

FROM GREAT DEPRESSION TO FAST GROWTH IN TRANSITION ECONOMIES

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Abstract

The transitional recession in Eastern Europe and the former Soviet Union has lasted much longer than expected. It has been the result of both the legacy of the past and policy mistakes. Due to structural reforms and gradual institution-building, the postsocialist economies have started to recover, and some leading countries have been able to build up a certain amount of momentum towards fast growth. There is a possibility that, within the wider context of globalization, several of these emerging market economies will be able in a matter of one or two generations to catch up with the more advanced industrial countries.

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1. INTRODUCTION

The historic endeavor of transforming the statist-controlled economies of Eastern Europe (EE) and the former Soviet Union (FSU) from a system of central planning to the institutional arrangements of a free market economy is an unparalleled undertaking. The ongoing transition taking place in the former centrally planned economies of Eastern Europe (EE) and the former Soviet Union (FSU) is indispensable part of today's globalization. Without this transition globalization would fall short of its full dimension and dynamism.

Leaving aside the political and ideological concerns of such a fundamental change, the main argument in favor of moving to a market system was a wide conviction that the introduction of a market economy would improve competitiveness and efficiency in the former centrally planned economies (CPEs). It was expected that after some short period of transitional contraction the new system should lead to recovery and later to fast growth. However, for a number of reasons these goals have not occurred. The transitional recession lasted much longer than expected, contraction was deeper than assumed earlier, and the recovery was not and in several cases still is not - as smooth as envisaged both by the relevant governments and the concerned international organizations. Actually, instead of rapid recovery and robust growth, the protracted recession turned out to be a Great Transitional Depression, continuing in some countries over the whole decade of the 1990s. Moreover, it is important to observe that this great depression took effect to the full extent in two of the largest transition economies, i.e., Russia and Ukraine, with a combined population of about 200 million, or half of the population of all the countries in transition.

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While after the first decade of transition, i.e., 1990-99, the index of average (weighted) GDP for the 25 countries of EE and FSU stands at around 65 percent of pre-transition output, it went as low as 54 percent for the FSU economies, and in the case of the EE economies it is still below the 1989 level. This output decline was not expected at the onset of the transition process. Furthermore, the surprise stemming from these unforeseen developments caused significant differences in the interpretations of occurring events. This holds true with respect to the explanations of the causes of the lengthy contraction as well as the sources of fast growth in the countries where it has happened. Thus it is worthwhile to look for patterns of underlying roots of these processes in transition economies, especially from the standpoint of policy options for the future and their political and technical constraints.

The main concern of this paper are the implications of globalization for recovery and growth in transition economies as well as the chances and mechanisms of catching-up with highly-developed industrial economies. Thus not only the alternative growth paths and long-term passive scenarios out to the year 2050 are presented, but also the active policy options are discussed. They suggest that there are the chances for acceleration of growth rate and its sustainability in the long-term.

2. GLOBALIZATION AND POST-SOCIALIST TRANSFORMATION

The last decade of the 20th century has been marked by immense changes in the world economy. The new phase of the technological revolution and the far-reaching internationalization of capital flows have changed the patterns of economic performance. Broad trade liberalization, accompanied by growing liberalization of financial and capital markets, has brought about new prospects and new challenges. These challenges must be tackled not only by the governments and various international organizations, but to a growing extent by the private sector and nongovernmental organizations (NGOs). Hence, on the eve of the new century, there are not only mounting old structural problems, but several new issues that must be addressed properly by theoretical considerations and particularly by sound policy responses.

First, the private sector ought not to be the main beneficiary of the fruits of globalization and transition, but must be engaged more than it has so far in crisis management. The role of private business is growing worldwide, both in advanced market economies and in developing and formerly centrally planned economies - in the latter mainly owing to vast privatization program. Hence, the private sector must bear a larger responsibility for the outcomes of the crises, when they hit. The private sector in advanced industrial countries - including various financial intermediaries, investment banks, hedge funds, and multinational corporations - while becoming more involved in business on a global scale, must also be more concerned about sharing the responsibility and the costs when the international flow of capital fails to deliver positive results.

Second, the international organizations - including regional development banks and institutions dealing with particular aspects of international and global economic activities (i.e., International Monetary Fund (IMF), World Bank (WB), World Trade Organization (WTO), United Nations Trade and Development (UNCTAD), International Labor Organization (ILO), etc.) - must coordinate their actions in a well-orchestrated way. Despite advancing liberalization, or in some sense because of it, there are certain intertwined processes monitored by different organizations, yet the latter are not capable of coordinating their policies in a sufficient way. Many problems on the global economic scene, including the post-socialist theatre, have evolved because of the lack of such coordination. A good example here

is too risky exposition for an unregulated flow of short-term capital, which may help facilitate economic growth in emerging markets, but may also make growth more difficult. Unfortunately, in recent years the latter was often the case. If the risk evolving from too rapid trade liberalization is augmented by the risk coming from radical financial liberalization, then these risks escalate critically, particularly in economies with weak institutions. This is often the case in emerging markets, especially in the post-socialist countries.

Third, the international NGOs are going to play a much more important role than they have thus far. They must be seen as a strategic partner for the private sector, governments and their international organizations. The recent case of coordinating the actions regarding debt reduction for heavily-indebted poor countries (HIPC's) is a good example of such work and may turn out to be a good model for the future. If the leading developed countries from the G-7 group, as well as the IMF and WB work out the challenge of sharing the debt burden with certain NGOs, like Oxfam and Jubilee 2000, then the effects would likely be visible. The future will definitely hold more initiatives of similar character, in particular investment in human capital and environmental protection, on the one hand, and programs to counteract poverty and inequality, on the other. Transition economies will also be increasingly involved in these types of endeavors, which will enhance their ability to develop faster, since these activities are linked to the learning process and encourage more favorable participation in the global economic interchange.

Fourth, the systemic transition to a market economy has per se significant meaning for globalization. Some of the transition countries are clearly on the path toward a full-fledged market economy, while others, are still attempting to reform their existing economic systems, e.g., China, and will most likely join this process soon. All three aspects of transition, that is liberalization-cum-stabilization, institution-building, and the restructuring of industrial capacity, are related to the process of integrating individual economies into a global international monetary and economic system (Kolodko, 1992b).

Liberalization-cum-stabilization is linked to the process of opening up economies that were previously relatively closed. This is reflected not only in the fact that, due to higher participation by the countries in transition in the international division of labor, their imports and exports are growing faster (or, during contraction, falling slower) than the countries overall output. This also means free entry to and exit from liberally-regulated businesses of both domestic and international entrepreneurs. Additionally, capital flows have been liberalized enabling the infant capital markets of these countries to rapidly enter and participate in the global financial and capital markets. International investors are particularly active in the financial and utilities sectors. This penetration not only improves the quality of services provided by these sectors, but also creates a risk of "dependent capitalism" (Poznanski, 1997). Such risk stems from the asymmetry between the scope of capital being invested by transnational corporations and foreign investors in these countries, and is exacerbated by scarce investment capital these countries have to invest in foreign markets, especially since they are even short of capital to meet their own needs. This challenge can be overcome only in the long run, provided that financial stabilization is accomplished, the fundamentals are sound, and growth is fast.

Institution-building, especially through new laws and organizations that facilitate market-based allocation of resources, is linked to globalization too. There are several institutional arrangements, which at the same time are a part of the international and global institutional order, e.g., regulation vis-a-vis trade liberalization agreed within the framework of the WTO, or standards and policies aiming at protection of natural resources and the

environment. An indispensable part of globalization is the process of regional integration, e.g., with (and later within) the European Union and, after the initial disintegration, within the FSU. During globalization the national economies' institutional arrangements are becoming more similar; the more in-line they become, the easier is the process of integration and globalization.

All these reforms lead to microeconomic restructuring of the existing industrial capacity (Lavigne, 1999). To a large degree this restructuring takes place simultaneously with the expanding involvement of multinational corporations. Thus a growing proportion of the production and distribution processes in transition economies can be seen as a fraction of the global economy. Increasing inward foreign direct investments (FDI) are contributing importantly to this process. Nonetheless, it is crucial for future growth that transition countries achieve a higher propensity to save than has been the case so far; this in turn would enhance their capacity to build domestic capital formation (Kolodko, 1999b).

From this perspective, a sustained inflow of FDI must be seen only as an addition to the healthy flow of domestic capital. Owing to globalization FDI should continue, even after the privatization process, which attracted so much of the growing inward FDI flows in the 1990s, has been completed. Hence it should be expected that future FDI will also be targeting at microeconomic restructuring and will contribute to rising competitiveness in the long run. All these investment efforts ought to enhance growth in the transition economies even further.

