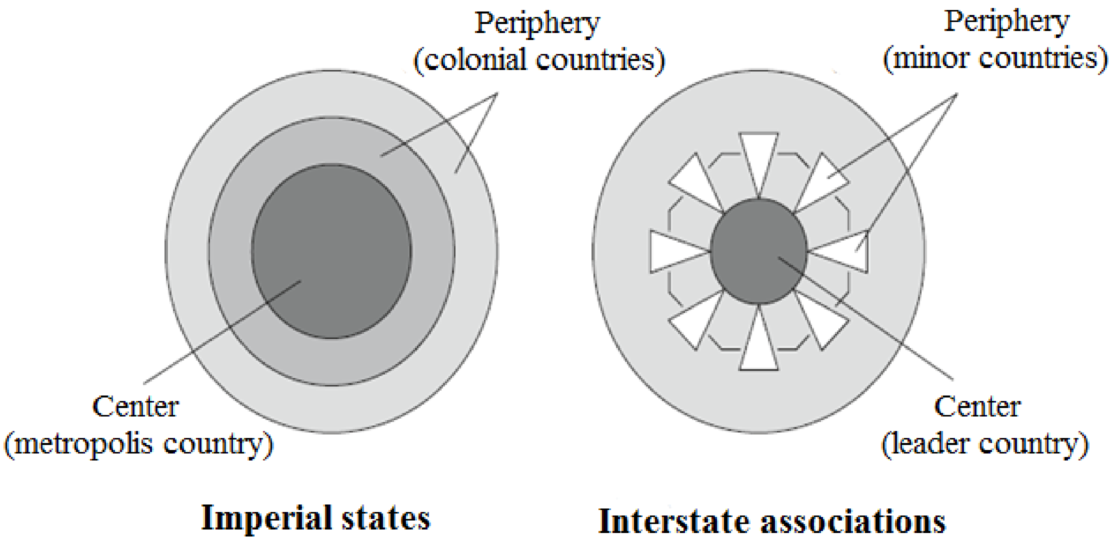

Figure 5. Vertical dimension of asymmetries in geopolitical constructs “empire state” and “interstate association” [10, p. 109]

Source: constructed by the author

Accordingly, asymmetrical relations within the system “Center – Periphery” reflect correlations between the whole and its parts. This pattern of relations calls for strict centralization and unconditional subordination of the entity’s interests (as a part of the closed system) to the interests of Center embodying the integrity of the whole system; a typical form of asymmetrical relations within the system is the situation of dominance and subordination. On the one hand, most part of resources of an entity as a part of the system need to be streamlined to meet the Center’s interest, because Center is supposed to accommodate and represent the interest of the whole and its part. On the other hand, these relations call for feedback, which may involve cooperation and mutual assistance, as empire states have to reinforce their periphery because they treat it as the foothold for further external expansion. Such dependence gave birth to lasting, even age-old dependence of peripheral zones on countries that embodied the core of empire.

Two waves of globalization signaled transition from domestic independent economic networks to the global interdependent network, which demonstrated the *lasting upward trend – from local network to regional network, followed by national network, cross-regional network and, finally, the global network.* An evidence of the changing intensity of global interactions relative to the intensity of local or national interactions is expansion of long distance trade due to the reduced costs for transportation and communications [2]. As this reduction takes form of a lasting and increasingly rapid downward trend linked to technological change, it is supposed to be the main driving force for global expansion of trade.

The main alternative hypothesis concerns the pattern of political power in the international system of political states. A broader terminological category for this approach is "stability of hegemony", although there are important differences in various approaches to interpretation of hegemony and various hypotheses on the origin of causal links between hegemony and globalization of trade. But the general idea is that the international system is something more than mere "anarchy" of political states contesting and fighting with each other. The world order is considered as a product of international competition and cooperation. Better order or more peaceful interactions occur when a single hegemonic political state has sufficient power to influence other states and international entities and to force them to something.

Dominance is sequential considering the system cycle of growth and fall of key hegemonic states. When a hegemon is falling, the system enters the period of contest between great political states, and the scale of globalization declines. Most of the authors of discourses on hegemony agree that the Netherlands had the role of hegemon in the European international system in 18 century, Britain had it in 19 century, and the U. S. had it in 20 century.

Figure 6 shows four main arguments on types of links between stability of hegemony and globalization of trade. According the first argument, which is conflict, hegemony is considered mostly in military terms. The hegemon's power depends on whether or not it can reach the whole world, and, therefore, by its capacity to build intercontinental military forces. The global trade becomes simpler, because a hegemon sets up the rules for international trade and acts as "power balancer" in the system of political states. As this role creates the relatively peaceful international system of political states, the entities can conduct cross-border trade more freely and more regularly than they could if the system was split into hostile groups. This argument based on conflict implies the sequence of upward and downward moves in globalization of trade paralleled with rise and fall of hegemons and change in the brutality of warfare between key political states.

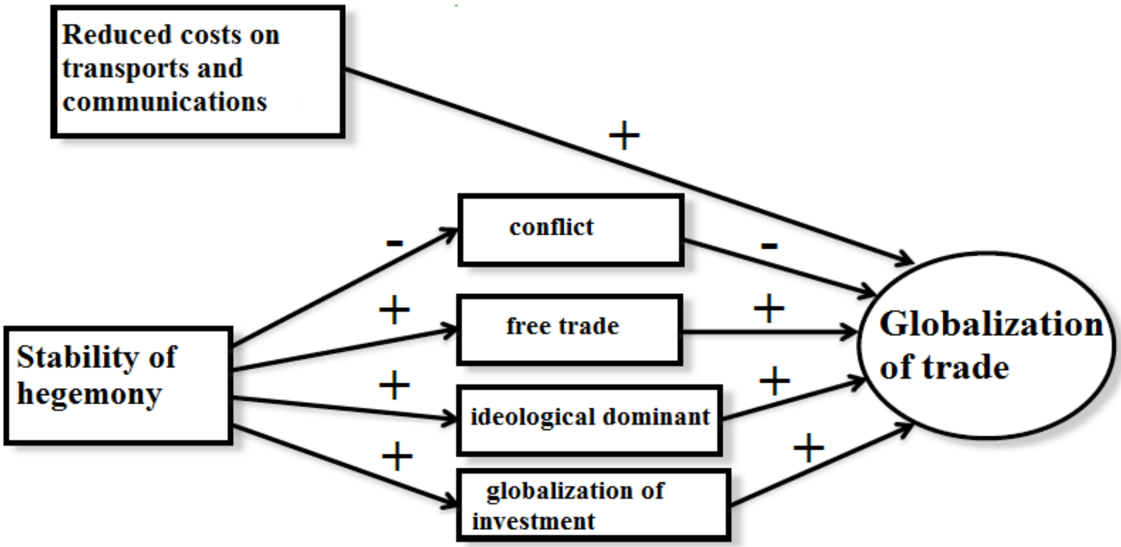

Figure 6. Determinants of global trade

Source: constructed by the author

International liberalism of the British hegemony (the first wave of globalization), the ideology of "free world" articulated in the U. S. after World War II (the second wave of globalization) and the neoliberal "Washington Consensus" (legitimizing free trade and IMF's "programs of structural change") are examples of ideological aspects of hegemony, which are considered as main reasons for the increasing trade liberalization (the third wave of globalization). The next argument that combines hegemony with liberalization of trade is associated with economic aspects of hegemony, especially the role of international capitalists coming from a hegemon state and their main ally states in encouraging international investment. Globalization of investment (the increasing scopes of international investment relative to the scopes of domestic investment) is considered as the main reason for globalization of trade [3].

Pyramidal structure of geopolitical relations, with the corresponding relations of economic interdependence, had higher dynamics enabling for potential change of the country's position in this hierarchy. Neo-dependence is a form of poly-dependence, which immanent feature is unified rules for global coexistence from the perspective of liberal philosophy in the globalization era and its institutionalization.

The existence of a single center generating the dependence-based relations, embodied in the core countries (Center), blocked parallel relations between the Periphery countries that used to be within the orbit of interests of the core countries. At the same time, gradual move towards interdependence lifts these constrains and enables Periphery countries to essentially diversify trade and financial relations. They have gradually taken form of signed bilateral investment agreements (BIA) between OECD member countries (the old member countries and the newly accessed ones) and the ones without OECD membership [4]. It is notable that the U. S. was the last one among the core countries of the global economy to sign agreements with Japan[1]. The second wave of signing BIA occurred at the end of 1980s, mainly between European countries and developing countries, and the third wave was associated with the GATT activities [7].

However, the crucial change occurred once the dependence became multi-dimensional and multi-level; apart from absence of a single center generating intentions to cooperate, it resulted from the possibility to set up a rapidly developing center on Periphery; it would gradually moving up to the rank of global actors, which we consider as a neo-dependence feature.

Appreciating the contributions from the adepts of structuralist approach in rethinking the reasons and the consequences of the growing economic interdependence of countries, and having the objective to substantiate the causality between the dependence effects and the country's prospects to achieve economic development goals, we propose to ground theoretical modeling on the I. Svennisons' conception of "healthy circle". First and foremost, we deem it necessary to distinguish between the notions of "development" and "growth", which are related, but erroneously used as

[1]While the U. S. took on to sign the first agreement with Japan only in 1980s, the U. K. signed it as early as 1970.

synonymic ones. It is known that the key parameters of growth (the increased results of economic activities; the increased public wealth; the increased production output can be a result of economic development in a country (i. e. transition from one pattern of production factors to another one; irreversible process of change in technological means of production; radical improvement in the output, transition from one reproduction pattern to another; change in labor division pattern and GDP pattern) and its cause. On the other hand, only when the recorded economic growth has the features of balanced growth[2], it will be capable to trigger change in economic pattern and cross-sectoral distribution, which will provoke change in institutional setting.

According to I. Svennison, when economic growth increases the populations' incomes, change in consumption patterns will be inevitable, which, in turn, will trigger radical change in the economic pattern of a country to open up new sources for economic growth. This system of argumentation is called "healthy circle" (Figure 7).

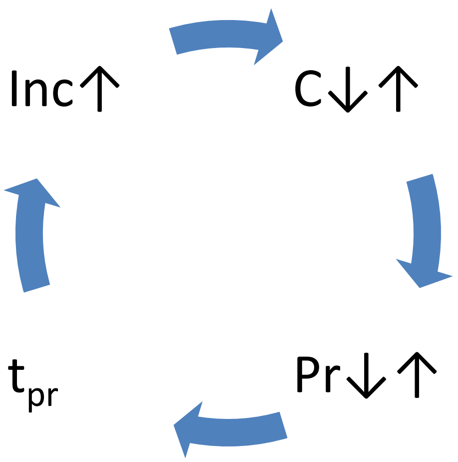

Figure 7. "Healthy circle" of I. Svennison

Source: constructed by the author

Notes:

t_{pr} – economic growth; Inc↑ – growth in incomes; C↓↑ – change in the patterm of consumption; Pr↓↑ – change in the pattern of production.

[2] The growth when operation of all the sectors is "launched" with sufficient rapidity, with orientation mostly on the internal demand, which increases the role of domestic market as the main driver of development

Growth, therefore, becomes a means for sustainable development; it enables to overcome underdevelopment as a dependence feature by triggering radical transformations in economic, social, institutional and political spheres, accompanied by building up a dynamic multi-level system of dependence-based relations (Figure 8).