3.ECONOMIC GROWTH CYCLES UNDER CENTRALLY PLANNED ECONOMIES

Before the historic endeavor to transform the former centrally planned economies into market economies was launched, these economies were growing.

Indeed, they were growing fast. Over the four decades preceding the 1990s the annual rate of growth averaged from 4.8 percent in the former Czechoslovakia to 8.2 percent in Romania. With such a pace of growth the national income had doubled in 16 years in the former case, and in less than nine years in the latter case. However, growth under the centrally planned system had numerous specific features. At least five of them are worth mentioning in the context of the way of reasoning relevant in these considerations.

First, despite stubborn attempts by the governments - or indeed quite often because of their intervention in economic matters and owing to the bureaucratic allocation of resources - there were specific growth cycles (Bauer, 1978; Kolodko, 1976). Although output was growing systematically, the medium-term rate of growth fluctuated. There were periods of accelerated growth, and then periods of correction, during which growth slowed down. Later, another expansion was launched and the sequence, by and large, was repeated (Table 1). These two features, that is, the endogenous mechanism of periodic fluctuation and the relatively regular character of these changes - justify the interpretation of those processes as being of a cyclical nature.

Second, growth in the former CPEs was of a "bad quality." Even in the relatively better performing economies the shortage syndrome was never entirely eliminated. Continuing shortages were causing serious economic and political stress. Price distortions led to additional obstacles to sustaining a high and stable rate of growth. At the later stage, in some countries the shortages were accompanied by open (i.e., price/wage) inflation; thus the so-called "shortageflation" syndrome emerged (Kolodko and McMahon, 1987). Consequently, growth was associated with lasting disequilibrium. Under the central planning allocation

system this outcome was opposite to what authorities expected.

Third, despite a high rate of growth the living standard in the region was not improving fast enough. The socialist (communist) model of development was based on expansion of heavy industries and an investment drive, with consumption growing at an always slower rate. Owing to the cyclical nature of growth, the rate of consumption growth fluctuated too, yet the highest variation was vis-a-vis investments. Nevertheless, (at least from the perspective of people's expectations) improvement in the standard of living was too slow and was causing increasing social dissatisfaction, which in turn led to a further loss of momentum. This factor, together with the discomfort of shortageflation, explains why the socio-political system of the CPEs got out of balance despite a not that low rate of overall production growth.

Table 1 Economic Growth Cycles in Centrally Planned Economies, 1950-89 Years/Growth Rate in Net Material Product (in percent)

Bulgaria	na	1953-56 6.5 -	1957-59 14.0 +	1960-63 6.0 -	1964-67 9.1 +	1968-71 7.4 -	1972-75 8.3 +	1976-80 6.4 -	1981-85 3.5 -	1986-88 5.2 +	1989 0.5 -	
Czechoslovakia	1950-52 10.0	1953-56 6.5 -	1957-61 7.4 +	1962-65 0.8 -	1966-69 7.2 +	1970-75 5.3 -	1976-78 4.7 -	1979-84 1.8 -	1985-88 2.4 +	1989 1.9 -		
GDR	1950-52 18.0	1953-56 6.7 -	1957-59 8.7 +	1960-63 2.2 0	1964-69 5.0 +	1970-75 5.7 +	1976-86 4.4 -	1987-88 3.3 -	1989 2.5 -			
Hungary	Na	1951-53 9.3	1954-56 2.0 -	1957-60 11.0 +	1961-65 5.4 -	1966-69 7.2 +	1970-74 6.2 -	1975-78 5.0 -	1979-85 0.9 -	1986-88 1.6 +	1989 0.4 -	
Poland	1950-53 9.8	1954-57 9.1 -	1958-63 5.4 -	1964-68 7.1 +	1969-70 3.7 -	1971-75 9.8 +	1976-78 4.9 -	1979-82 6.5 +	1983-85 4.9 -	1986-88 3.9 -	1989 0.2 -	
Romania	Na	1951-53 17.0	1954-56 5.0 -	1957-59 10.6 +	1960-62 7.6 -	1963-66 10.5 +	1967-70 7.0 -	1971-76 11.5 +	1977-79 7.7 -	1980-84 4.0 -	1985-88 5.4 +	1989 -5.8 -
Soviet Union	1950-51 16.0	1952-53 8.2 -	1954-56 11.6 +	1957-63 6.0 -	1964-68 8.2 +	1969-73 6.5 -	1974-78 5.0 -	1979-88 3.3 -	1989 2.6 -			

Sources: Central Statistical Office (GUS), Warsaw, various years, and author's calculations. '+' - acceleration. '-' - slowdown.

Fourth, there was a "growth fatigue" (Poznanski, 1996) under central planning. The pace of growth was slowing, especially at the later stages. After an initial period of rapid growth in the 1950s and 1960s, the rate of growth declined significantly, even though investments were growing faster than overall production, which shows that efficiency was disintegrating. As labor productivity was growing still slower, in the late 1980s growth came close to stagnation, and in 1989 it turned sluggish. Thus the potential for economic growth was fading away. Later, unfortunately, together with the beginning of transition, the recession had started and inflation accelerated significantly. Thus these countries, although to different degrees and for different periods of time, had shifted from one malaise - shortageflation under a dying centrally planned regime to another, "slumpflation" under the emerging market order (Kolodko, 1992a).

Fifth, the catching-up process was already taking place under the centrally planned system. Especially in the early years, the CPEs at a relatively lower level of development, e.g., Bulgaria and Romania, were growing much faster than the countries enjoying a relatively higher level of production and hence a better standard of living, e.g., Hungary and the former Czechoslovakia (Table 2). The same can be said about the pattern of growth in the former Soviet Union, where the Caucasus and Central Asian republics were growing significantly faster than the East European republics. Though to a lesser extent the situation in the former Yugoslavian republics was similar, where, for instance, the rate of growth in Macedonia was higher than in Slovenia.

**Table 2 Average Rate of Growth (NMP) in the Centrally Planned Economies, 1950-89
(In percent)**

	1950-89	First Phase of First Cycle	Last Phase of Last Cycle
Romania**	8.2	17.0	5.4
Bulgaria*	6.9	>10.0	5.2
Poland	6.7	9.8	3.9
Soviet Union	6.5	16.0	3.3
GDR	5.9	18.0	3.3
Hungary**	5.0	9.3	1.6
Czechoslovakia	4.8	10.0	2.4

Sources: Central Statistical Office (GUS), Warsaw, various years and author's calculations.

* Average for 1953-89

** Average for 1951-89

NMP - Net Material Product

4. TRANSITIONAL RECESSION AND THE GREAT DEPRESSION OF THE 1990s

And then the transition recession began. It lasted for three years in the best case - i.e., Poland from mid-1989 until mid-1992 - to as many as ten years in the worst case, i.e., in Ukraine from 1990 until 1999. In the former, GDP contracted by about 20 percent before starting to recover and grow. In the latter country, output fell by over 60 percent and only started to grow in 2000. While only three countries - in addition to Poland in 1996, Slovenia in 1998 and Slovakia in 1999 - have been able to recover their pre-transitional levels of output, at the other end of the specter are countries doing even worse than Ukraine. In Georgia and Moldova GDP in 1999 was about one third of its 1989 level, and in another four FSU republics it was significantly below half that amount. Among the EE economies, in six countries GDP was hovering around or below three-fourths of the 1989 output level. Thus the great slump is a fact.

However, it must be remembered that data for the transition economies is far from perfect. Of great significance here is the bias stemming from the existence of a vast informal sector, i.e., neither officially registered nor taxed. The issue is that informal activities alter upward both output and employment, but do not necessarily raise the rate of growth, or mitigate the rate of contraction. In another words, it is obvious that in transition economies the actual output and thus GDP is significantly higher than officially acknowledged in the range between 15 percent and 30 percent. However, this changes only the basis from which the pace of growth should be measured, not the rate of growth as such. Accordingly, at present both the overall GDP as well as the GDP per capita (and consequently the GDP absorption rate, i.e., private consumption and investment) are higher than may be suggested by the official data. The reason is not a faster than officially registered growth, but higher output at the point of departure. Hence these observations may change the understanding and interpretation of the absolute level of output, but not the pace of its expansion.

It must also be admitted that in some cases the range of the output fall at the onset of transition was exaggerated. Part of actual production did not vanish, but was transferred, most often together with assets, from the official to the informal sector. Later this particular form of privatization (since the official sector used to be state-owned and the unofficial became a privately-owned) resulted in a faster officially registered pace of growth than was actually occurring. Output, which existed before but was not reported, turned out to be registered gradually and thus was counted in the official statistics.

Therefore the phenomenon of informal sector brings two types of bias to the real picture of the initial contraction and subsequent recovery. The real scope of the contraction could have been exaggerated, but so could real growth later on. Interestingly, in many analyses much more attention has been given to the former case than to the latter. The point is that in the longer run - say, in a period of a decade or two - the balance of these two contradictory phenomena may become neutral.

There was always a belief that growth would come sooner than it actually occurred. For instance, in Poland, at the beginning of transition, the government assumed that contraction would last just one year and the fall of GDP would not exceed 3.1 percent. Actually it lasted for three years and was six times more severe. Gomulka (1990) predicted a rate of growth of 4.7 percent, 8.7 percent and 7.9 percent for GDP in 1991 -93. Whereas it should have brought about a sound expansion of about 22 percent over these three years, the Poland's economy actually contracted by 12 percent in 1990 and a further 7.0 percent in 1991. Only then did it grow by 2.6 percent and 3.8 percent in 1992-93. Assuming better policy response, for Hungary and Poland, Borensztein and Montiel (1991) foresaw an average 6.5 percent rate of growth in 1991-95 and 3.25 percent for the former Czechoslovakia. Summers (1992) expected the Polish economy to have turned around by 1991 (2 percent growth) and thereafter to soar by 5 to 6 percent. He had foreseen positive growth in the cases of Hungary, Poland, Romania, and Yugoslavia after 1992, and in the case of Bulgaria and Czechoslovakia after 1993, with the acceleration of a non-weighted mean rate of growth for the whole EE going up from 0.8 percent in 1992 to about 4 percent by the end of the decade. On the contrary, growth shrank by an additional 3.6 percent in 1992 (after a drop of about 17 percent in 1990-91) and at the end of decade it was expanding by a mere 2 percent.

Not only were the individual experts wrong, but so were the governments and respected international organizations. The International Monetary Fund in its World Economic Outlook 1991 expected GDP growth for EE to take place from 1992. After predicting a contraction of only 1.5 percent in 1991 (contrary to an actual collapse of 10.7 percent) GDP growth was

forecast at 2.8 percent for 1992 and at 4.4 percent for 1993 (IMF, 1991), yet it dropped in the former year by 3.6 percent and then increased by just 0.4 percent in the subsequent year.

Then the pendulum of expectations shifted to the other extreme. In the October 1992 issue of World Economic Outlook - under the influence of data showing a severe contraction in 1991 - the forecast was changed significantly. For the EE countries, instead of the earlier expectations of 2.8 percent growth in 1992, the forecast was for a 9.7 percent recession. As for the FSU economies, the forecast for that year was minus 18.2 percent, although the GDP actually contracted by "only" 14.2 percent.

There were a number of reasons why the early forecasts were too optimistic and expectations were not met. During the early transition period the range of uncertainty was huge, hence it was not difficult to be wrong simply because of the enormity of the process. Yet the true mistakes were more vis-a-vis the policies and their theoretical foundations than about the forecasts themselves. The latter were not accurate because the former were wrong (Kolodko, 1991 and 1999d; Nuti, 1992; Poznanski, 1996; and Stiglitz, 1998). Thus what has caused such a deep contraction that in so many cases turned out to be a decade-long depression of economic activity?

It is impossible to explain the Great Transitional Depression of 1990-99 exclusively by the legacy of the past or by the external shocks (Mundell, 1997). These factors, of course, play a meaningful role, however they should not be blamed as having primary responsibility for the misfortune of losing about half of the regions GDP over just one decade. The crucial role in these events was by policy decisions that often went wrong. Among the weakest areas of the adjustment programs was the negligence of institution-building of the market system. Performance of an emerging market economy depends more on the institutional arrangements than on overall economic liberalization (Kolodko 2000a).

Therefore, the discussion on the platform, "too fast versus too slow" liberalization and privatization has been led along wrong alternative lines (Kolodko and Nuti, 1997). The theoretical question and pragmatic challenge were not about the pace of either liberalization or privatization, but about the ways these two processes have been designed and coordinated (or, more precisely, often not coordinated) with institution-building.

If the institution-building was not enhancing the former processes, then there was a lack of compatibility between the elements of the multi-track process of transition. As a result, instead of growing, the microeconomic efficiency was eroding still further, which in turn led to output falling for so long and so deeply.

5. SCENARIOS FOR LONG-TERM GROWTH UNTIL 2050

Transition can be seen as a specific endeavor that shifts part of the global economy from one model of development to another. Before the recent recession, though the early expansion followed the pattern of growth cycles distinctive to the centrally planned system, all these economies were growing. Until they lost momentum in the late 1980s, they were catching-up with more developed regions (see Table 1). Now, assuming that the Great Transitional Depression has come to the end, there will be growth along the business cycle patterns distinctive to the market system. Further, there is an implicit assumption that long-term growth will evolve around a trend derived from business cycle fluctuations. Hence the post-socialist economies are going through a process of changing the substance of their cyclical growth. They do not move from a system where there was no growth (since there was growth

and not too slow) to a system where growth will resume per se and will automatically be of a "better character." That must still happen.

There are various forecasts for the coming years but no forecasts for a further decline of output in any of the transition economies. There is just a couple of cases where a drop in output is expected and only for a single year. This presumes that developments will go peacefully and severe external shocks will be avoided. Yet misfortunes cannot be ruled out a priori. In 2003-04 the GDP index will look less depressing than now, although not as impressive as one would like to see it. In 2004 only in 7 or 8 out of 27 countries the output will surpass GDP of 1989. At the other end of the list, output in another eight countries will remain below two-thirds of the 1989 standard. This will be altogether after 15 years of transition (Table 3).

Sometimes, owing to market exchange rate instability, a change of the relative value of the national currency may suggest a fall in GDP measured in U.S. dollars, whereas GDP is actually growing.

For this reason it is justified to take a closer look at the evaluation of GDP per capita on the basis of purchasing power parity. This indicator ought to be regarded as a point of departure to the catching-up process (Table 4).

There is an interesting phenomenon here. Unlike the EU and other advanced market economies, in the transition economies there is a large gap between the GDP measured in current prices, i.e., the market exchange rate, and its valuation on the basis of purchasing power parity (PPP). The progress of opening up in the transition countries and integration into the world economy is diminishing this gap, but it still remains. For this reason, there is going to be a lengthy process of real appreciation of the currencies of transition economies.

Indeed, it is already well under way. If from time to time the currencies of the transition economies do depreciate - and indeed sometimes devaluation is a spectacular event - it is not contrary to the long-term upward trend.

These data better reflect the actual level of development and the living standard. Thus it is also a better measure (and not the GDP per capita at the current market exchange rate) indicating where indeed these economies and societies are at the time. For instance, in Russia the GDP per capita - in 2000 at around \$1,500 in terms of the market exchange rate - stands at only 13 percent of the Slovenian GDP. Even with all the drawbacks of the recession, Russia is not that far behind. In the future, following progress with financial stabilization, this gap will decrease along the lines of a real ruble appreciation and, most likely, Russia will also achieve a faster rate of growth than in the more advanced post-socialist countries.

So where will all these post-socialist countries be in a generation or two? From the perspective of their long-term growth capacity, and thus the capacity to catch up with advanced industrial countries, four distinct post-socialist economies groups can be specified.