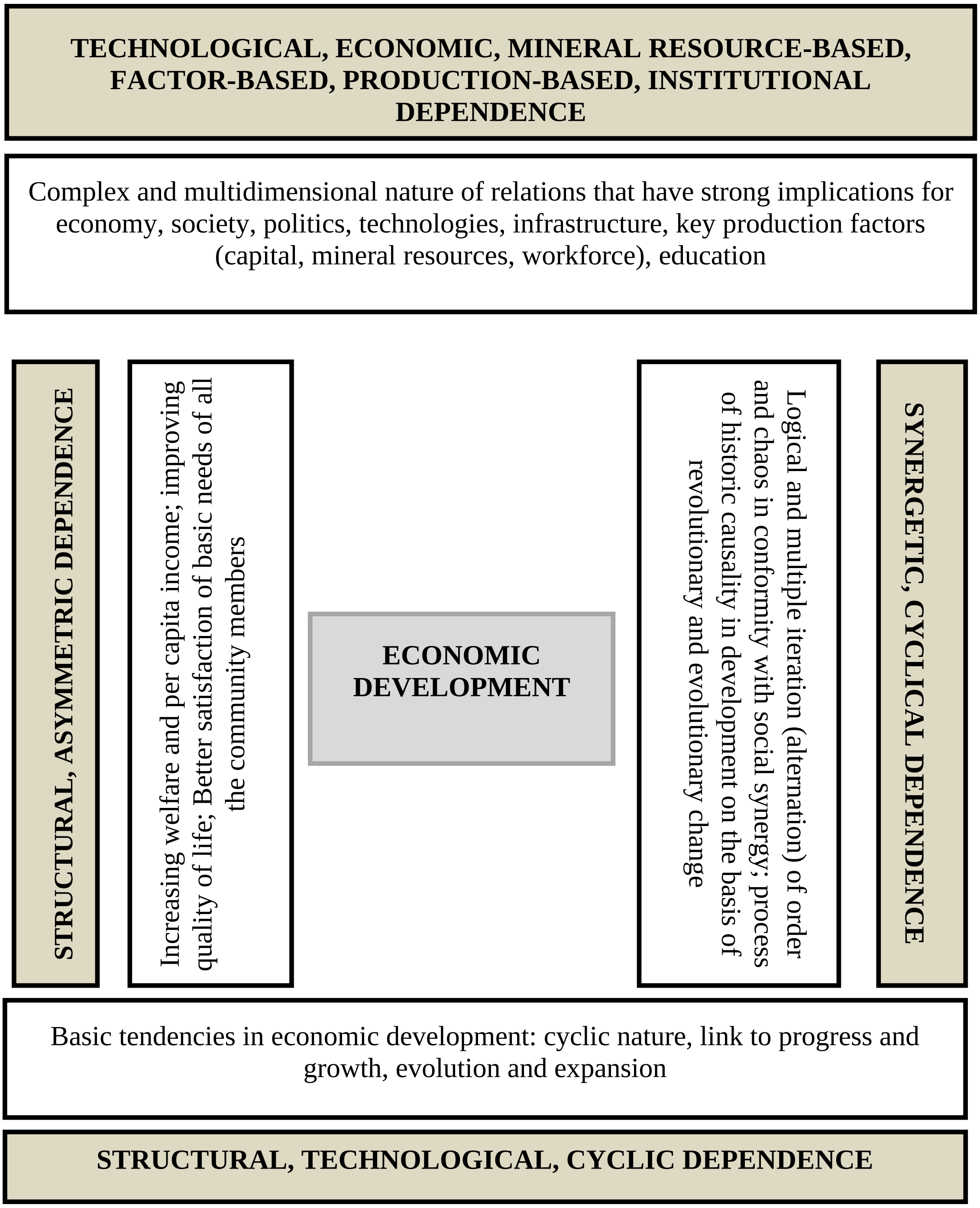

Figure 8. Economic development as a dominant of dependence-based relations

Source: constructed by the author

At the same time, gradual economic transformations, apart from dependence-based relations (with various effects of sensitivity and vulnerability for partner countries) and asymmetric interdependence, generate symmetric interdependence (in case of symmetric effects, as a consequence of both the diversified pattern of trade and the standardized rules of cooperation, which are intrinsic in market fundamentalism).

It, therefore, can be argued that in spite of various emphases in the existing interpretations of the notion of "economic development", development may trigger various forms of dependence, interdependence and re-configuration of economic development poles. Yet, use of the measures of the country's share in the global GDP or the country' geographic profile in the global trade cannot be sufficient for the awareness of the role of transformation processes in redistribution of power centers in the global economy unless it is combined with studies of the existing and potential impact of transformation processes on the occurrence of the global economic growth poles, irrespective of the hierarchical position (in the countries' hierarchy) of countries that are generators and beneficiaries of the sources of economic growth.

The phase of the so called diffusion-based globalization, dated from the end of the second globalization wave till the beginning of the third one, intensified discussions about the impact of economic openness resulting from liberalization of goods and capitals flows on economic development of countries. It created demand for rethinking of the dependence problem, but with various effects for countries encouraging the global cross-country interactions and Periphery countries. ***By adapting Svennison's "healthy circle" for dependence-based relations, we can interpret the latter as the progressing ones*** when they result in economic restructuring in Periphery countries due to expansion of their foreign trade and radical change in the internal consumer demand, with generated demand for technological and financial cooperation with consideration to differences in potentials and strategic objectives of development in partner countries.

For us it is the way to emphasize opportunities opening up for countries where governments will have political will to implement strategic objectives of socio-economic development, even by taking unpopular tactical decisions (administrative regulation, fiscal and investment (innovation-driven) policy, budget redistribution, import substitution policy). The quality of established cross-country relations is, therefore, emphasized: dependence-based relations capable to trigger economic restructuring in a Periphery country by intensive use of its resources, human and innovation capacities transform into its interdependence-based relations with a Center country (see Figure 9).

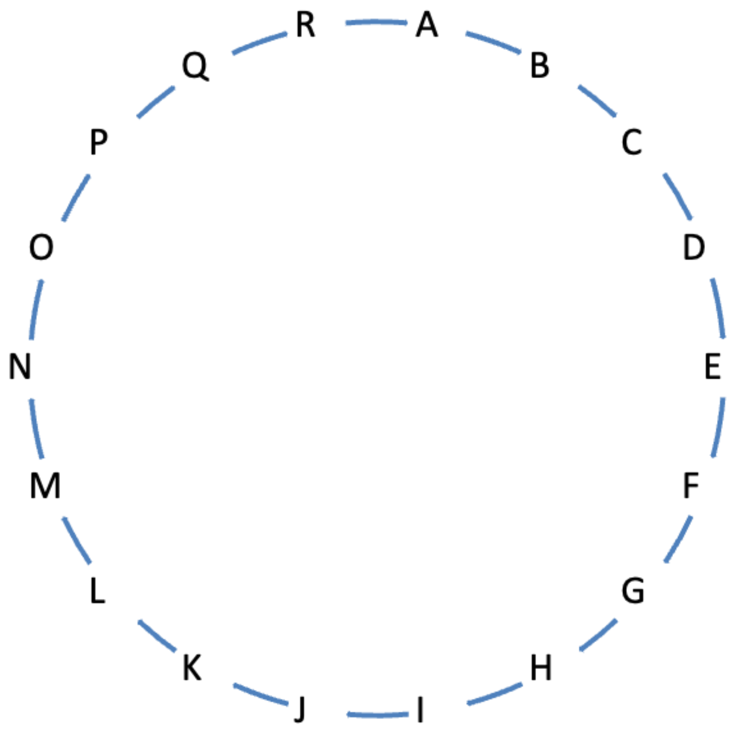

Figure 9. Harmonic circle of the progressing interdependence

Source: constructed by the author

Notes: A (institutional dependence) → B (liberalization of global trade) → C (competition as a determinant of dependence-based relations) → D (market-based interdependence) → E (trade-based interdependence) → F (structural dependence) → G (implementation of import substitutions policy) → H (creation of new jobs) → I (growth in the population incomes and economic activity) → J (growth in the domestic market capacity) → K (technological cooperation) → L (investment cooperation) → M (increasing number of implemented social and infrastructure projects) → N (economic restructuring) → O (growth in the national product) → P (growth in the economy of scale) → Q (sustainable growth) → R (economic development).

However, at the phase of global trade liberalization and institutionalization of its regulatory framework, which complicates (or makes impossible) use of protectionist measures by governments of Periphery countries because of the unified conditions for accession to the global market of goods/services and due to structural, financial and technological asymmetries in the capacities of countries setting up relations of cooperation, disregard for strategic priorities of economic development in favor of short-term advantages can shrink the country's opportunities to have larger benefits from the international labor division. Cross-country relations of the colonial phase caused the mineral-based specialization of Periphery countries, aggravating their factor-based dependence.

As a consequence, the extensive growth in Periphery countries entailed low labor productivity and overexploitation of resources, technological and innovation dependence, and trade patterns not diversified by export category and export destination. Sectoral disproportions cemented structural dependence and provoked demand for external financial and investment resources. Amidst the abovementioned, poor investment in physical and human capital, as a sign of distorted growth, hampered the balanced development (technological, institutional, social development in parallel with the growing economy of scale) (Figure 10, Figure 11).

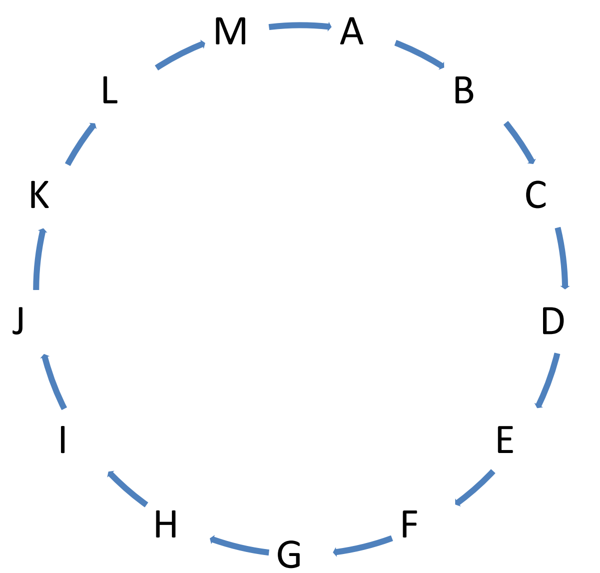

Figure 10. Erroneous circle of destructive dependence

Source: constructed by the author

Notes:

A (colonial dependence) → B (mineral-based specialization) → C (factor-based dependence) → D (extensive growth) → E (low labor productivity, exhausted resources) → F (technological and innovation-based dependence) → G (trade structure not diversified by export sector and export destination) → H (trade-based dependence) → I (ineffective sectoral structure of economy) → J (financial dependence) → K (investment dependence) → L (imbalanced growth or distorted[3] growth) → M (imbalanced development)

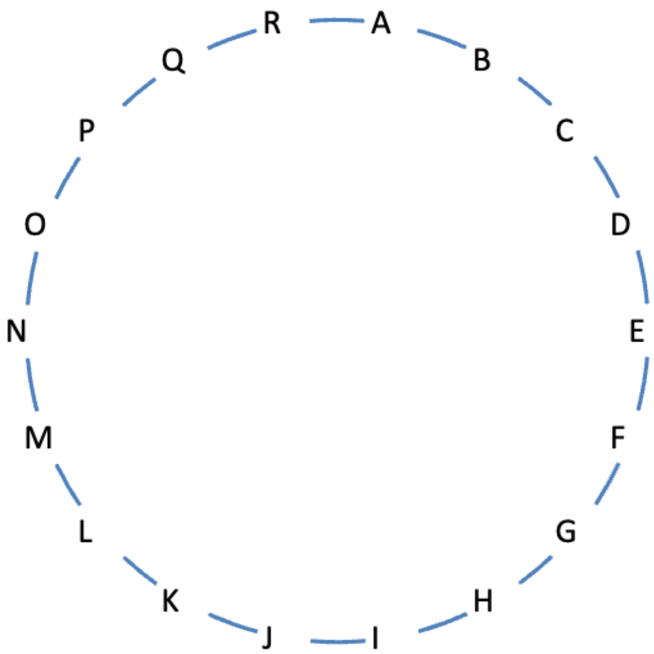

Figure 11. Erroneous circle of destructive interdependence

Source: constructed by the author

Notes:

A (institutional dependence) → B (liberalization of global trade) → C (competition as a determinant of dependence-based relations) → D (market-based interdependence) → E (trade-based interdependence) → F (structural dependence) → G (implementation of import substitution policy) → H (low factor productivity) → I

[3] Growth amidst the aggravated environmental performance, poor investment in physical and human capital.

(technological dependence) → J (investment-based dependence) → K (sectoral asymmetries) → L (financial dependence) → M (debt bondage) → N (shrinking social and infrastructure projects) → O (falling population incomes and economic activity) → P (reduced national income) → Q (shrinking economy of scale) → R (unsustainable growth)[44].

The abovementioned enables us to formulate the synergetic concept of neo-dependence, where neo-dependence is interpreted from the perspective of poly-variant cross-country interdependence. Being interpreted in this way, neo-dependence tends to strengthen due to diversified forms of the increasing economic openness; it is based on non-linear endogenous change and processes enforced by exogenous factors; it involves mutual impact of Center and Periphery countries, described in sensitivity and vulnerability terms and hampering convergence or unification of its forms; it allows for various complementary configurations of coordination of national economic policies, with the subsequent hybrid options.

We define seven principles of synergetics, of which two pertaining to existence (homeostasis, hierarchy) and five to principles of formation (non-linearity, instability, open condition, dynamic hierarchy, observability). At the same time, a peculiarity of our approach to the choice of principles of synergetic paradigm is that they are chosen in a way to constitute an integrated system (Figure 12). Synergetics is seen by scientists as a general theory of self-organization in systems with various origin. Integrating elements in synergetics are objects of study, which are complex non-linear systems with reversed links. The need for synergetic studies is proved by the fact that cooperation of many subsystems within a system is based on the same principles irrespective of the subsystems' origin. Once the principles are learnt, the problem of rational system's management can be rethought. From synergetic perspective, management of a system, including the financial one, by "imposing" on it organizational forms that are extrinsic to it cannot be accepted. When a system is learnt,

[4] A type of growth when the phase of relatively rapid growth is followed by the phase of slack or even negative growth.

the managerial influence does not need to be increased, but needs to be coordinated with the tendencies implicit in the system. I. e. synergetics implies that instead of "imposing" development patterns on complex systems one should understand how their implicit development tendencies could be encouraged.