**Table 3 Transition Countries: Real GDP Index - Forecast for 2003-04
(1989=100 and 1999=100) (In percent)**

	Index 1999		Rate of Growth				Index 2003(4)*	
	1989=100	2000	2001	2002	2003	2004	1999=100	1989=100
	(In percent)							
Poland	121.6	4.8	5.1	5.5	5.8	4.9	129.0	156.8
Slovakia	101.5	3.8	4.6	6.4	6.0	6.9	130.9	132.9
Slovenia	107.6	4.0	3.9	4.2	4.1	4.8	122.8	132.2
Albania	92.5	7.0	6.7	8.3	6.9	6.5	140.8	130.2
Hungary	99.2	5.3	5.2	5.4	5.1	5.5	129.5	128.4
Czech Republic	94.7	2.6	3.6	4.8	4.7	4.4	121.8	115.3
Uzbekistan	92.3	3.8	-1.0	2.2	3.8		109.0	100.6
Croatia	77.2	2.6	3.5	4.4	4.8	4.7	121.6	93.9
Romania	73	5.3	5.4	5.3	5.0	4.6	128.4	93.7
Estonia	75.7	5.5	5.5	5.1	4.5		122.2	92.5
FYR Macedonia	72.0	4.8	5.5	5.0	4.5	3.6	125.7	90.5
Bulgaria	66.8	4.1	5.0	5.2	4.7	4.4	125.7	84.0
Lithuania	65.4	5.3	5.3	5.7	5.2		123.3	80.6
Belarus	78.2	-8.1	1.7	3.1	5.7		101.9	79.6
Latvia	60.1	4.9	4.8	5.5	5.3		122.1	73.4
Kazakhstan	60.2	3.3	4.5	5.9	6.1		121.3	73.0
Kyrgyzstan	60.4	4.5	4.1	4.2	4.4		118.3	71.5
Azerbaijan	45.2	7.3	9.1	9.7	9.0		140.0	63.3
Turkmenistan	51.2	5.3	5.1	5.0	6.1		123.3	63.1
Russia	56.1	2.2	2.7	2.0	3.4		110.7	62.1
Armenia	42.5	6.2	6.9	7.1	7.2		130.3	55.4
Tajikistan	44.1	5.0	5.1	5.0	5.9		122.7	54.1
Georgia	33.8	8.0	7.8	7.8	7.5		134.9	45.6
Ukraine	-35.7	0.2	3.3	3.9	4.6		112.5	40.2
Moldova	30.5	3.7	4.7	5.6	6.1		121.6	37.1
<i>Bosnia-Herzegovina</i>	<i>na</i>	<i>6.1</i>	<i>4.6</i>	<i>3.8</i>	<i>3.1</i>	<i>3.7</i>	<i>123.2</i>	<i>Na</i>
<i>Yugoslavia</i>	<i>na</i>	<i>15.4</i>	<i>13.2</i>	<i>10.9</i>	<i>8.1</i>	<i>5.9</i>	<i>165.8</i>	<i>Na</i>

Sources: Index 1999 from Table 3. Forecast for 2000-04 from PlanEcon 1999a and 1999b.

Na - data not available.

2003 for the FSU, and 2004 for the EE countries.

Table 4 Transition Countries: GDP Per Capita in 1999 and 2003-04, PPP Basis

	1999 (In US\$)	2003(4)	Growth (in PPP\$) (In percent)	Growth
Slovenia	14,267	17,344	3,077	21.6
Estonia	9,096	16,048	6,952	76.4
Czech Republic	9,472	11,442	1,970	20.8
Slovakia	8,395	10,954	2,559	30.5
Hungary	8,063	10,648	2,585	32.1
Croatia	8,284	9,528	1,244	15.0
Poland	7,232	9,255	2,023	28.0
Latvia	6,341	7,877	1,536	24.2
Belarus	5,722	5,737	15	0.3
Russia	4,539	5,087	548	12.1
Bulgaria	3,758	4,796	1,038	27.6
Lithuania	3,680	4,520	840	22.8
Romania	2,962	3,837	875	29.5
Armenia	2,842	3,662	820	28.9
FYR Macedonia	2,897	3,423	526	18.2
Turkmenistan	2,891	3,376	485	16.8
Kazakhstan	2,482	3,028	546	22.0
Yugoslavia	1,828	3,027	1,199	65.6
Uzbekistan	2,612	2,721	109	4.2
Azerbaijan	1,970	2,689	719	36.5
Ukraine	2,348	2,641	293	12.5
Georgia	1,950	2,570	620	31.8
Kyrgyzstan	2,211	2,472	261	11.8
Moldova	1,745	2,104	359	20.6
Albania	1,474	2,025	551	37.4
Tajikistan	748	848	100	13.4

Source: PlanEcon 1999a and 1999b.

*2003 for the FSU, and 2004 for the EE countries.

The first group can be called "the gainers" and will consist of economies able to sustain a rate of GDP growth at least two times higher than in advanced market economies over the very long-term. As a benchmark the recent rate of growth in the EU can be used. Though future growth is not a sure figure in this case either, it seems reasonable to assume that, by and large, it will sustain around the level achieved in 1997-2000, i.e., 2.5 percent. This implies that over the coming decades the annual rate of growth for the gainers will be about 5 percent, oscillating mostly between 4 and 6 percent.

The second group, "the even-runners", will be able to maintain a pace of growth similar or slightly higher than the EU, so growth will oscillate around 3 percent on average, moving between 2 and 4 percent. As a result, these countries will not be catching-up with the more advanced part of the European economy, or if they do it will happen very slowly. Consequently, the relative distance between these two groups will change only very modestly, yet given the different bases, the absolute distance will rise still further. Also the development gap between this group and the gainers will increase.

The third group, let us call them "the laggards" due to a lack of ability to make transition work to their own advantage, will grow even less than the EU economies (and the even-runners). Their long-term growth will not exceed 2 percent or may even stay below this low level. Thus in the future their relative income, compared with other groups of transition economies, will lag even further behind than at the turn of the millennium. There are many arguments that all post-socialist countries will be growing economies, yet it would be unwise to assume that, owing to the coincidence of unfavorable circumstances and policies, the worst among them will not be driven from time to time into another recession. Accordingly, their long-term growth could be very meager.

And there is a fourth group, or at least there is a chance that it will appear - "the frontrunners." These countries, under a lucky coincidence of favorable circumstances and good policies, will enjoy an average rate of growth approximately three times higher than the EU, i.e., 7.5 percent. While running between 6 and 9 percent annually, they will approach the EU production standard, and at the same time, they will distance themselves from all other post-socialist economies.

These are some general reflections vis-a-vis alternative pace of growth in the transition economies. It does not mean, of course, that each country that grows faster will enjoy higher output and, consequently, a better standard of living than a country growing at a lower rate, although in the longer run this will eventually happen. However, for several years the reverse situation may occur, because of the logic of the catching-up mechanism. This means that countries moving from a lower level of output in 2000, like Azerbaijan in the FSU region, or Albania in the EE region, may report faster growth than, say, Estonia and Slovenia, for a number of years will still have relatively lower income.

In Azerbaijan the GDP per capita on a PPP basis was estimated at about \$ 1,970 in 1999, while in Estonia it was \$9,096 - almost five times higher. Against this background it is assumed that whereas in Azerbaijan GDP will increase on average by 7 percent between 2000 and 2003, in Estonia it will grow by only 4.1 percent per year, yet its absolute production - will remain much larger. As for Albania and Slovenia, the relevant GDP per capita on a PPP basis is \$ 1,474 and \$ 14,267, whereas the expected rates of growth are 7.1 percent and 4.2 percent. Therefore, according to the above logic, not surprisingly Albania and Azerbaijan can be found among the frontrunners, whereas the more developed Estonia and Slovenia will be among the gainers, and only at the very end of the league (Table 5).

These predictions must be seen as passive scenarios based on the extrapolation of recent trends and certain assumptions vis-a-vis future policy reforms. The recent forecasts are often less optimistic than those of only a couple of years ago. The change of mood results, inter alia, from negative external shocks, which have influenced not only the real economy, but even more the ways of thinking and expectations. For this reason, contrary to the early 1990s, it could happen that there may be excessive pessimism this time.

Yet it is true that the Russian "crisis within the crisis" and its 1998 financial climax has affected not only several FSU republics, but some other economies as well, including the previously faster growing Slovakia owing to the large exposure to trade with Russia. In other countries, e.g., Poland and Slovenia, deceleration of growth occurred more as a result of inconsistent policies and delayed structural reforms. As far as active financial policies are concerned, they can possibly bring back the pace of growth in these countries close to the 7 percent rate already accomplished. Maintaining growth at this level for many years will keep these economies among the frontrunners. This is possible and in fact is likely. Consequently, certain scenarios would soon change in a more optimistic direction. Forecasts depend mostly on the policies - not the other way around.

**Table 5 Transition Economies: Average Rate of GDP Growth in 2000-03(4)*
(In percent)**

Frontrunners	
Yugoslavia	10.7
Albania	7.1
Azerbaijan	7.0
Georgia	6.2
Gainers	
Slovakia	5.5
Armenia	5.5
Hungary	5.3
Poland	5.2
Romania	5.1
FYR Macedonia	4.7
Bulgaria	4.7
Lithuania	4.3
Turkmenistan	4.3
Bosnia-Herzegovina	4.3
Slovenia	4.2
Tajikistan	4.2
Estonia	4.1
Latvia	4.1
Even-runners	
Czech Republic	4.0
Moldova	4.0
Croatia	4.0
Kazakhstan	4.0
Kyrgyzstan	3.4
Ukraine	2.4
Russia	2.1
Laggards	
Uzbekistan	1.8
Belarus	0.5

Source: Author's estimation based on the forecast of PlanEcon 1999a and 1999b.

* 2003 for the FSU and 2004 for the EE economies.

According to the above discussion, there can be four paths of long-term growth: for the laggards, even-runners, gainers and the frontrunners. The question is under which classification would a particular country fall if it were to stay the course of a specific pace of growth for a given period of time during the next 50 years? (Figure 1). Within the above four hypothetical scenarios there are three subscenarios, i.e., the core scenario A, the minimum scenario B, and the maximum scenario C. The extreme subscenarios are based on a calculation of a half century of growth that is either at the minimum or at the maximum end of the band, the center of which is given by the core scenario A (Table 6).

The first scenario initially presumes a medium-term (five years) period of slow growth due to unstable fundamentals, weak institutions, an inadequate policy response, and negative external shocks. Then growth accelerates for the subsequent five years due to continuing institution-building and policy reforms as well as more favorable external factors, e.g., an end of regional conflicts. Later, over a full decade, acceleration gains momentum owing to institutional advancement and better policies stemming from learning by doing, experience and knowledge. Hence these economies advance to the gainers group, which means that their rate of growth increases to the range of 4 to 6 percent. Afterwards, for the long-term of three decades, growth declines, but only to the pace of even-runners, i.e., 3 percent. Thus in a matter of one generation the transition process lifts national income almost twofold, and over two generations by 2050, growth may increase about five times. Considering the range of growth rates, in subscenarios IB and 1C cumulative growth could be much smaller or significantly larger than in the core scenario 1A (see Figure 1I).

This type of scenarios is likely for countries that have weak fundamentals, poor institutions, delayed structural reforms, inconsistent development policies, relatively less favorable geopolitical position, and in certain cases the countries might be directly or indirectly affected by local tensions and conflicts. For instance, countries like Tajikistan in the FSU, or Romania in the EE region fit to a certain degree in these scenarios. The future will bring a lot of mutations that will make the real picture even more colorful. Nevertheless, these countries can accelerate their rate of growth later too, if only through proper policies they will be able to get rid of various lingering structural and institutional bottlenecks keeping them thus far from attaining their growth potential.

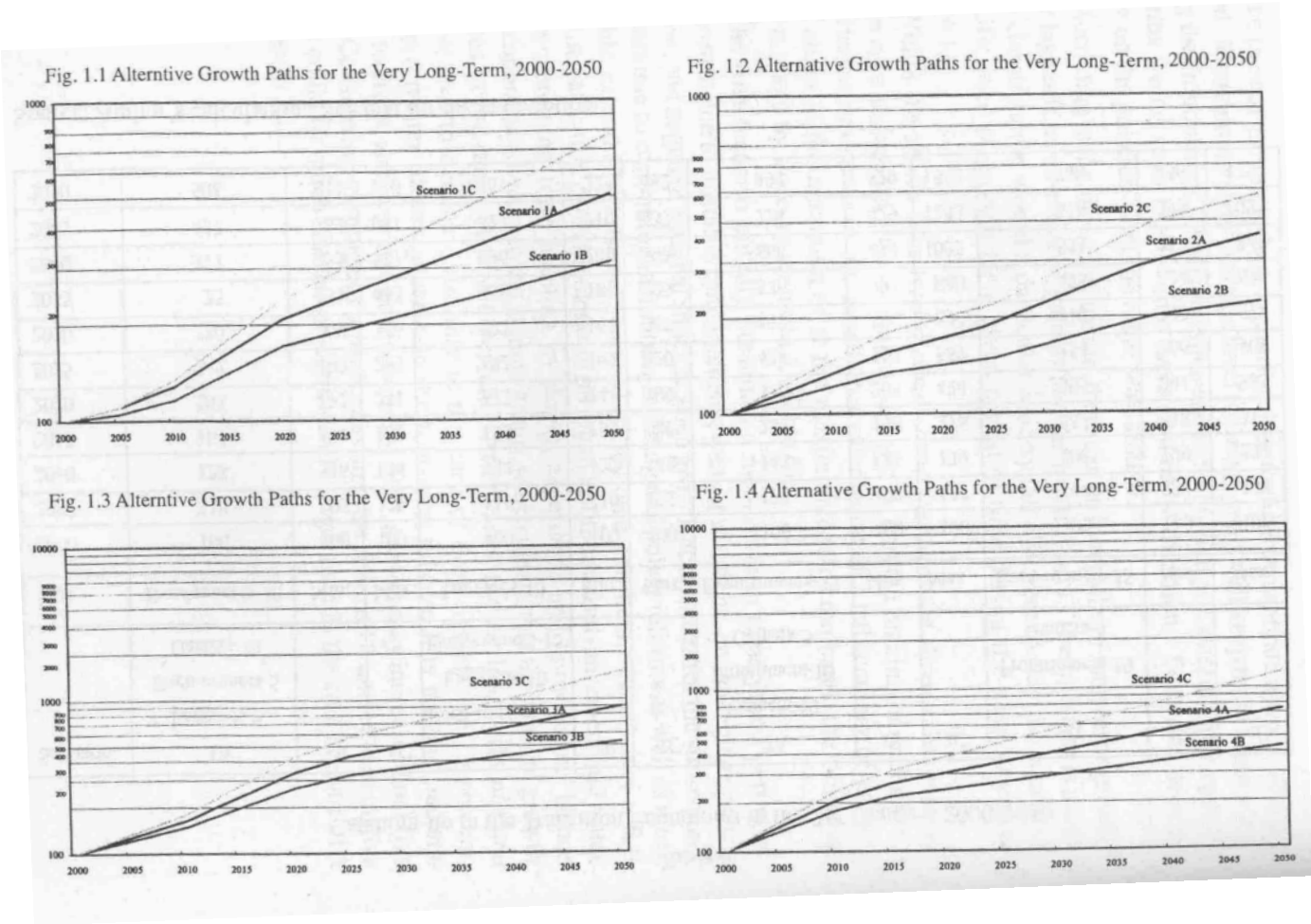
The second scenario is for countries that will take only limited advantage of the opportunities brought by introduction of a market economy. For this reason their rate of growth will be even slower than under the centrally planned system. Moreover, sluggish growth will be accompanied by increasing inequality (Milanovic, 1998 and Kolodko, 1999c). For the first period, say, 15 years, these countries will grow at about 3 percent annually and then at an even slower rate of only 2 percent. Then, during a period of the second generation, a sequence of 15 years as even-runners, and ten years as laggards may be repeated. All these possibilities are probable for the countries that are still muddling through inconsistent structural reforms and burdened by an institutional vacuum. Old institutions have been already dismantled, but the new ones are not yet in place. Such a hybrid system contributes to making growth more difficult and side tracks countries from the opportunity to catch up in just an illusion. Even if the geopolitical position helps and human capital is relatively strong, weak fundamentals and an unstable political situation can discourage domestic capital formation and hinder absorption of the flow of foreign savings. Thus in 2025 and 2050 this group of countries can be as far behind the average global income as they were in 2000, because growth will rise only by about 260 percent over the very long-term (see Figure 1.2). What countries are likely to belong to this group, is left to the countries themselves to decide, since according to the logic of the reasoning presented, thus far no country is doomed a priori to such meager growth.

Table 6 Catching-up in the Transition Economies in the 21st Century, 2000-2050

Scenario	1A Laggards-5 Even-runners-5 Gainers-10	1B	1C	2A Even-runners- 15 Laggards-10 Even-runners-15	2B	2C	3A Gainers-10 Frontrunners-10 Gainers-5	3B	3C	4A Frontrunners-10 Gainers-5	4B	4C
Year	Even-runners-30	Min.	Max.	Laggards-10	Min.	Max.	Even-runners-25	Min.	Max.	Even-runners-35	Min.	Max.
2000	100	100	100	100	100	100	100	100	100	100	100	100
2005	110	105	110	116	110	122	128	122	134	144	134	154
2010	128	116	134	134	122	148	163	148	179	206	179	237
2015	163	141	180	156	135	180	234	198	276	263	218	317
2020	208	172	241	172	141	199	336	265	424	305	241	385
2025	242	190	293	192	149	220	428	323	567	354	266	469
2030	280	209	356	222	164	267	497	356	690	410	293	571
2035	25	231	433	258	181	325	576	393	840	475	324	694
2040	377	255	527	296	200	395	668	434	1022	551	357	845
2045	437	282	641	327	210	437	774	479	1243	638	395	1028
2050	506	311	780	361	221	482	897	529	1512	740	436	1250

Source: Author's calculation. See text for the assumptions.