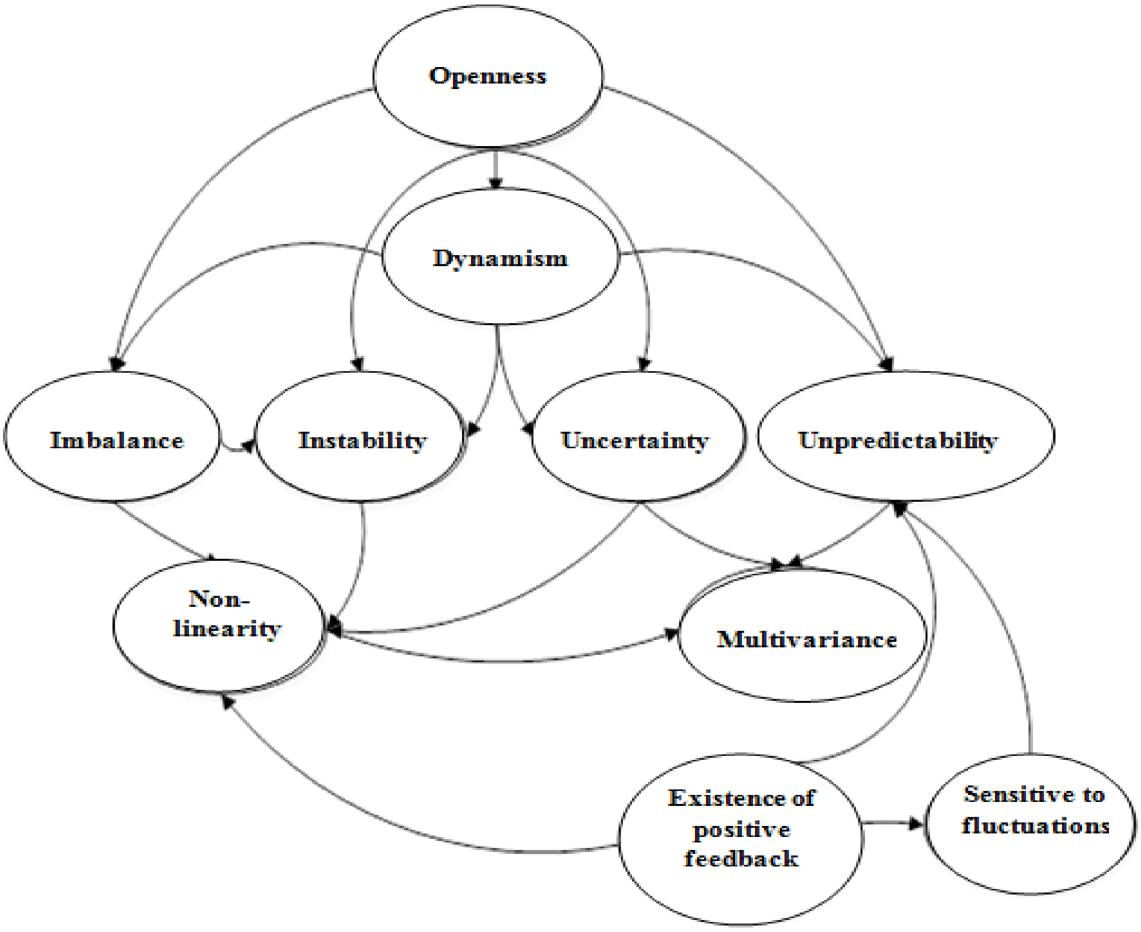

Figure 12. The causality of principles of synergetic approach to dependence: cognitive map

Source: constructed by the author

Methodology of synergetic paradigm of dependence implies the view of globalization as the process of rapid formation of the single global financial and economic area on the basis of advanced information technologies and coordination of regulatory principles, creation of flexible labor, commodity and capital markets, which calls for relations based on neo-dependence. Synergetic approach to economic neo-dependence recognizes instability of interrelations as a fundamental feature of various patterns of cross-country interactions, and rejects negative view of entropic (disordered) character of a system as merely destructive one.

Given the classical relations of dependence, economic development as an imperative for cross-country associations could occur in Periphery countries once they were in the orbit of Centre countries' interests; if it occurred, it was unsteady and unsustainable. In other words, development of Periphery embodied the dependence-based relations, whereas development of core economies was a sign of dominance. Relations of economic interdependence were changing with the increasing capacities of Periphery to find internal sources of development, although the impact of exogenous factors continued to prevail. Neo-dependence demonstrated a novel phenomenon, when the development of core countries became dependent on the development of most powerful countries in Periphery joining global value chains under the pressure of internationalization processes. Moreover, the development of Periphery and Center alike became dependent on G7 business cycle and exposed to global imbalances in savings and investments, generated by countries in both groups [6].

In case of the dominating relations based on economic dependence, economic losses from the suspended interrelations between Periphery countries and Center countries had the explicitly asymmetric character, which but widened the gap between these countries, whereas in case of the established economic interdependence, the blurred asymmetric character of the interactions could be explained in sensibility and vulnerability terms.

Neo-dependence tends to minimize destructive effects from suspended cross-country relations due to the existing ramified networks of replaceable trade partners.

Also, quite low measures of economic interdependence for Center countries and for powerful countries of Periphery give evidence of the decreasing asymmetric dependence of the latter on the former, which is interpreted by us as a sign of neo-dependence. This phenomenon is a result of economic integration processes, which are a novel form of cross-country relations, because economic integration embeds elements of true economic federalism in cross-country relations. It is interesting that according to the majority of foreign lawyers, limitations put on the country's sovereignty is an implicit sign of any kind of economic integration, although it would be more correct to refer it to as voluntary limitation of jurisdiction by the government. Although the political sovereignty of a country is not limited from legal point of view, it can disappear when an integrative association is approximate to the federative form of political structure. The logic of economic integration, therefore, implies principles of economic neo-dependence with emphasis on economic federalism; according to the latter, a single market has to be created through comprehensive harmonization of all the production and distribution factors. This harmonization can occur once countries agree to hand over the legal jurisdiction, that is, to limit the sovereignty in favor of greater jurisdiction of economic integration bodies.

In time of the third globalization wave, the most common cooperation forms were cooperation in economic policy, political cooperation and integrative cooperation, which transformed essentially the role of national governments. The integrative cooperation offered a new format for cross-country interactions, built on the principles that are distinct from the earlier ones: from the subordination principle implying clear hierarchy and deep asymmetry of dependence-based relations to the multi-dependence principle implying the move towards symmetry given the established standard rules for cooperation, which would gradually eliminate Center – Periphery fragmentation of the global economy.

According to a common opinion of globalists, globalization devalues previous ideas about regulatory role of the law and sets new “rules of the game” along with the weakening political capacities of countries. Countries willing to fit into the new global system have to follow the economic rules based on recommendations of “Washington Consensus”, “Post-Washington Consensus” and the rules of “golden corset” with its openness, deregulation, privatization of national economies, limitations on political sovereignty. Regulatory institutes will be IMF, World Bank, World Trade Organization and others. This approach has had strong effects for the current system of international economic relations, as it made sovereign countries more or less dependent on “economically stronger” sovereign countries and supranational economic organizations controlled by them.

It was as early as in 70–80s of the past century that Ukrainian scientists rightly emphasized that economic independence was supposed to be the material basis and support for the country's political sovereignty. Yet, the prime importance of the country's economic independence for its political independence does not mean that the sovereignty of countries with poor economic development does not exist because of their dependence on the largest capitalist countries [5]. Being true per se, these theses become even more important in view of the increasing economic interdependence of countries and the growing integrative processes. Although the political sovereignty of a country and its economic independency are closely related, they are not equal or convertible categories, and issues of political sovereignty cannot, therefore, be replaced by ones of economic independence and vice versa.

The political state as a political system institute in time of the third globalization wave comes under pressure of internationalization processes, on the one hand, and under pressure of integrative associations becoming a new instrument of political power, on the other hand. Integrative associations have been transforming into a means of comparisons and coexistence of interests at the global level of international economic relations by acquiring specific features in view of start-up conditions and intentions of the associated countries (Figure 13). Institutional and legal relations between integrative associations lay the ground for building up a new balance of forces in a new global system of international economic relations, which is the global one.

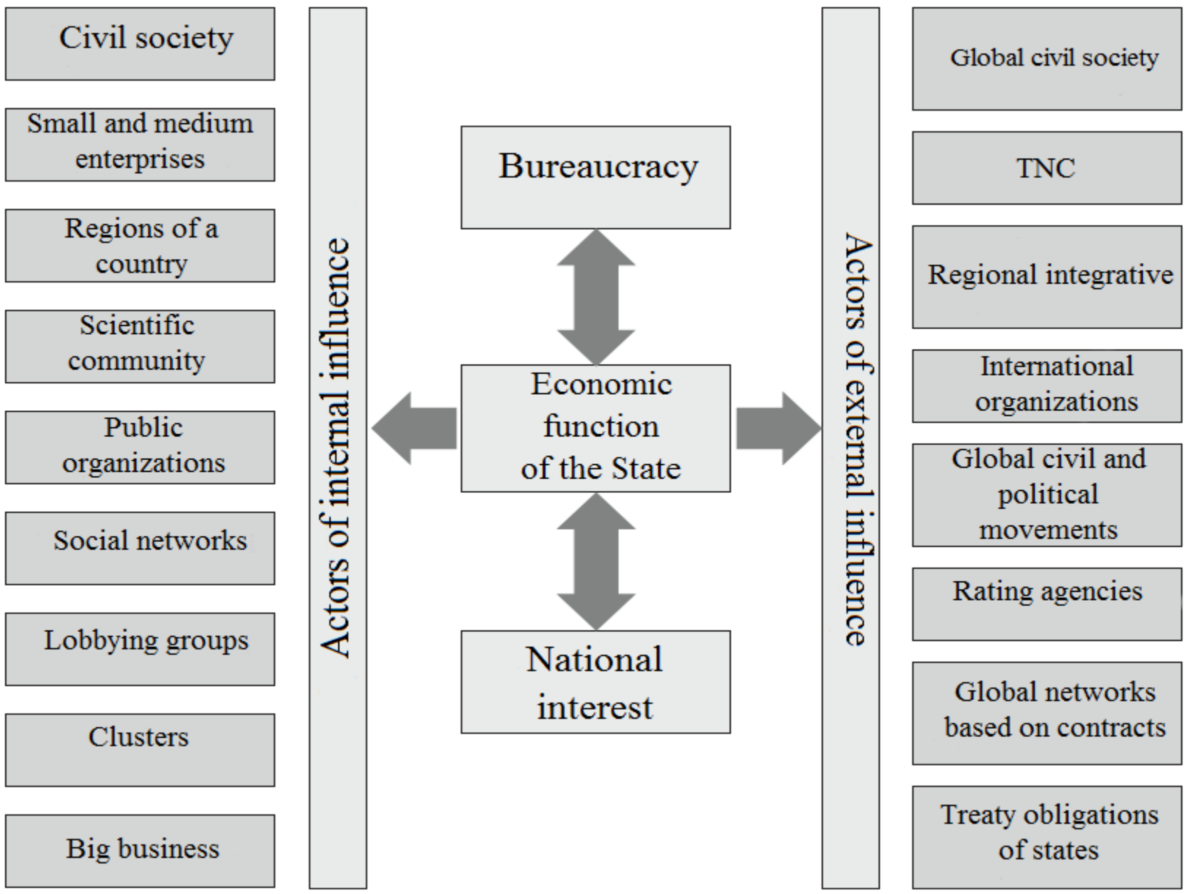

Figure 13. External and internal actors having impact on economic functions of national governments

Source: constructed by the author

The Tinbergen – Pinder conception clearly demonstrates the transformative nature of integrative interactions in terms of the so called positive and negative integration. The negative integration refers to a set of actions aiming to lift cross-country barriers in implementing the principle of "four freedoms"; it is associated with building up the system of interrelated markets, creating the single market economic area in a group of countries participating in integration. The positive integration is interpreted as actions aiming to converge economic and social policies of the integrating countries, to harmonize their political power institutes, which often entails building of supranational power bodies. Therefore, the phase of positive integration involves essential correction of the quality of cross-country dependence from interactions per se to interdependence. Regional integration is interpreted as the location of a range of forms for countries' integration. Thus, in the range of V. Dobson, integration is the strongest form of cross-country interactions, which involves the common policy for all the participating countries (Figure 14).