Figure 1. Alternative Growth Paths for the Very Long-Term, 2000-2050



The third scenario reflects a situation in which over a period of ten years or so the average rate of growth is sustained at 5 percent, while oscillating between 4 and 6 percent. This may be plausible for the gainers that have strong institutions and improving fundamentals as well as a reasonable policy response and advanced structural reforms. During the succeeding decade growth may even jump to 7.5 percent and then decline one more time to 5 percent over the medium-term. After a time span of one generation, growth will slow down to the pace of the even-runners, where it may be maintained for another 25 years. This growth pattern would indeed be extremely successful. In this scenario the catching-up process would be complete, since at the end of the journey income would be at par with the standard of developed industrial countries.

Perhaps, luck catching up may occur for the best performers among countries joining the EU soon. It is hardly imaginable that all of them will succeed in taking this path, yet the strongest performers seem to have a chance (see Figure 1.3). If so, realistically these countries should be a close fit to the minimum sub-scenario 3B, because the maximum one, i.e., 3A, would approach a post-socialist miracle. Of course, a miracle would help, the problem however is that the miracles do not happen neither in East Asia, nor in Eastern Europe.

The fourth scenario (see Figure 1.4) is very optimistic as well. And over sevenfold increase of real income during half a century has not happened that often in the course of history. Indeed, it has occurred very seldom (Cohen, 1998). Nonetheless, under certain circumstances this rapid rate of growth can be fulfilled in the case of the leading transition economies, on the one hand, and for some of the underdeveloped post-socialist countries. Other economies with strong fundamentals and matured institutions, say the members of OECD, can also aspire to the first group under the above scenario. They must simultaneously manage sound policies and take full advantage of their integration with the EU as well as attract a continuously large inflow of FDI. For instance, for Hungary or Poland among the EE emerging markets, or for Estonia in the FSU region, this scenario is not unimaginable. Their favorable geopolitical positions and quality of human capital can help too. Yet the decisive factors will be the policy strategies, particularly those enhancing entrepreneurship. Open product markets, flexible labor markets, and well-developed capital markets make it easier for entrepreneurs to start new firms. This kind of "venture privatization" and grass-roots entrepreneurship are of critical importance for sustaining a high-speed rate of growth (Lavigne, 1999; Kolodko, 2000b). In the first decade of the 21st century these types of economies would grow as the frontrunners, having an average growth rate at about 7.5 percent. In such a case GDP would double over ten years; this is two times sooner than under the first scenario. Later, when the catching-up process will have advanced, the rate of growth would decline to 5 percent or so and then would fall to the EU level.

But this scenario can also match the characteristics of other types of economies, which start from a very low income base. Despite weak institutions and unstable fundamentals, despite lagging structural reforms and often not the most reasonable policy responses, these economies can nevertheless take off towards this kind of catching-up too. That is because of the coincidence of two specific factors, which before many other features that facilitate fast growth, and do matter for the catching-up process. On one hand, the nascent fruits of transition, i.e., liberalization and privatization, are contributing to fast growth in countries at a very low starting point because of improved capital inflow and its better allocation. On the other hand, valuable natural resources will attract a strong FDI flow boosting strong growth for several years. For instance, Azerbaijan fits into this category well and, to a lesser extent, so does Tajikistan. Their level of development gives them a better chance to grow quickly, since they start from a GDP per capita, on a PPP basis, of only \$1,970 and \$750, respectively.

If only other conditions are met, particularly if there is a conclusive end to regional conflicts, then these countries can indeed take off towards fast growth.

Later, after these two different groups of post-socialist economies have significantly upgraded their level of development over the next 15 years or so, their economies will expand at different paces. The advanced ones should slow down to the pace of even-runners for the following 35 years. Most likely then they will be closer to the lower limit within the band of a 2 to 4 percent rate of annual growth. The less developed countries will be closer to the upper limit, that is, to 4 percent, or they may even match the higher rate of growth that characterizes the gainers. In this scenario, as in scenarios two and three, the critical catching-up occurs at the beginning and during the middle years of the whole period, whereas toward the end of the cycle the rate of growth is supposed to be basically on the par with the more advanced countries and this would be only for the countries starting from a very low level currently.

Yet it can happen that the entire process of catching-up will fail if structural reforms and institution-building do not perform at the base levels. It can fall short, if the political climate switches to an adverse situation. Catching up may be deferred, if globalization gets off-course and instead of streamlining transition hampers it. The true future of post-socialist economies will be much more complicated than that outlined in these hypothetical scenarios.

It is extremely unlikely that any country will stay an unchanged course over the very long run, say for a generation or two. Countries may switch often from one path of growth to another. They will do so in both directions, which means up and down, depending on the changing domestic and international conditions. Some will not be able to avoid a threat of recession, when they are confronted by external shocks or by their own policy excesses. Many of these changes are completely unpredictable now. Many others will be a matter of political decisions taken - or not taken. This in turn will depend on the institutional aspects of development and the performance of democracy. Of course, the latter is also capricious, especially in the nations with relatively young democratic regimes, as indeed all post-socialist countries are.

Whereas for some countries future development will be about sustaining the path of growth they have undertaken, while for others the struggle will focus on getting to a path that will move their economies forward at a faster pace (Lucas, 1999). The future of post-socialist economies depends on selecting and committing to a favorable path of economic growth and the ability to stay the course for the longest possible time. A number of scenarios for further development are feasible. In the hypothetical occurrence of the extreme cases - which is simply unlikely - certain post-socialist economies could expand for the whole period of half a century as frontrunners or they could drag as laggards. This is hardly likely to happen, since we should not expect any economy to run on an average growth rate of 7.5 percent until 2050, nor should we be pessimistic that there will be countries whose output will increase by very low margin, say just 1 percent per year, if at all. It should be expected that the transition economies will not belong to either of the extreme groups, but to the central one, that is, to the gainers and the even-runners. This implies that they will manage to stay on the course of a rate of growth that is appropriate to these two groups, that is, between 2 and 6 percent. However, within this very wide band it can be expected that most often the growth rate will fluctuate between 3 and 5 percent.

6. ACTIVE POLICIES FOR CATCHING-UP IN THE 21st CENTURY

While looking into the future, it is necessary to distinguish between passive scenarios and active strategies. Along what path travel toward the future goes, will depend on many variables. Some of them are given and hence we can only try to foresee them more or less accurately and clearly. However, the critical mass of events in the growth process is contingent on chosen policies and the political will to follow the strategies. Once again the geopolitical position, inherited culture, quality of human capital and skilled labor, population and thus the scope of products and service markets, stock of natural resources, the beauty of the country and its attractiveness to tourists - all of these given factors matter for growth prospects. Some factors are permanent, some can be changed only over a long time period and only under the conditions of a growing economy. But what matters most, is the policy framework. Without a sound strategy even the areas of comparative advantage will not serve the purpose to advance development.

Countries with better geopolitical positions have the advantage of proximity to the major trade and financial markets, as Estonia does with Scandinavia, the Czech Republic to Germany, Bulgaria to Turkey, or even Azerbaijan to Iran, or Kyrgyzstan to China. These countries are finding themselves in a relatively better situation for faster growth now. Still more so do the countries aiming at integration with the European Union. Countries with a true commitment are carrying out gradual institution-building. For instance, Hungary and Poland will benefit from this strong foundation in the years to come, more so than other emerging markets. They are already benefiting from this investment.

The combination of these two factors - that is, the favorable geopolitical position in Eastern Europe and substantial progress vis-a-vis institution-building - are already boosting growth of the candidates for accession to the EU. These countries, even if relatively more developed, such as the Czech Republic, Estonia or Slovakia, will grow faster than other countries in the region. The entire group of countries can be foreseen in the next decade or two to be among the gainers. Some of them, under wrong policies or unfavorable external shocks, may be downgraded to the lower league. Yet before they catch up with Western Europe - or at least with the relatively less advanced southern part of Europe - they should not remain in these circumstances for too long. This means that even if from period to period they do not succeed in sustaining the rate of growth at about 5 percent annually, they can return to this path soon afterwards.

As for the countries that occasionally advance to the upper league, they will come from two different groups. The first will include the true leaders of transition, those that are able to combine sound development strategies with comprehensive structural reforms. These are two different, yet strongly inter-related issues. Healthy institutions brought up by structural reforms and improving market culture are not substitutes for good policy or a wise development strategy. They are complementary. In transition economies there is no straightforward cause of relationship between structural reforms and development. At least from the record of the first decade of transition, there is no clear indication that any such relation has been set in motion yet. Since this relationship does not work automatically, it must become a direct concern of the government policy.