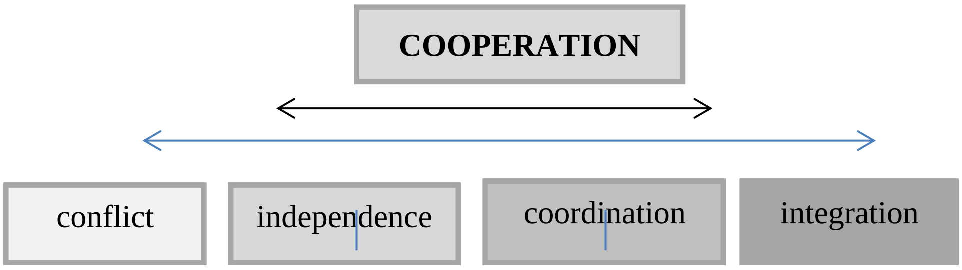

Figure 14. Dobson's range
"policy – conflict – independence – integration"

Source: constructed by the author

Yet, we believe that neo-dependence demonstrates extension of the Dobson's range on at least two other phases, federalization and disintegration. Although this interpretation of the integration phenomenon shows the way it locates relative to the other forms of interactions, it does not always explain the ways cooperation transforms into integration. Integration here is set against conflict, and independence has the central position. However, interpretation of conflict and integration as equal options of interactions, opposite to segregation, would be controversial. The low level of the integration goal is an indication of positive integration with setting up a common policy. When commenting this break down of integration into the two abovementioned sub-types, we deem it necessary to note that negative integration is unlikely to occur without a minimal set of positive factors. We, therefore, propose to interpret it as a variable combination of the two dimensions. Integration per se is a continual process with variable characteristics. Integration used to be seen only from the perspective of "form" and "process", but it should be born in mind that integration processes involved significant qualitative phases, controversial points, boosts or crises, which tended to be overlooked in analyses based on the logic of phase determinism. We, therefore, believe that stagnation and disintegration phases need to be included in **scientific discourse**

and be interpreted as the final phases of the integration process.

Issues of economic integration have been out of focus in scientific literature. Its critical review allows us to give a typology of disintegration models, based on the two parameters: "top-down" and "bottom-up" processes, and their relative roles in disintegration and the rapidity of its process. The economic area integrated from "top-down" and "bottom-up" is going to be taken by us as the starting point of disintegration processes: when only one disintegration channel can be found in a relatively highly performing region, the processes will have simpler character.

A distinctive feature of the conflict-based disintegration is combination of centripetal forces mainly at cross-country interactions level, with too high rapidity of disruption. The initiative for disintegration comes from the political system, whereas the economy is forced to adjust to the ongoing disintegration processes. The disintegration path looks as follows: the increasing contradictions between countries eventually trigger the chain of political conflicts (the model, therefore, is referred to as conflict one), with subsequent liquidation of formal integration structures; national elites adopt strict protectionist measures to force private entities to reorganize spatial patterns of their operation, with the subsequent fragmentation of markets.

Three driving forces of conflict-based disintegration can be referred to:

(i) the awakening "sleeping institutes" in the conditions of enforced integration;

(ii) the changing preferences of actors under the pressure of integration process per se, i. e. the self-destructing integration, and

(iii) manifestation of force-majeure factors that could not be predicted earlier.

As regards "sleeping institutes", a conflict leading to disintegration has the following logic. Assume that an integration group was created not so much as a voluntary union of countries, as under the pressure of a hegemon country, i. e. by asymmetry of the power capacities. Instruments for control were chosen by a hegemon in a way to imitate operation of a standard integration structure, which might be done in view of ideological considerations etc. Destruction of an integration structure can be regarded as an inevitable consequence of the lost hegemon's leadership in the structure: imitational voluntariness will be immediately contextualized and used by countries for quitting an integration project. Very often this logic occurs in non-democratic political regimes under the impact of democratization, which limits the hegemon's capacities to control the integration area.

The following types of integrative manifestation of neo-dependence can be outlined:

1) emergence of deeper and more comprehensive forms of classical phases of international economic integration (deeper and more comprehensive free trade zones; deeper and more comprehensive custom unions);

2) expansion of sectoral (industrial) economic unions of countries in the conditions of globalization;

3) establishment of innovation, energy, fiscal and bank unions; expansion of monetary unions; new processes at the global insurance market;

4) interregional integrative processes of our time;

5) establishment of mega-regional trade alliances;

6) integrative trade mega-structures.

We propose to distinguish between four forms of interdependence of countries in the process of their integrative interactions: structural interdependence; interdependence of economic and political objectives; interdependence of exogenous variables; political interdependence. In fact, apart from unifying and homogenizing the global economic area by novel factors of economic growth, globalization enriches and diversifies the models and types of economic development by restructuring national economies. The globalization process does not "abrogate" the political state, it makes it more complicated and differentiated, gives new essential meaning to its functions and "incorporates" national economies into much more complex structure of the planetary level.

The political state is the "container" and "regulator" of business segments of TNC. Political borders, therefore, determine two key points for TNC: conditions for penetration into domestic markets and access to domestic resources; rules for operation at domestic markets. We can refer to certain ***territorial asymmetry*** between the limited political borders of a country and absence of these limits for TNC.

It is, however, should be mentioned that TNC can make use of domestic regulations of host countries in a dual way. TNC can either use the so called regulatory “loopholes” in a host country, or it can use legal, political and economic differences of countries, thus gaining the competitive advantage. The concept of the so called ***“regulatory arbitrage”*** refers to TNCs’ opportunities to push up competition between countries through investing in them (with proposition of better conditions).

A telling trend of the last decades is expansion of the so called *“competition for allocation”* (or *“competitive auction”*), to attract TNC investment. No matter how many countries are involved in it, one or several, it always implies competition for investment location (*threats to close a daughter company are often used by TNC when it is forced to leave a location)*. TNCs, therefore, can push up competition between countries to have higher profit rate on their investment. This phenomenon entails deep economic restructuring not only in host countries, but in Center countries as well, where it takes form of deindustrialization process. We interpret these transformations as a new form of neo-dependence, because according to theoretical framework of classical dependence theories production pattern in Periphery countries is focused on the needs of Center countries, and it can refocus on the domestic market needs (as a result of import substitution policy) only at the phase of interdependence-based relations immanent in the second wave of globalizations.

Radical transformations occurred in labor division and capital flows. The first globalization wave featured strict vertical interactions. They resulted from asymmetric relations between Center and Periphery and triggered change in labor division and trade patterns, unequal exchange, exogenous political influence, thus differentiating the socio-economic parameters of countries. This first globalization wave and the beginning of the second wave involved interaction options showing that relations of Periphery were focused on its Center and that Periphery was incapable to interact with other international actors: interactions of Center and Periphery were explicitly vertical; interactions of Peripheries were none; multilateral interactions of all the three actors were none; interactions of Periphery with the external world were monopolized by Center, with two possible options (interactions of Periphery with other Center countries are none; interactions of Center or Periphery with Periphery countries belonging to other Center countries are none). However, later half of the second globalization wave and the third globalization wave marked deep change in interaction options. It was partly a result of the alternated waves of protection and liberalism, when in time of protection waves countries could accumulate resources to pursue development strategies, and in time of liberalism waves countries were undertaking massive expansions on external markets; and partly a result of the deepening integrative forms of cooperation in which countries of Center and Periphery were engaged.

The retrospective analysis of disproportions in "Center – Periphery" coordinates, therefore, allows us to outline several phases and highlight peculiar features of the established interrelations.

At the first phase (1850–1914) the global economy featured de-homogenization with diametrically opposite development paths of North and South. In the countries of North (the U. S. and Western Europe) there was industrialization pushed by technological innovation. It entailed rapid urbanization and economic growth, rise of industrial agglomerations – territories with concentrated production capacities. In the meantime, the economies of South which did not have access to technological innovation disposed by West, lost competitiveness, declined development rates and de-industrialized (especially India and China).

The second wave of the first "jump" of globalization (end of World War II – 1960s) marked the increasingly rapid integration processes. Its specific feature was the continually reducing transport costs and innovation in transport sector (use of containers), which reduced barriers for international flows of goods and services, especially in trade of ideas. Differentiated salaries in developing countries given the reduced transport costs caused spatial differentiation of production. The increased international mobility of R&D and technologies was another factor changing the global economic map: countries of South (countries of Southern Asia in particular) got access to innovation that had been previously a monopoly of developed countries. It happened when services became the dominant sector in the North countries' economies and the industry shares were shrinking. Countries of South, instead, were increasing industrial outputs along with boosting industrialization and urbanization. The accelerating economic growth in some of the developing countries was parallel with the convergence of incomes at the global scale. In the beginning of 1960s developing countries took steps to up-grade their status in international economic relations, but their effects were low and fragmented: enlarged scopes of official aid for developing countries; easier access to export markets of developed countries, mainly to mineral ones; recognized rights of developing countries to protect their domestic industries and selected commodity positions by tariff barriers and quotas; other measures to improve trade conditions.

The thirds phase (1990s) marked turn in the global industrialization trend. While the industrial output in G7 countries that used to be drivers of the global industry was gradually shrinking, in developing countries like China, Korea, India, Indonesia, Thailand, Turkey or Poland it was growing. G7 countries lost 24% of the share in the global industrial output from 1970 to 2010: it fell from 71% to 46%, of which 18% was lost since the beginning of 1990.

The fourth phase (after the global crisis of 2008) marked the beginning of a new phase in the development of North – South relations. The crisis of 2008 aggravated the erosion of economic dominance of West and raised the importance of strengthening the government's role in the economy. While the latter is a subject of hot debate among economists, the former is an irrefutable fact. The access to international area and the strengthening international positions of developing countries, in particular China, Brazil, South African Republic, is a challenge for the existing system of global control. Socio-economic development of these countries is of dichotomy origin: high rates of GDP growth and the increasing exports, on the other hand, low per capita GDP, low level of literacy and poverty, on the other hand. The latter causes failures of emerging markets to take on the prominent role in facing the challenges of the global economy, the so called ***"global commons"***. The following barriers still exist on the way to more extensive cooperation between North and South in the framework of global economic management institutions and consolidation of the developing countries' role on the international arena: (i) the asymmetry in resources and capacities of industrialized

Western democracies and emerging economies; (ii) the global financial system, like the trade system, is still under Western countries' control; (iii) the increasing role of developing countries in the global economy along with low measures of quality of socio-economic development; (iv) uncertainties regarding further trajectories of the global economy and its regions.

Dynamics of relations between Center and Periphery has been traditionally referred to as a form of ***"one-way dependence"***, as cyclic fluctuations and growth in Periphery countries are largely conditional on the economic activity of Center. According to R. Findley's standard model "North – South", North has stronger economic impact on South because of ***the structural dependence*** of South on capital goods, finances, technologies and export markets of North. The reason behind ***the asymmetric interactions*** between these two groups is that Periphery consists of poor developing countries specializing on production and exports of a narrow range of mineral goods, whereas Center consists of many industrially developed countries specializing on production and exports of finished goods.

According to this traditional approach, ***Periphery's growth depends on the Center's demand*** for Periphery's exports that are used as input resources in the production sector of Center. External effects of growth in these groups are transmitted mostly by fluctuations in the conditions of trade. However, the abovementioned structural change explicitly shows that ***the traditional approach to the asymmetric interactions Center – Periphery is no longer relevant*** (Table 1).

Table 1

Comparative analysis of the traditional approach and neo-approach to interpretation of economic dependency forms

Economic dependence forms by ***traditional approach of asymmetric interactions "Center – Periphery"***	Economic dependence forms by ***approach of reciprocal interactions "Center – Periphery"***
"One-way" dependence triggered by cyclic fluctuations and growth in Periphery countries, originated by large from economic activity in Center.	Due to weakening structural asymmetries in "Center – Periphery", their interactions have been transformed into ***interdependence***, in view of the increasing economic significance of rapidly developing Periphery countries for the dynamics of global economy.
Center has stronger economic impact on Periphery through ***structural dependence*** of Periphery on capital goods, finances, technology, and export markets of Center.	The emerging market economies began to export capital to industrially developed countries in the first decade of 21 century, mainly in form of accumulated currency reserves, invested in the latter's bonds. At the same time, such "upstream flows of capital" did not have large negative effects for growth of developing economies, which shows that lack of investment was not the main barrier for their growth.
Asymmetric interactions, originating from poorness of developing country in Periphery and their narrow specialization on production and exports of mineral resources, whereas Center is composed of many industrially developed countries specialized in manufacturing and exports of finished products.	Some of the developing countries could accumulate significant foreign currency reserves, attract and absorb loans from international financial markets, allowing them to accumulate heavy flows of direct foreign investment in parallel with investing part of their assets abroad.
Growth in Periphery ***depends on the Center's demand*** for Periphery's exports used as inputs in the Center's industry.	Gradually increasing share of internal demand in the total demand as a determinant of growth in Periphery.

Source: composed by the author

The global economy has undergone several structural changes in the globalization period, with the nature of interactions between North and South transformed from one-way dependence to multidimensional interdependence. The increasing economic weight of South countries that are rapidly developing means that this group should have a more significant contribution in the growth rate of the global economy.

Also, the group of South countries that are rapidly developing has already have impact on the dynamics of demand and supply at global commodity markets. China, India and other rapidly developing countries of South have become final consumers of minerals, foods and energy, and their demand did have impact on the dynamics of global prices on minerals in time of globalization. Rapid diversification of exports and industrial production in rapidly developing countries of South has far-reaching consequences. This is an evidence of change in the traditional pattern of international labor division. Trade of rapidly developing countries of South with North countries has changed from trade in minerals for intra-sectoral trade, with goods imported from rapidly developing countries of South used as intermediate products by North countries. As a consequence, economic external effects between North and rapidly developing countries of South have become more interdependent. Also, there has been parallel increase in trade flows between rapidly developing countries of South, which causes stronger intra-group external effects.

Change in the scope and structure of financial flows has impact on the nature of financial interactions between North countries and rapidly developing South countries. By the traditional approach, the accumulation of North’s financial flows by South is evidence to the prevalence of debt flows, official sources of lending, sensibility of these flows to interest rates in the economies of North before the diffusion period of globalization. Due to the rapidly growing portfolio investment flows, fluctuations at the financial markets in North countries and in rapidly developing countries of South have become more interdependent, because the financial flows have become sensible not only to risks and profitability of a recipient economy, but to the macroeconomic environment in North countries. As a result, the change occurring in the globalization period means that interactions of North and rapidly developing countries of South have taken more diversified forms, with the relations between the two groups of countries being more symmetric and interdependent than the relations of North and developing countries of South.

Channels of macroeconomic interdependence of countries with OECD and without OECD membership used to be defined by analyzing the impact of international trade through variations in the external demand, internal interest rates and conditions of trade, but later the emphasis was made on finding the determinants of capital flows resulting from financial liberalization in many developing countries. Bearing in mind that trade and capital flows lay the basis for development of international relations, speculative currency attacks in 1990s raised concern about imbalances of capital (between real and monetary balance, short-term loans and official reserves), currency discrepancies in private and public balance accounts. At the beginning of the Asian financial crisis and the crisis in Latin America, the role of public “balance account” grew in the conditions of currency discrepancies to active and lending capital as an important channel for transmission of macroeconomic shocks. This channel of capital complements traditional channels of short-term macroeconomic interdependences, trade and financial channels (Figure 15).

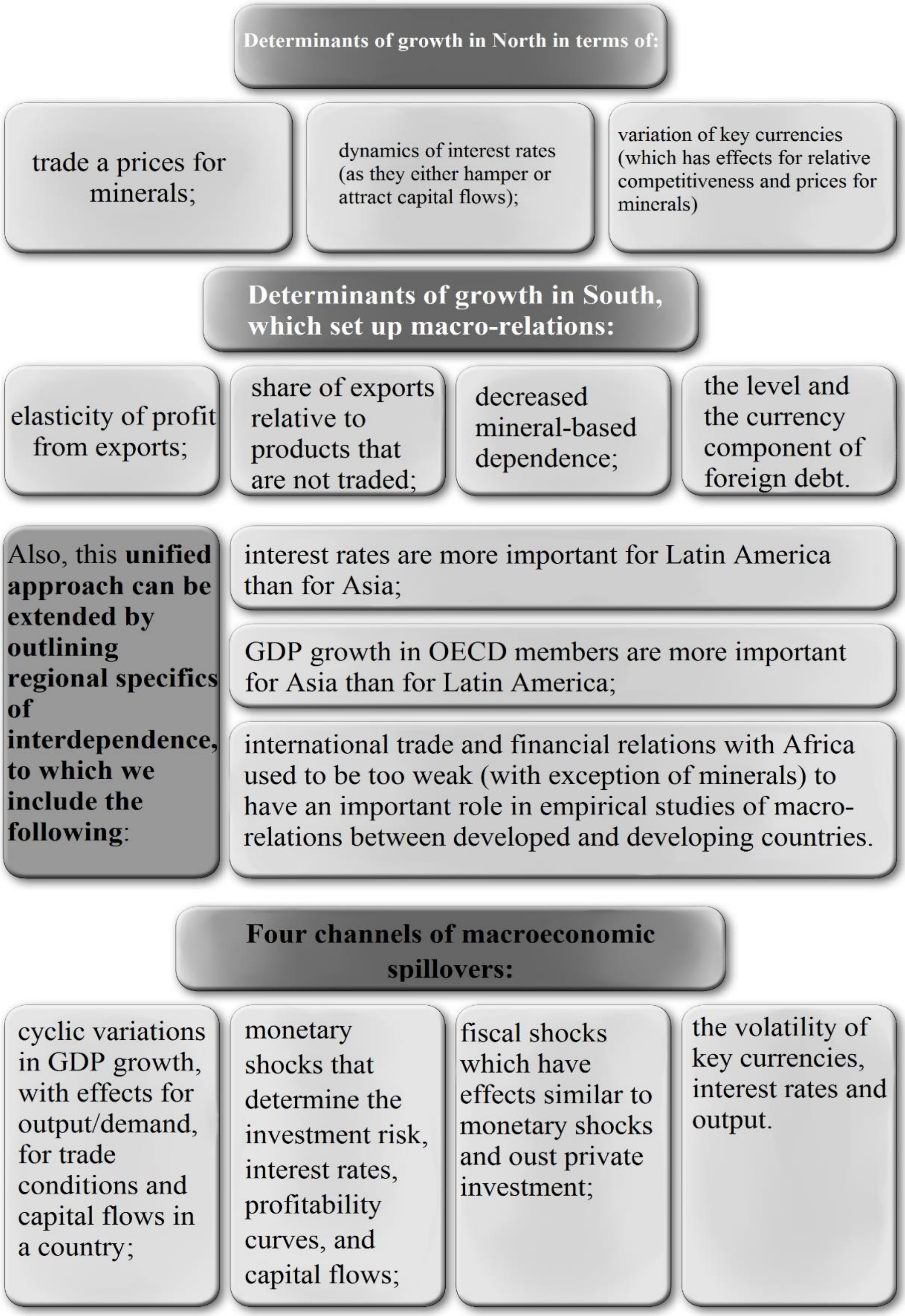

Figure 15. Macroeconomic interdependence in terms of growth in South and North

Source: constructed by the author

By making reference to four channels of macroeconomic impact (cyclic variations in GDP growth with impact on output/demand, change in the conditions of trade and capital flows; monetary shocks determining investment risk, interest rates and profitability curves, capital flows; fiscal shocks with impact similar to the one of monetary shocks, which cuts private investment; volatility of key currencies, interest rates and production output), we can define the key macroeconomic variables measuring cross-country interdependence: determinants of growth in North and determinants of growth in South, which lay the basis for macroeconomic relations (Figure 16).

Ways in which high level of the accumulated debt can reduce growth rates can be explained by the “debt load” phenomenon that shows that the amount of debt in future may be higher than the country’s capacity to pay it, and the expected costs of debt service will decrease the flows of national and foreign investment.

Potential investors expecting that higher domestic output will be taxed more heavily by creditors for debt service purposes won’t be prone to suffer investment-related losses in order to assure future growth in output. This conclusion can be illustrated by the Laffer’s debt curve, which assumes that higher debt shocks are related with lower probability of debt repayment. On the upward or “positive” part of the curve the increasing net vaklue of debt is related with the increasing expected repayment of debt, and on the downward or “negative” part of the curve the increasing debt reduces the expected repayment of debt.

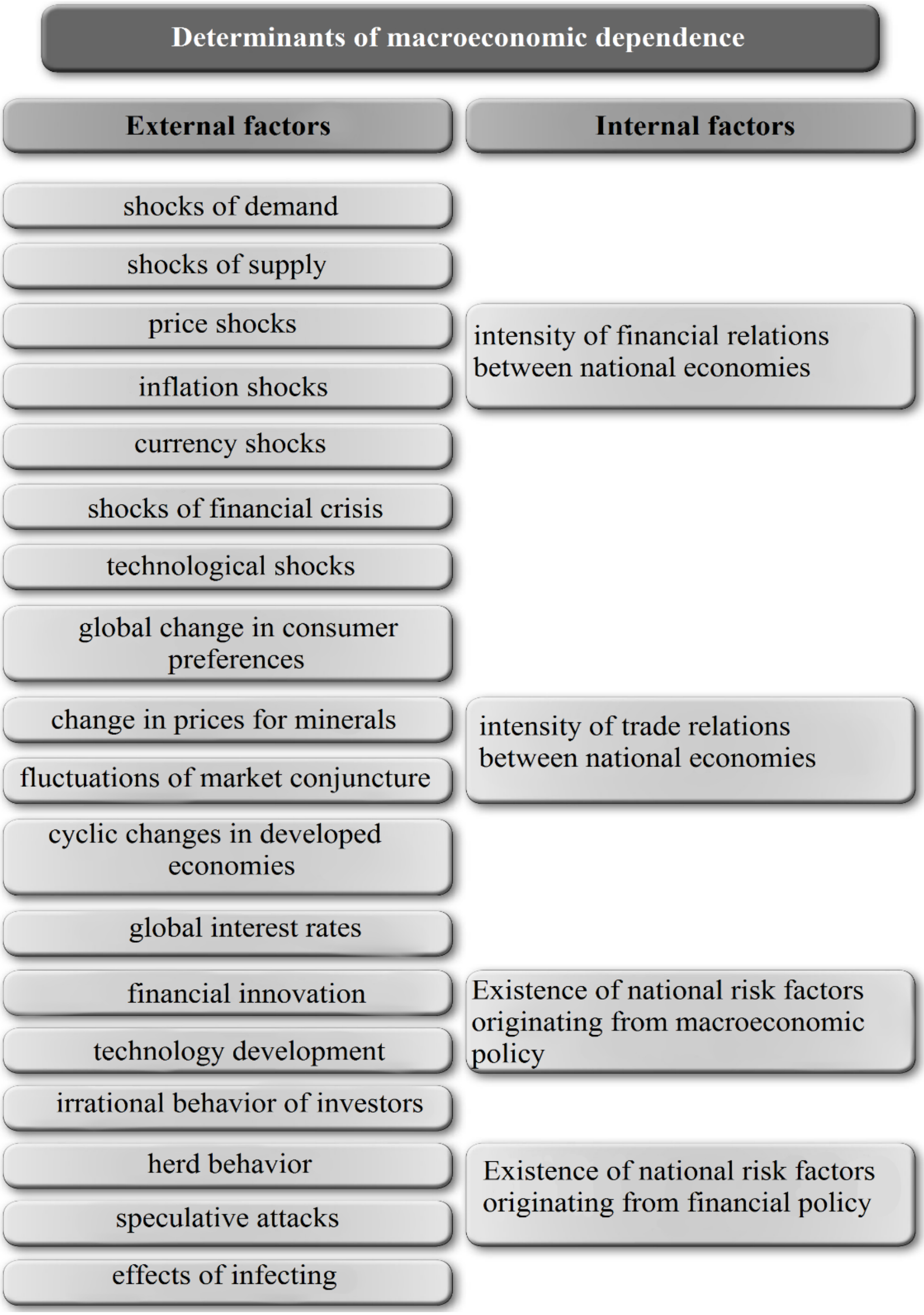

Figure 16. Determinants of national economies' vulnerability in the financial globalization context

Source: constructed by the author

Also, because expectations of writing off a part of debt cannot stimulate private foreign investors for additional investment, they reduce the accumulated capital. Debt load can affect the growth not only through investment scopes, but also through slower productivity growth. Many authors insisted on broader explanations of the debt load theory and attempted to interpret it by the reduced investment costs resulting from the need for debt repayment. As a consequence, governments have stimuli to implement complex political reforms with potentially high political and economic losses, which will affect productivity growth.

The above said can promote transformation processes in national economies, which allows for new interpretation of cross-country interactions in several formats:

- partial overlapping of their participants' interests, resulting from considerable compromise ("country – Center" or "country – Periphery" interactions);
- parallel implementation of equal interests of countries (interactions within integrative groups);
- mutual absorption of the participants' interests (more often in search for solutions of global problems: the ones related with instability and the socio-economic ones);
- cross-country interactions resulting from operation of various kinds of international organizations which membership impose limitations on setting up impartial domestic economic policies.

Therefore, according to classical interpretations, economic interdependence exists when either of the two cooperating countries will have to bear costs of disrupting the economic cooperation. These costs are conditional on the market structure, the specificity of assets and the significance of interactions. However, the significance of interactions per se strengthens interdependence, but only in case when the market environment constrains the possibility for adaptation. This logic of thinking assumes that the highest forms of interdependence exist when trade relations cannot be disrupted, the adaptation process is costly and the economic relations are significant.

We believe that **interdependence paradoxes** have another dimension:

- **Countries with chairmanships in international organizations** (which also make up declarations of millennium with the priority of individual over the economy in the context of poverty alleviation, social inequality, demographic challenges, sustainable development etc.) **are mostly the countries of origin of the most powerful TNC**; as capitalization in these countries exceed GDP in some other countries, their intentions diverge from the social problems of the latter countries and focus on making extra profit.

• **Economic growth in capital recipient countries:** in spite of many attempts, no clear empirical evidence of their dependence on investment and international aid (including financial one) has been found.