So far there have been only three cases of high-speed growth that deserve to be counted as front-runners. However, this situation only lasted for a while. Estonia in 1995-97 (three years) and Poland in 1994-97 (four years) were growing at an average rate of 6.3 percent. Slovakia was able to follow suit at a latter period with a 6.2 percent growth rate. All three of

these countries, as well as others working out their way to the EU, have a chance to repeat these accomplishments in the

future. It calls for good coordination of fiscal and monetary management, well-designed industrial and trade policies, and subordination of structural reforms to a pro-growth policy. It calls also for proper institutions of conflict management, i.e., the ability to manage the distributional conflicts in the society, which can emerge during a time of adjustment to external shocks or other kind of surprising events (Rodrik, 1999).

The problem is that across the region of the FSU and EE the governments tend to neglect this latter aspect of long-term growth. This occurs because governments are often advised (and they tend to follow such guidance eagerly) that further reforms, particularly full liberalization and privatization, will do the job. Later, when these reforms are unfortunately not undertaken, the postponement of structural reforms is blamed for the "unexpected" underperformance. And if there is no way to accelerate these reforms owing to political and social constraints, the external shocks are then named as an excuse for the failures vis-à-vis growth policy. From this angle the Russian financial crisis of 1998-2000 has come to the rescue of many governments in transition countries, as well as their foreign institutional and individual advisors, because it serves the purpose of a scapegoat extremely well.

The second group that advances periodically to the frontrunners will come from the less developed post-socialist economies, which literally are catching-up with their more advanced neighbors. If these countries take advantage of foreign aid, which in some cases is not negligible (e.g., in Albania and Bosnia-Herzegovina), their economies can run forward quickly. This did happen during the first decade of transition, and it will occur more often over the next decades. Bosnia-Herzegovina had an unusual, soaring rate of growth of over 40 percent on average in 1996-98, but this was due to the post-war recovery entirely financed from external sources, mainly grants. Albania in 1993-96 had an average rate of growth of 9.2 percent. In Georgia in 1996-97 GDP increased by 10.2 percent annually. Similarly in Azerbaijan, the average rate of growth was 7.9 percent in 1997-98.

However, all these semi-catching-up processes became unsustainable in the face of too weak fundamentals, poor institutions, inconsistent policies and negative external shocks. Hopefully this will change again, and this time in the right direction. Already, for the latter three countries very high rates of growth are predicted for the early 2000s and not without good reason. All of them - plus Yugoslavia recovering from the 1999 war devastation - can turn into the frontrunners for some period of time. If even this happens one more time it will not be a guarantee of fast growth for very long. This would require active policies, coordinated properly with the structural reforms and development strategy, be carried out.

For simple, computation reasons small differences vis-à-vis the rate of growth become large in the very long-term. When considering the next half century only one point of difference between 3 and 4 percent annual rates of growth adds as much as 272 percentage points on a cumulative basis. That is enough to catch up and close the large gap. For instance, if a country like Hungary starts from a current GDP of about \$5,500 (on a market exchange basis) and is able to sustain it for the next 50 years at 4 percent rate of growth, it would bring GDP up to as much as \$39,000. This is more than today's GDP of the United States. If Hungary's GDP would grow only by 3 percent over the next five decades, then in 2050 its per capital income will be "only" about \$24,000.

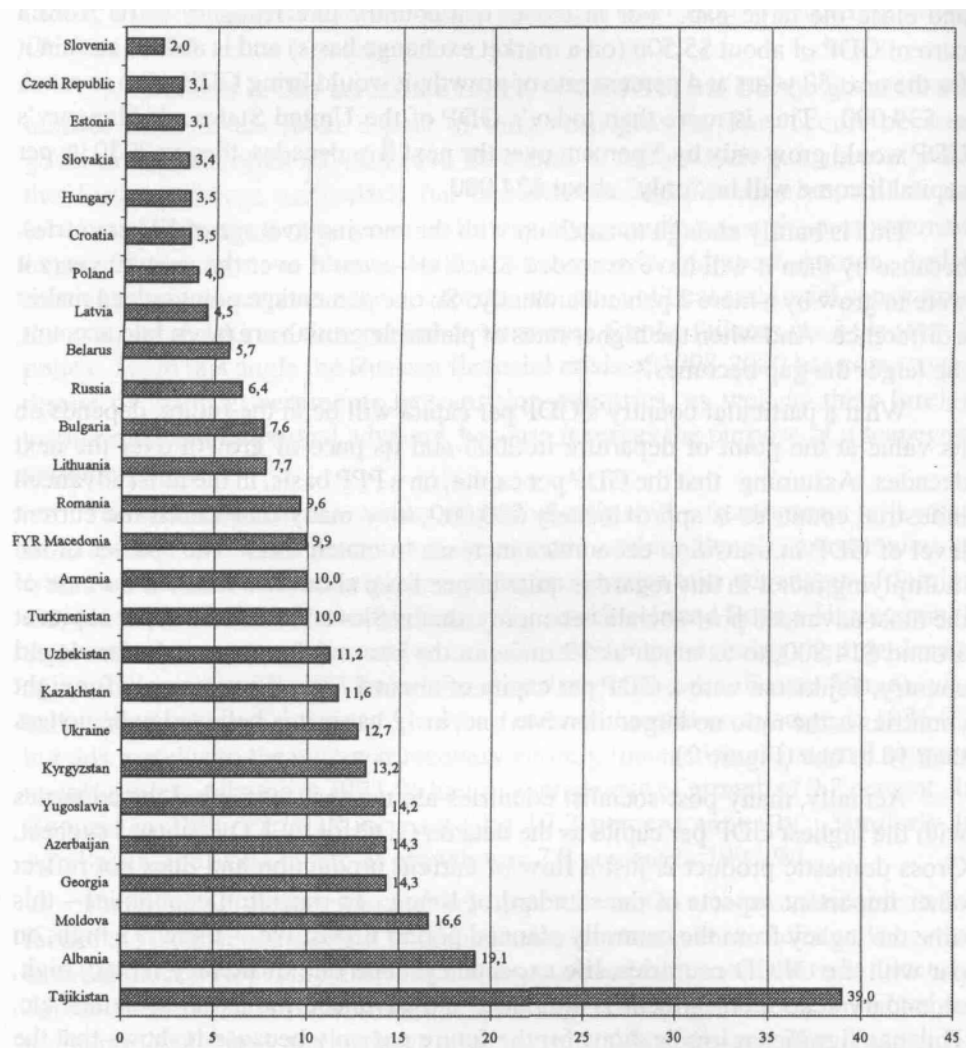
This is hardly enough to catch up with the moving average of EU countries, because by then it will have exceeded \$50,000 - even if over the next 50 years it were to grow by a mere 2 percent annually. So one percentage point indeed makes a difference. And when the higher rates of plausible growth are taken into account, the larger the gap becomes.

What a particular country's GDP per capita will be in the future, depends on its value at the point of departure in 2000 and its pace of growth over the next decades. Assuming that the GDP per capita, on a PPP basis, in the most advanced industrial countries is approximately \$30,000, how many times must the current level of GDP in transition economies increase to match this? The specter of the multiplying factor in this regard is quite large: from about two times in the case of the most advanced post-socialist economy, that is Slovenia with GDP per capita at around \$14,800, to as much as 39 times in the case of the most underdeveloped country, Tajikistan with a GDP per capita of about \$770. Whereas only for eight countries is the ratio no larger than 5 to one, in 12 cases it is believed to be no less than 10 to one (Figure 2).

Actually, many post-socialist countries are not that far behind the countries with the highest GDP per capita as the data on GDP for OECD countries suggest. Gross domestic product is just a flow of current production and does not reflect other important aspects of the standard of living. In transition economies - this time the legacy from the centrally planned period is positive - there is a high, on par with the OECD countries, life expectancy. The rate of literacy is very high, secondary school enrollment is similar to the advanced industrial societies, etc. This has significant implications for the future not only because it shows that the quality of human capital and hence the growth potential are relatively higher than other developing economies.

It also shows that if growth in terms of quantity supplied can be considered as a linear process, it is not so with socio-economic development. In future the model of development will change, and the measures of development will evolve too. They will take more account of the quality of human capital, standard of natural environment, access to culture and nature, density of urban areas and other issues that are omitted from the current GDP index. Some of the items that thus far are included, and hence suppose a rise in the standard of living in due time may be considered as an obstacle to this end. Therefore, the catching-up process may take a shorter time than can be seen through the prism of catching-up with the quantity of output.

Figure 2 Catching-up with the Developed Countries



How many times the output should rise to catch up with \$PPP 30,000 GDP per capita?

It would be more reasonable for the purpose of catching-up to sustain a stable yet relatively high rate of growth for a very long period of time, than to attempt maximization over a predetermined time period, which will approach its outer limits sooner than expected. In such a case, owing to the risks involved and the likelihood that the economy may get out of balance and consequently slow down, even if for only a couple of years, the final result may be less impressive. In other words, it is a better strategy to be the gainer all the time than to be a frontrunner for a while, but at the price of later on becoming an even-runner, or possibly a laggard.

As a consequence of all these circumstances, particular post-socialist countries will be able to catch up with the level of output of the developed world though in very different years. Of course, the latter countries are growing economies too, so catching-up should be seen as running toward a forward-moving target. Yet to get to the current level of production of the world leaders would be quite an achievement. In what year might this happen? It depends on the path of growth: will the transition economies be more like frontrunners or even-runners? The laggards, of course, do not count (Table 7).

**Table 7 Transition Countries: The Year of Catching-Up with the Developed Countries
(In U.S. dollars and calendar years)**

	GDP Per Capita	The Year of Catching-up with the GDP Per		
	in 2000	Capita of 30,000 \$PPP		
	(in 1995 \$PPP)	Front-Runner	Gainer	Even-Runner
Albania	1,569	2041	2060	2100
Armenia	3,009	2032	2047	2078
Azerbaijan	2,101	2037	2055	2090
Belarus	5,238	2024	2036	2059
Bulgaria	3,930	2028	2042	2069
Croatia	8,484	2017	2026	2042
Czech Republic	9,699	2016	2023	2038
Estonia	9,606	2016	2023	2038
FYR Macedonia	3,017	2032	2047	2077
Georgia	2,099	2037	2055	2090
Hungary	8,525	2017	2026	2042
Kazakhstan	2,576	2034	2050	2083
Kyrgyzstan	2,279	2036	2053	2087
Latvia	6,681	2021	2031	2051
Lithuania	3,872	2028	2042	2069
Moldova	1,805	2039	2058	2095
Poland	7,575	2019	2028	2047
Romania	3,124	2031	2046	2076
Russia	4,654	2026	2038	2063
Slovakia	8,707	2017	2025	2041
Slovenia	14,802	2010	2014	2024
Tajikistan	770	2051	2075	2124
Turkmenistan	3,004	2032	2047	2078
Ukraine	2,357	2035	2052	2086
Uzbekistan	2,681	2034	2048	2082
Yugoslavia	2,108	2037	2055	2090

Sources: The 2000 GDP per capita from PlanEcon 1999a and 1999b. Forecasts are the author's own calculations.

7. CONCLUSIONS

All these paths show how long is the distance to be overcome to catch up and close the development gap. This gap has widened not only during times gone by but unfortunately it has deepened even more during the last decade of the 20th century. The gap may be eliminated not in half a century, but perhaps over several centuries, if at all. Catching-up with the advanced industrial countries is not an imperative for the transition economies. It is only an option and a chance that can be taken or lost - as has happened so many times in the history of mankind.

The postsocialist countries must try to find their own path toward growth, one that will enable them to advance in the catching-up process as much as feasible. Only this will make sense out of the whole transition and turn it into its ultimate success. Such success is contingent on patience, good policies and years of hard work.

There is time to ask one more essential question: are all the foregoing analyses and conclusions correct, and especially are the forecasts reasonable, especially since they turned out to be wrong so many times in the recent post-socialist past? The answer consists of three

parts. First, there were many warnings and predictions that accurately pointed to the risks and future unpleasant occurrences, yet they were not taken sufficiently into account by the policy makers, including international organizations. Second, theoretical assumptions that the transition countries can become fast growing economies are correct, nonetheless the conditions for such a take-off were not fulfilled earlier, also due to policy failures. And third, now is the time to proceed rationally and develop policies that create the conditions, in which growth can accelerate. There are the differences and there are the risks.

One difference between then and now is that now we are supposed to know much better than at the initial stages what works in, post-socialist economies and why, and what does not work and why. Although the risk remains, the false assumption suggesting that unleashed market forces can still take over and effect the needed development programs, we should already know that this is not the case. For this reason governments' sound development strategies and the wise involvement of the international community, including official and nongovernmental organizations, must support the market forces.

A second difference between then and now is that at the onset of the new century all transition economies are already growing albeit at different rates. So the question is no longer how to stop recession and depression, but how to accelerate the rate of growth and sustain it at the highest possible level for the longest possible period. There is always the challenge of how to do it within the framework of the specific institutional arrangements and political environment of the nascent post-socialist markets and democracies. Negligence of this specificity creates the second risk.

Policies exercised during the first decade of transition to a large extent have been derived from the so-called Washington consensus, though this set of structural reforms was designed for another challenge (Williamson, 1990 and 1997). When the policies were applied to the post-socialist economies, they greatly influenced the direction of systemic reforms and the course of change (Stiglitz, 1998). However, the transition has also had a significant counter-impact. The policies have not generated the anticipated results, and this has led to a search for alternative measures (Kolodko and Nuti, 1997). As the post-socialist markets have emerged, so have fresh issues, problems, and concerns. The reactions to these concerns have differed, and new approaches have evolved. Following a number of conclusions and policy options formulated so far, another ten major policy conclusions must be put forward here.

Institutional arrangements are the most important factor in the achievement of fast and durable growth (Kolodko, 1999a). They should be established through a process directed by government (by design) rather than spontaneously (by chance). In those nations in which government has been committed to this approach, recovery has come sooner, growth has been more robust, and prospects for sustainable development are greater. Those countries in which government has relied on the spontaneous appearance of new institutions have not been able to manage this complex process adequately and are lagging behind both vis-a-vis systemic transition and in growth of the real economy. Institution-building must be a gradual process. The effects of specific inputs in this process must be constantly monitored, and policies be regularly adjusted and corrected. One should not depend on the experiences in distorted market economies, but should understand the special features of the emerging post-socialist markets. This is especially true in matters related to privatization and the development of capital markets.

As conditions change and challenges appear, policies must be revised in the future too. Consequently, the quest for a comprehensive and achievable policy consensus, which

facilitates sustained and fast growth, must be ongoing. Especially since there is the occasion to catch up. Such a chance should not be lost.

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There should be doubts about the reliability of data from this period. Even with certain errors, long-term analyses and comparisons between particular countries should be possible. However, the conclusions drawn from these analyses should be treated with caution, and they are in this paper.

In the extreme cases of both large economies, such as Russia, and small ones, such as Albania, it had happened that with an even larger private sector than in other countries (in terms of its contribution to GDP), as e.g., in Poland or Slovenia, the overall performance was much worse. Not the scope of liberalization or the range of the private sector were decisive in the changes of efficiency, but the institutional vacuum in the former countries and relatively sound arrangements and good policies in the latter.

For instance, it occurred in Poland in 1999, when GDP estimated in current dollars dropped by 2.1 percent, whereas in the real terms, when measured in terms of constant domestic currency, increased by 4.1 percent.

The issue of depreciation and appreciation will disappear from the policy agenda when certain countries join the EU and abandon their national currencies. It will be the easiest exercise in countries presently under a currency board regime, e.g., Estonia. In such case it will be done by converting from the D-mark (the denomination used under the currency board arrangements as anchor) to the euro. In the longer run, all new EU members from Eastern Europe will join the euro zone.

Of course, only the income, that is the flow. As for the standard of living, which is a function of both the flows and stocks of assets accumulated in the past, this group of countries would still be firmly below the level enjoyed by most advanced societies.

However, it is more rational to consider for the purpose of catching-up that GDP measured in terms of purchasing power parity. Therefore, in Hungary's example, the respective values would be \$57,000 and \$35,000. There are certain methodological concerns about the relevance of the data used for the purpose of these comparisons. Always the evaluation of GDP based on purchasing power parity ought to be taken with caution, and even more so as a proxy for the transition economies. It must raise some doubts if the evaluation of GDP per capita (in 1995 PPP dollars) suggests that Estonia is on the par with the Czech Republic, or that Belarus' income is almost twice as large as the Ukraine's, or that Macedonia's GDP per capita is almost 70 percent larger than Moldova's. However, these estimations are made on the same methodological grounds and are done along the lines of similar assumptions. So if there is - and for sure there is - some error in these estimations, it still allows us to rely with proper reservations, on these data.

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