• **Benefits from globalization coexist with high risks of losses**, which were later explained by experts from various international economic organizations standing behind the schemes of liberalization of commodity and capital markets in developing countries by absence of the so called input conditions for their implementation; it was the way to take the responsibility off the so called inside experts and put it on the so called "fate" or a set of non-economic effects, which hampered the adaptation process and outcomes that they predicted.

• **Market effectiveness** that is laid in the basis of many economic models and implies rational behavior of economic actors **does not conform to the existing realities of economic landscape that has the speculative component with the sophisticated financial tools, which widens the gap between financial and real sectors of the economy**; these tools are built on principles of information asymmetry, which per se fails to generate standard conditions for operation in the competitive environment for all economic actors.

• **Capital flows from industrial countries to developing countries were much smaller than the predicted flows of capital between countries with various ratios of labor and capital**. With the beginning of this century "Lucas paradox" became even more explicit, because countries with emerging markets began to export capital to more industrially developed countries, mostly in form of accumulated currency reserves, which were invested mostly in government bonds. These flows of capital did not affect the growth of developing economies, which showed that lack of investment resources in these countries was not a key barrier for growth. The latter can be explained by low profitability of investment in the countries with low income. One possible reason for this is absence of institutions for protection of property rights (risks of expropriation of private investment) or poorly developed financial system, which makes investors' rights more vulnerable. In countries where investment is hampered by absence of domestic institutes, a disproportionally large share of the inflowing foreign capital can be used to finance consumption, which overvalues exchange rate and reduces investment profitability.

Positive effects from financial openness on the whole and foreign capital inflow in particular need to be mentioned in the above context. It should be noted that even when foreign capital is not needed for financing, financial openness per se generates the so called "by-side advantages" such as development of domestic financial sector and quality of administration, which are capable to boost the total factor productivity. Another by-side effect can be macroeconomic discipline. Financial openness offers a mechanism making governments fulfill financial obligations, because ineffective policies entailing high deficits of public budgets or high inflations rates raise the risks of foreign investors' outflow from domestic markets.

- **In the era of economic globalization, governments' capacities to generate domestic economic policies transform into the capacities to choose from the proposed options**; in other words, responsibilities of governments tend to focus on reactions to geopolitical challenges instead of generating them, which is, however, impossible due to the set of primary dependence forms (resource-based, structural, technological or financial dependence).
- **Interaction rules on the global area can be set and implemented once there are entities committed to what is declared by others**; membership in any organization would, therefore, be a result of someone's recognition of others' rights for decision making.
- **Countries cannot shunt between absolute and relative advantages due to the tough institutional frame of coexistence in the global economic area.**

- **Transformation of international aid from purely financial one into the one taking derivative forms**, such consultative ones, generates the dependence at geopolitical level, with prioritization of intangible assets (and conviction that this is really so) over tangible ones.
- **Macroeconomic policies of developing countries** (stimulation of foreign direct investment (FDI) inflow, elimination of payment imbalances, stabilization programs as an outcome of eliminated shocks provoked by crisis transmission), apart from being a reaction to exogenous irritants (hot money, shrinking of the total depend, global instability), **are set up by recommendations and participations of international institutions in the framework of G20/G7 summits**.
- **Liberalization of domestic commodity markets and capital flows is accompanied by their regulation by international institutions**; there has been gradual substitution of national legal systems that are potentially democratic by legal systems that are good for TNC.
- **Statements about ineffectiveness of domestic sectoral and resource management** are used as a pretext for further appropriation of domestic assets by private capital, mostly of foreign origin.
- **Reconfiguration of forces and aggravation of contradictions within the countries of the triad is complemented by rapid advancement of domestic ideas of economic breakthrough in developing countries**, capable to radically change the existing pattern of global interactions.
- **Economic imbalances are evidence to essential "subsidence" of macroeconomic relations**.

In the canonic interpretation, the levels of domestic savings and capital investment have to conform to each other, meaning that change in the savings level will trigger change in capital investment. However, in the last decades this causality between domestic savings and capital investment became looser due to capital flow liberalization. In industrially developed countries, the savings are higher than the capital investment, whereas in developing countries the savings are far smaller than the capital investment. According to expectations, when a typical Chinese investor has access to relatively safe instruments of investment with higher profitability rate, the positive income effect will be complemented by the substitution effect represented by lower rate of savings in private sector. This transformation will result in high welfare measures for China along with the decreasing trade surplus;

- **Dependency of both developed and developing countries on global factors**: demographic, ecological, limited capacity of global resources.

The third wave of globalization showed destructive effects of this regional affinity of countries, which manifested in crisis infecting. Integration and fragmentation, globalization and localization as controversial but inalienable tendencies in the international economy trigger new processes of fragmentation and glocalization (Figure 17). While an immanent feature of fragmentation is building and consolidation of blocks and associations of "national states" in form of complex hierarchical system in parallel with the increasing numbers of global actors and with the ongoing change in the balance of their forces, glocalization is the process of re-stratification of the world by new principles, which prevents from building the new global hierarchy.

Figure 17. Neo-dependence as a sign of fragmentation and glocalization of the global economy

Source: constructed by the author

Fragmentation and glocalization is a novel phenomenon of neo-dependence that is interpreted by us as the process of cross-country interactions generating various interdependence forms by setting up asymmetric (North – South) and symmetric (North – North, South – South, intra-regional) relations with various degrees of sensibility and vulnerability given the unified global rules of coexistence. These global rules are implemented in the process of regulatory harmonization with gradual elimination of regulatory functions of governments as a result of internationalization and laying the grounds for supranational regulation, which immanent feature is gradual reconfiguration of centers of force, which is accompanied by rise of new poles of economic growth, triggered by development of anchor countries of North.

Neo-dependence as an embodiment of diffusion-based dependence, which challenges economic sovereignties, takes multiple forms (resource-based, structural, information-based, technological, trade-based, financial, debt-based, monetary etc.) with setting up causal links between its derivatives according to the economic performance of countries; it legitimizes hybrid forms of cooperation (between regional groups; bi-regional and trans-regional relations that are not always associated with specific regional groups; hybrid relations, in particular relations between regional groups and individual powerful countries) with parallel processes of convergence and divergence of national economic systems in spite of the declared homogenization and heterogenization of the global economic area that is becoming increasingly de-controlled and polycentric (Figure 18).

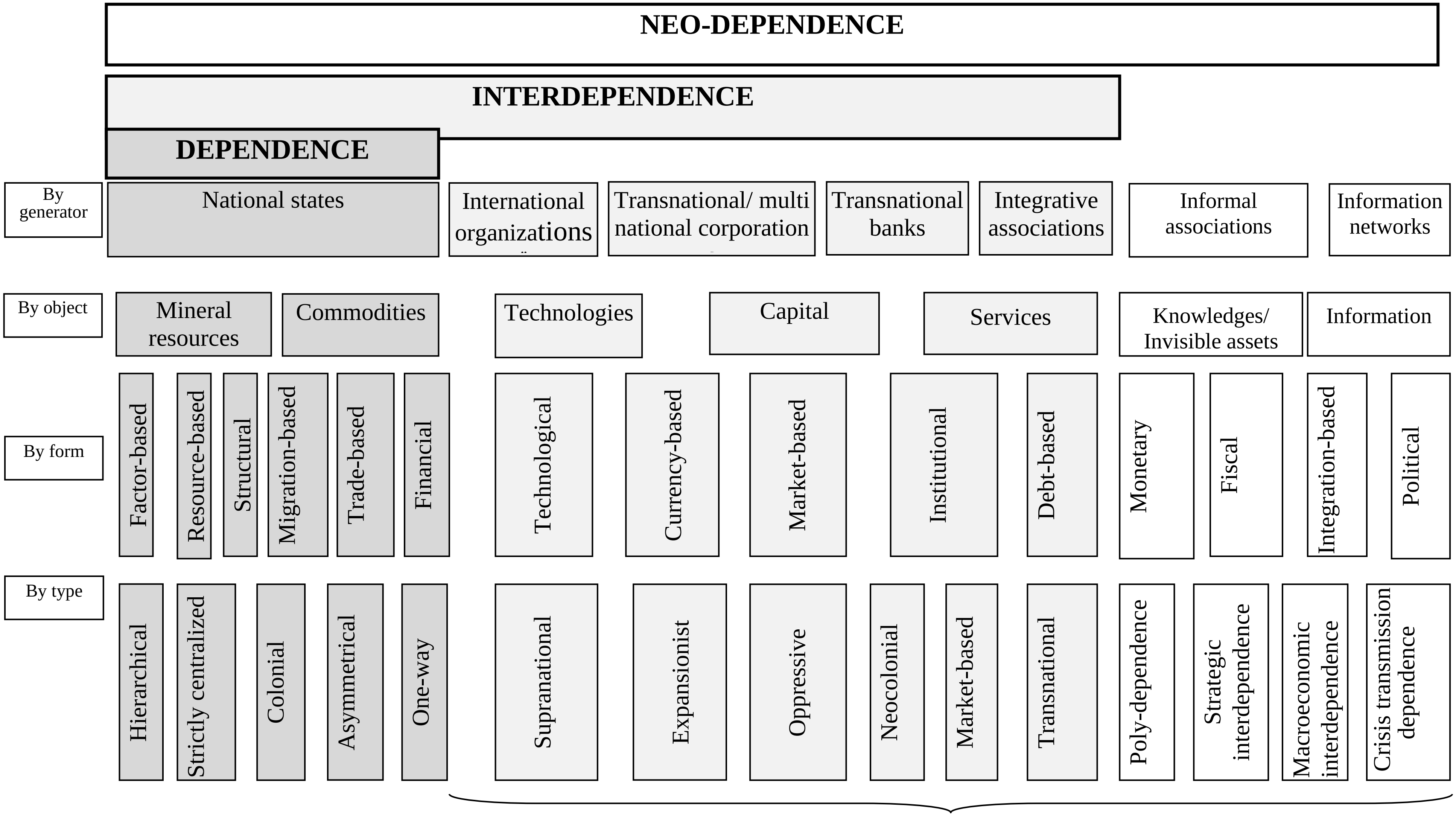

Figure 19. Genesis of neo-dependence

Source: constructed by the author

Neo-dependence is interpreted as the supreme phase of interdependence, which features are polivariance, multidimensionality, hierarchy, de-centralization and multilevel causality generated by countries and other actors of the global economy.

The author's approach to interpretation of neo-dependence actors aims to show that at the current phase cross-country interactions have many dimensions (Figure 19):

– generators of market-based dependence (financial globalization, economic (cyclic) crises; liberalization of trade; highly competitive environment; conditions of trade; intellectual property market; TNC as entities controlling selected commodity markets);

– generators of institutional dependence (international organizations generating dependence; decisions taken by G7/G8/G20);

– generators of integration-based dependence (regional trade agreements; economic and political integration per se in a broader context);

– generators of financial dependence (international economic organizations; TNC; financial centers; stock markets; offshore centers);

– instruments for socio-cultural dependence (transmission of consumption models from rich countries to poor countries, triggered by TNC; cultural and linguistic expansion; introduction of social standards);

– generators of technological dependence (highly competitive environment; TNC; international organizations);

– generators of information-based dependence (rating agencies);

– determinants of civilization dependence (global problems as civilization challenges; limitations on resources and pressures on growth; demographic challenges; cultivation of homo economicus);

– determinants of global change (reconfiguration of economic forces; transformation of substantial dominants in setting up economic objectives at country level).

However, standardization of cooperation rules, fixed in the international organizations statutes, which lay the basis for setting up and expansion of cross-country relations at various levels (structural, technological, financial, investment), in the liberalization era provoked asymmetry of opportunities in spite of declarations on equal opportunities for all. But there has been also the increasing TNCs' pressure on developed countries with TNCs' leading role in the resource redistribution mechanism.

Economic growth of capital recipient countries has no clear evidence, in spite of attempts to find empirical evidence of their dependence on investments and international aid (including financial one). Globalization benefits coexist with risks of heavy losses, which were later interpreted by experts from various international economic organizations, standing behind the schemes for liberalization of commodity and capital markets in developing countries, by lack of the so called input conditions for their implementation; it was the way to take the responsibility off the so called inside experts and put it on the so called fate or a set of off-economic effects, which hampered adaptation and outcomes that they predicted.

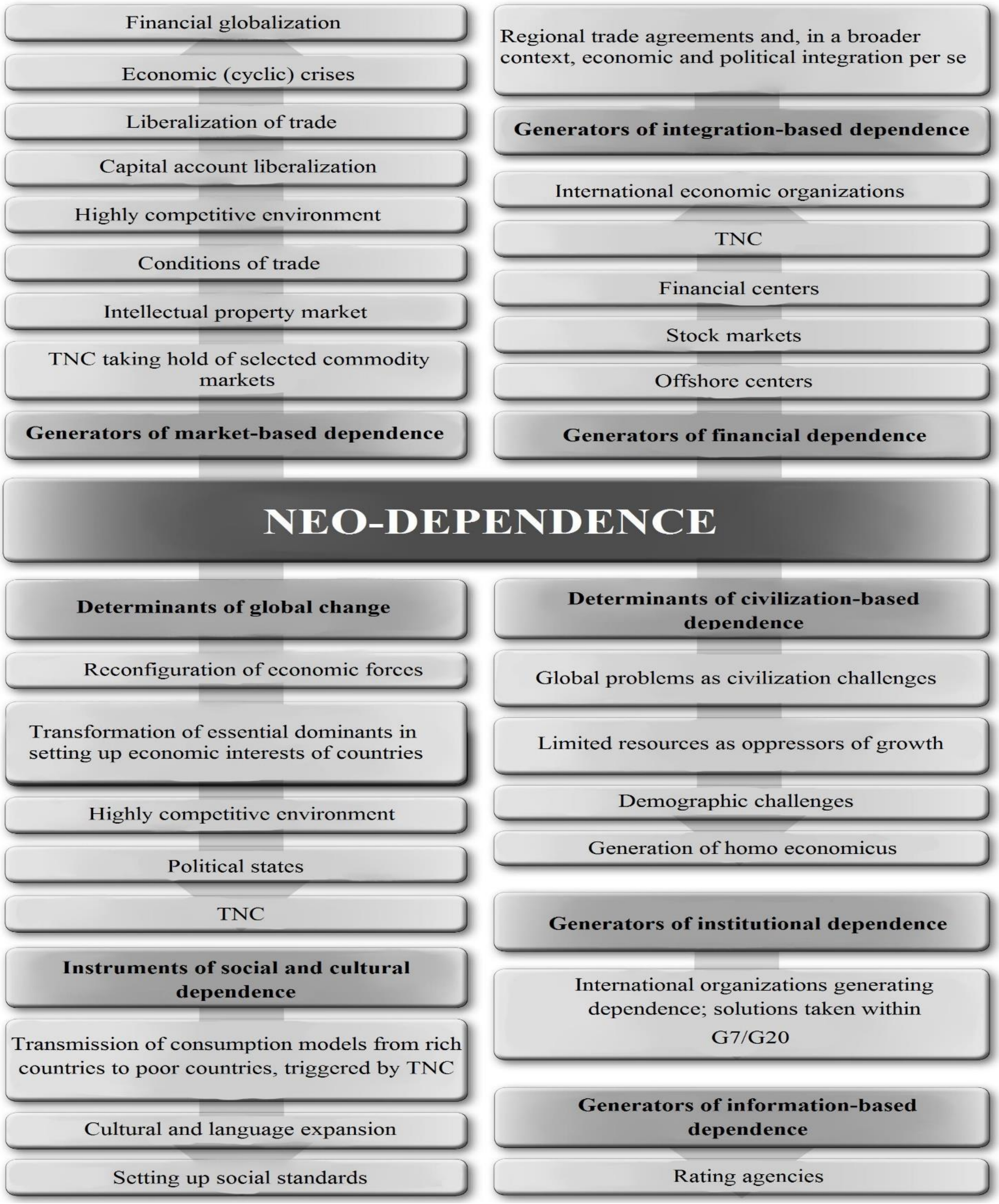

Figure 20. Determinants of economic neo-dependency

Source: constructed by the author

We are convinced that Bretton Woods institutions were successors of the colonial system and implementers of the developed countries' interests (see Table 2, Table 3, Table 4, Table 5).

Table 2

Institutional level of structural dependence

Title of organization	Functions generating dependence-based relations
IMF	• Promotion of structural economic reforms to provide for access to financial resources of Target Fund; • crediting through the mechanism of Structural Fund meat for assistance to poor countries in implanting medium-term programs of macroeconomic restructuring/
UNIDO	• Promotion of international industrial cooperation; • participation in industrialization of developing countries.
IBRD	• Lending for production purposes; • promotion of reconstruction and development in member countries though attracting capital investment for production purposes.
IDA	• Crediting of projects in the poorest countries, aimed at their economic development.
FAO	• Promotion of capital investment in agricultural sector.
MMRICM	• Setting up the balance between industry development and consumption of mineral resources.

Source: constructed by the author

Table 3

Institutional level of technological dependence

Title of organization	Functions generating dependence-based relations
WIPO	Protection of intellectual property rights;
UNIDO	Multilateral technical assistance to developing countries; assistance to developing countries in introducing advanced methods in industry, programming and planning;
IBRD	Promotion of investment and technology transfer; technical assistance to developing countries
UNCTAD	Setting up political guidelines for international trade in technology transfer;

Continuation of table 3

UNDP	Technical assistance to developing countries;
FAO	Technology transfer to developing countries;
OECD	Promotion of development in developing countries through technical assistance

Source: constructed by the author

Table 4

Institutional level of trade dependence

Title of organization	Functions generating dependence-based relations
WTO	• Regulation of international trade policy through setting the following principles: principle of the largest preferences or non-discrimination; principle of national regime; principle of national industry protection; overall ban of quantitative restrictions on imports; principle of creating the stable basis for trade; principle of promoting fair competition; principle of possible actions in emergency circumstances; principle of regional trade agreements.
UNCTAD	• Coordination of trade and development policies of national governments and regional economic groups; • setting up principles and policies on international trade and economic development, including finance, investment and technology transfer.
UNCITRAL	• Unification of international trade law; • coordination of international organizations' action related with international trade law; • promotion of broader participation of countries in existing international conventions and development of new international conventions on international trade law.

Continuation of table 4

OECD	• Promotion of global trade on multilateral and non-discriminatory basis in accordance with international commitments.
MMRICM	• Coordinated actions of governments of countries that manufacturers, exporters and importers of mineral products, aimed at stabilizing global commodity markets through creating international mechanisms and respective organizational forms; • Building up of the mechanism for multilateral regulation of the market with signing international agreements (implemented through international commodity agreements), made up and enforced in the framework and under auspices of UNCTAD and interstate agreements of countries that are manufacturers, exporters and consumers of a given commodity; • normalization of international trade in minerals through coordination of policies of manufacturers, exporters and consumers at the global market, stabilization of prices.

Source: constructed by the author

Table 5

Institutional level of financial and investment dependence

Title of organization	Functions generating dependence-based relations
IDA	• Non-interest loans and grants to governments of the poorest countries;
IFC	• Assistance to developing countries in achieving sustained economic growth, by financing investments, attracting monetary resources from international financial markets, and by consultative services to companies and governments;
IBRD	• Loans to the poorest countries that are insolvent at international financial markets; • loans to developing countries that are incapable to pay interests close to the market ones.

Continuation of table 5

UNCTAD	• Setting up policy guidelines concerning, above all, finances and investments.
MIGA	• Attracting direct foreign investment to developing countries, to support economic growth, reduce unemployment and increase living standards of the population.
OECD	• Initiator of Multilateral Agreement on Investment, for regulation of FDI at international level.

Source: constructed by the author

Structural inequalities built in the Bretton Woods paradigm were a significant factor behind the rise of the global system where economic and political pattern of South countries was in conformity with corporate interests of North countries. J. Stiglitz's description of institutional dependence permeating cross-country interactions is as follows: "We have a system that might be called global governance without global government, one in which a few institutions – the World Bank, the IMF, the WTO – and a few players – the finance, commerce, and trade ministries, closely linked to certain financial and commercial interests – dominate the scene, but in which many of those affected by their decisions are left almost voiceless. Periphery countries are continuously dependent on economic aid that deepens their dependence on the institutions, corporations and countries that do not allow them to have their infrastructural and business assets, political decisions, mineral resources, social support that would form the basis for creating self-sufficient communities".

Economic motives for developed countries investing in developing countries are not confined to the willingness to push up growth rates in developing counties; their intentions to increase their own welfare also matter. Besides that, some business stakeholders in developed countries have benefits from rendering aid. Interests of exporters of goods and services purchased by aid beneficiaries are directly supported by governments of countries lending money to governments of countries that are aid beneficiaries, whose capacity to repay the loans is conditional on whether or not they will continue to receive aid funds. When foreign aid pushes up the national income growth in developing countries, it implies the growing demand for goods and services in developed countries.

In view of the above said we are going to revise the existing concept of aid. A foreign aid cannot be regarded as “foreign economic aid” when mutual relations between recipient and donor countries lead to: economic expansion of a donor country on the recipient’s markets; disproportional growth in the exports of goods and services from a donor country; shrinking of import substitution policies in a recipient country; the situation when previous loans cannot be repaid unless new ones are given; the increasing dependence of a recipient country on technology imports from a donor country.

If the existing pattern of relations between a donor country and a recipient country is ignored, the risk of substituting the notion of “aid” by the notion of “hidden profit” will occur. The substitution motives can be perfectly understood from the perspective of donor countries, but the existing pattern of dialogue between the countries from two groups cannot be changed when the rules of the game are purposefully imposed by international institutions.

Bearing in mind the important role of financial organizations (such as the World Bank group), specialized institutions of the UN, international forums for discussions of the global agenda dictated by the contemporary challenges, one cannot but feel a global déjà vu. Although frameworks and wordings are new, the essence is still the same: the same split of the countries into the two proxy camps, the developed countries and the ones seeking to approach the long-awaited development figures; similar kinds of global problems which numbers are increasing, which brings into question the very existence of certain organizations that could have reduced the numbers if acted by their statutes; functions imposed on Periphery countries, which are abandoned by Center countries due to their commitment to the principles of capitalist system (reduction of costs, growth in income) and transition to the new phase of post-industrialization, which per se devalues the calls to achieve the overall prosperity.

Also, the institutional component of financial dependence needs to be highlighted, which fully conforms to the policies of international financial organizations setting up the conditions for credits and loans and selecting potential recipients of aid. Another key area of government intervention limited by global markets and multilateral rules and practices is macroeconomic policy. Finances have the prime importance in it: on the one hand, financial markets put heavy pressures on governments to make them adopt liberalization, on the other hand, opening of capital accounts and higher integration in international financial markets limit the governments' capacities to pursue autonomous macroeconomic policies. Yet, financial markets are the main source of instability. Their pro-cyclic nature makes governments pursue monetary or fiscal policies that aggravate macroeconomic instability rather than mitigate it. It is true for the countries with emerging markets, which have large debts and introduce heavy financial constrains.

Official financing, either multilateral or bilateral, does not always reduce instability caused by the pro-cyclic nature of private financial flows. Countries with emerging markets, facing unexpected or rapid withdrawals of private capital, can often receive official aid once they are committed to strict pro-cyclic macroeconomic policy. On the other hand, the available data give clear evidence that the aid to low income countries is highly volatile and pro-cyclic. It tends to come to end when and where it is needed most, and to call for tough fiscal policies when expansionist policies are needed. This situation can be more harmful for low income countries than instability caused by private capital flows for countries with emerging markets, because unlike countries with emerging markets, low income countries lack the economy of scale to cope with instability of external financing. These countries won't have larger space for strategy building unless the principles of international financial cooperation are revised.

The above said assumes that a domestic economic policy cannot be set up, because pressures from actors of international relations, international organizations in particular, mould the domestic needs into the global market. The author's approach to identification of new entities generating cross-country dependence can be enforced by introducing the notion of the so called cross-interdependence involving a combination of cross-influence factors and absorption of some factors by others. Moreover, at the phase of financial globalization dominance we can find a manifestation of financial dependence in each of the proposed dependence segments. The outlined dependence paradoxes and entities generating dependence are determinants for modification of the global economic interdependence, and they lay grounds for building up the neo-dependence paradigm.

Of the *mechanisms of financial dependence, triggered by the institutional factor*, we can highlight the following: dependence on monetary and credit policies of a country emitting a reserve currency, which generates a set of macroeconomic dependences for an emitting country, like Triffin paradox, and for a country affected by dollarization phenomenon, and the need to raise currency reserves for emission of the national currency.

Besides that, inadequate performance of functions imposed on both groups of countries by the global financial system leads to: escalation of global imbalances; the need for quick adaptation of mechanisms for liberalization of capital flows and foreign trade; the need to implement the conditions for financial aid, imposed from the outside; dependence on "lender of last instance" phenomenon.

Also, theoretical conception of neo-dependence needs to be elaborated due to the so called "globalization failures": absolutization of market and free competition; the increasing dependence of domestic economies on decisions and actions of supranational institutes; the increasing negative socio-economic effects from presence of TNC within domestic economies; the declining effectiveness of traditional tools for macroeconomic regulation; the increasing self-sufficiency and speculative nature of the global financial market, the growing dependence of real sector on monetary and financial components; aggravation of financial crises and destabilization of national economies as a consequence of capital flow liberalization; the increasing gap in income distribution at the global scale; the increasing social and political instability.

We believe that symbiotic dependence is the simplest form of mutual relations with the immanent asymmetry due to the different capacities of countries that are going to cooperate. It may be interpreted as either constructive one (resulting from interactions of Center countries or countries of Center and Periphery, when factors of exogenous origin involved in these interactions trigger endogenous processes capable to launch self-reproductive development), or as destructive one (a metropolis country exploiting mineral resources of a colony country).

Symbiotic dependence does not imply unification of the cooperation conditions or results, which occurred only at the phase of syncretic dependence (that is heterogeneous by nature and seeks to combine what cannot be combined).

Syncretism here constitutes a tendency of coexistence, with the global economy perceived as an integrated whole. However, gaps in the capacities of cooperating countries widen as global competition ideas are promoted. As a result, the concept of syncretic dependence materializes in divergence of the global economic development. At the phase of synergetic dependence economic interactions come under the impact of market-based, conjuncture-based, institutional and transnational dependences, with radical change in the philosophy of dependence, from the canonic cross-country dependence to the dependence based on principles of complex hierarchy.

We have shown that historic background for economic dependence relations and their forms changed with each globalization wave, but while in some cases their direct link can be seen (collapse of the colonial system → neocolonialism; extension of international labor division → transnational dependence; creation of international organizations → institutional dependence), in other cases causal links can be found by deeper analysis (violent liberalism → technological dependence; enforced competition → trade and technological dependence). Economic interdependence is defined as the causality that occurs in interactions of national economics and generates interactions (internal and external; direct and indirect; constructive and destructive; permanent and variable; regenerating and non-regenerating; substitutive and singular; weak and medium, explicit, strong, total; fragmented and global) (Figure 21).

Therefore, transformation processes in the global economic area have taken a radically new dimension, with relations between national economies extended and strengthened to the extent that the global economy can be reasonably referred to as a priority phenomenon with its immanent laws, tendencies, operation mechanisms, the increasing numbers of global actors with further rebalancing of their forces and formation of a new economic and political pattern of the world.

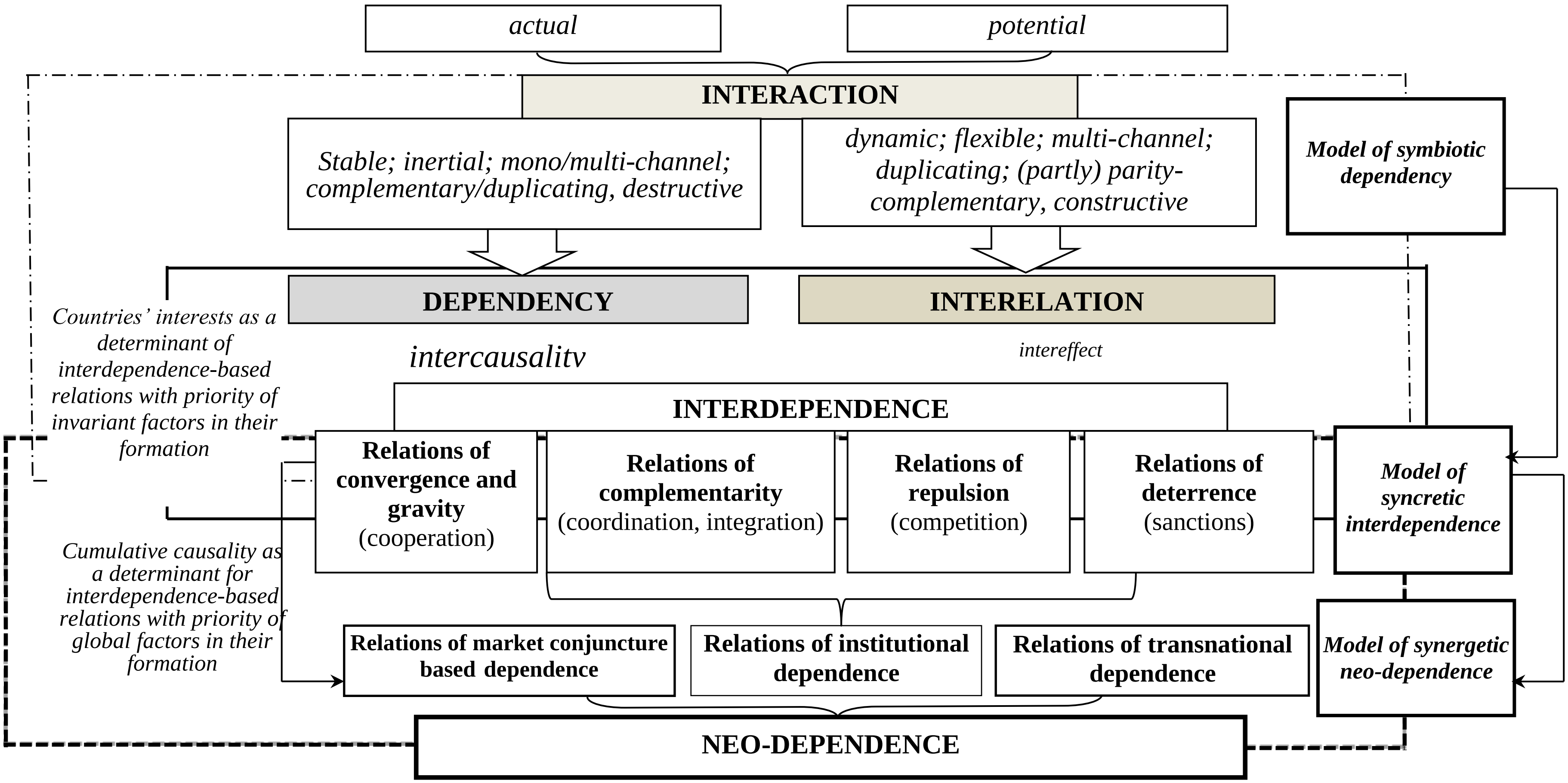

Figure 21. Essential meaning of synergetic neo-dependence paradigm

Source: constructed by the author

Conclusions. Formation of new economic dependence forms is triggered by the dialectics of the national and the global, immanent in the nature of globalization. Change that occurred in the latest decades in industry, communications, trade, foreign investment and international finance has transformed the global economy into the integrated global organism. Apart from the international labor division, this organism is integrated by value added chains of the global scale, the global financial system and the planetary information network.

We have proposed and substantiated a theoretical and conceptual model of global processes, which shows the need for rethinking of dependence. The economic neo-dependence paradigm that we propose has three-level structure:

- **hypothetic level**, for formulation of the hypothesis and the problem setting;
- **empirical level**, for analysis of existing practices and testing of the hypothesis;
- **theoretical level**, for substantiation of the results.

As theoretically substantiated results of empirical testing of the formulated hypothesis gave evidence to a gap between the existing knowledge on economic dependence and the reality, theoretical framework for new knowledge had to be created. The synergetic dependence paradigm as a theoretical basis for international economic relations is built on the concept of synergetic historism. It follows that dependence is not confined to the economic dimension; it applies to other walks of life (political, social and cultural) and puts emphasis on the most explicit aspects of the current phase of global change: multi-hierarchy, instability, diversity, imbalance; non-linearity, temporality.

The methodology of synergetic neo-dependence paradigm is built on the view of globalization as a process of rapid formation of the single global financial and economic area by use of advanced information technologies and harmonization of regulation principles, creating new flexible markets of labor, goods and capital, with the resulting neo-dependence relations. The synergetic approach to economic neo-dependence is based on the assumption that unsteadiness and instability of relations are basic parameters of various forms of cross-country interactions, whereas the entropic (disordered) nature of a system should not be treated as merely destructive.

The changed pattern of interrelations in the first globalization wave, in spite of the seemingly radical change immanent in the second globalization wave, only at the current phase of the global economy transformation, accompanied by perturbations, global crises, change in management philosophy, generates impulses to new patterns of re-balanced driving forces in the global economy and self-organization on new principles (complicated hierarchy, multi-polarity).

By this methodological approach crisis can be interpreted as a creative factor and constructive mechanism for evolution. While the philosophic thinking puts emphasis on integrity, origins and common goals, the divergent nature of economic development assumes that countries participating in economic interactions cannot have a unified intention. Coexistence of the dichotomous objectives can be clearly seen: to win and hold positions in the global economy with its immanent stratification, which aggravates the existing cross-country controversies manifested in multiple asymmetries and generation of their novel combinations (government/company). From the synergetic perspectives, the following fact is becoming increasingly important: global economy entities take a great many decisions, each one being significant but at the same time controversial to another one; taken in their totality, they can generate unpredictable outcomes and put on the agenda global management problems.

Neo-dependence is interpreted by us as the process of mutual impact, with absence of strict hierarchies in cross-country relations and poly-centric nature resulting from the flexible fragmented Center – Periphery structure of the global economy, built on cooperation environments unified by pressures from market fundamentalism and transnational actors and accompanied by transformations in the government’s role amidst the deepening integration process and strengthening institutional factors of regulation. Contrary to economic interdependence described in terms of trade shares and amounts of capital flows, economic neo-dependence originates from multiple combinations of mutual impact of generators of civilization-based, market-based, institutional, integration-based, financial, technological, socio-cultural dependence under the impact of globalization change.

While the philosophic thinking puts emphasis on integrity, origins and common goals, the divergent nature of economic development assumes that countries participating in economic interactions cannot have a unified intention. Coexistence of the dichotomous objectives can be clearly seen: to win and hold positions in the global economy with its immanent stratification, which aggravates the existing cross-country controversies manifested in multiple asymmetries and generation of their novel combinations (government/company). From the synergetic perspectives, the following fact is becoming increasingly important: global economy entities take a great many decisions, each one being significant but at the same time controversial to another one; taken in their totality, they can generate unpredictable outcomes and put on the agenda global management problems.

The above said gives clear evidence that economic globalization creates great demand for political globalization, because markets fail to solve the problem of fair distribution and imbalanced development, which they generate. The political globalization of XXI century does not imply the risk of taking form of the dominance of one central country.

Central principles underlying the contemporary model for institutionalization of the global economic development are the following:

- flexibility of the institutional setting, i. e. building up the operating economic system capable to timely delegate the required authorities to the level of most effective problem solution, to adequately respond on global threats and engage experts;
- professional autonomy of decision makers, prevention of all kinds of pressures from various lobbying groups, especially informal ones;
- network pattern of organization as the most favorable one to assure comprehensiveness and regularity of decision making at various levels;
- preservation and stimulation of cultural differentiation as the fundament for the sustainable long-term development of the global community and for the mechanism preventing mass-scale ideological poverty of nations;

- economic-ecological symbiosis as a means for the sustainable economic development and prevention of coercive redistribution of wealth;
- transparence of the global system, accountability of its components, adequate professional and unbiased response on social transformations;
- poly-vector monitoring and control when implementing decisions, opened access to authentic information of official power bodies;
- honest, timely and comprehensive awareness of the key actors in the global institutional system, to avoid information asymmetry;
- clear division of formal and informal powers between various actors of the global decision-making system, to avoid duplication of institutional forms and functions;
- equal access to public wealth and its fair redistribution;
- organization of multilateral, multilevel, clear and formalized system for enforcement and punishment by economic sanctions;
- application of unified regulatory systems and standards to homogenous actors of the global institutional system.

The current phase of the global interactions reinforces the already existing hierarchy of countries regarding their positions in the system of functional relations of technosphere with the external world, with the changing position of the political state in the global pattern of international relations and the blurring traditional political sovereignty.

Neo-dependence shows a novel paradox, when neither of the countries is capable to take on the responsibility for allocation of resources required for orderly and sustainable operation of the global economy and effective control of international institutes charged responsible for transparency of the trade system, stability of the monetary system and proper operation of the global financial markets. Neo-dependence as a process of cross-country interactions based on radically new principles of interdependence of Center and Periphery countries due to the increasing internationalization of the global economy and institutional pressures on national economic sovereignties puts on the agenda search for solutions to the problem of uneven development and aggravates technological, financial and information dependence due to resource and structural cross-country asymmetries. The above controversies can be dealt with by taking the following measures:

1. Create the global economic management institute, focused to finding solutions for the collective global challenges (elimination of global imbalances and gaps in economic development, control over expansion of TNC, de-concentration of technological resources.

2. Transform institutional framework of international organizations generating dependence-based relations: structural dependence (IMF, UNIDO, IBRD, IDA, FAO), technological dependence (WIPO, UNIDO, IBRD, UNCTAD, UN Development Program, FAO, OECD), trade-based dependence (WTO, UNCTAD, OECD), financial and investment dependence (IMF, IBRD, IDA, IFC, MIGA, UNCTAD, OECD).

3. Extend international economic cooperation within integrative associations through harmonizing fiscal, budgetary, banking and social policies in member countries, which will weaken divergent tendencies and relations of asymmetric dependence between member countries and lay grounds for implementing flexible integration scenarios, enabling to enhance sustainability and adaptability of the associations in the face of transformation challenges of the current globalization phase.

4. Create national agencies for development, charged responsible for strict management of stabilization and structural programs recommended to countries, to minimize negative by-side effects of these programs due to aggravated relations of debt-based dependence, financial dependence, investment-based dependence and other forms of dependence.