

# Export Performance and External Competitiveness in the former Yugoslav Republic of Macedonia

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## Export Performance and External Competitiveness in the former Yugoslav Republic of Macedonia

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## Abstract

**This Working Paper should not be reported as representing the views of the IMF.** The views expressed in this Working Paper are those of the author(s) and do not necessarily represent those of the IMF or IMF policy. Working Papers describe research in progress by the author(s) and are published to elicit comments and further debate.

This paper reviews a broad set of indicators of competitiveness in the Macedonian economy and estimates the equilibrium real effective exchange rate (REER) using different methodologies. Although the REER is broadly in equilibrium at present, structural factors are found to hamper competitiveness. While a more competitive exchange rate might improve short-term export performance, sustained improvements require enhanced productivity and resource reallocation to more dynamic sectors, which depends on reforms to improve the business environment.

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### I. INTRODUCTION

Sustaining faster growth and reducing unemployment in a small open economy like the former Yugoslav Republic of Macedonia depends on improving export performance. Improving export performance can also help preserve macroeconomic stability by closing the current account gap to avoid losing reserves and to contain the growth of external debt.

Improving export performance requires enhancing competitiveness. In the short run, competitiveness can be associated with the level of the real exchange rate that ensures both internal and external balance, known as the fundamental equilibrium exchange rate (FEER). In the long run, the real exchange rate is supposed to converge to its equilibrium level, and competitiveness is more related to the productivity of the economy. The two concepts of competitiveness can be referred to as "price competitiveness" and "structural competitiveness."<sup>2</sup>

This paper concludes that while the level of price competitiveness is broadly appropriate at present, FYR Macedonia faces important structural competitiveness problems. The paper is organized as follows: Section II describes the trends in the current account balance and external vulnerabilities; Section III analyzes export performance; Section IV uses different approaches to estimate the equilibrium real exchange rate, and so to assess competitiveness; Section V presents conclusions.

## II. CURRENT ACCOUNT BALANCE AND EXTERNAL VULNERABILITIES

Large and persistent current account deficits in FYR Macedonia have pointed to a competitiveness problem, although recent improvements have eased these concerns. During1995-2004, the current account deficit averaged 6.3 percent of GDP (Figure 1). In the first half of this period, the average trade deficit was close to 13 percent of GDP. In the second half, the increase in private transfers fueled imports, and the trade balance deteriorated to 19 percent of GDP. While exports increased by 4 percent of GDP during 2000-04, imports increased by almost 10 percent of GDP. In 2005, the current account deficit fell sharply, to 1.3 percent of GDP, despite the 40 percent increase in private transfers and higher oil prices. The strong, broad-based export growth and moderation in import growth in 2005 suggest an improvement in competitiveness.

As a result of the large current account deficits, external vulnerabilities have increased during the past ten years, although external debt levels remain manageable. During 1995-2004, the sharp increase in external debt is explained by the large current account deficits and the need to

<sup>&</sup>lt;sup>2</sup> Competitiveness is an elusive concept, with many definitions in the economic literature. One of the most straightforward, used by the World Economic Forum, equates competitiveness with the ability of a country to achieve sustained high rates of growth in GDP per capita. A similar but more detailed definition, supplied by the OECD, is that competitiveness is the degree to which a nation can, under free trade and fair market conditions, produce goods and services that meet the test of international markets, while simultaneously maintaining and expanding the real incomes of its people over the long-term.

accumulate reserves (Figure 1). The political crisis of 2001 dried up external financing, and the large current account deficits caused a steady decline in the reserve coverage ratio. While capital inflows recovered from 2004 onward, the decline in the coverage ratio was only reversed in 2005, due to the sizable improvement in the current account deficit.



Sources: National Bank of the Republic of Macedonia (MBRM); and IMF staff estimates. 1/ External debt as percent of GDP. Reserve coverage in months of imports of goods and services. Data for 2005 exclude the effects of Eurobond issuance. The political crisis of 2001 worsened export performance and growth. During 1995-2000, the average growth of exports (9.5 percent) raised the share of exports in GDP from 32 to 46 percent (Figure 2). However, the political crisis of 2001 resulted in a severe contraction in output and exports that lasted until 2004. Only in 2005 did the export share of GDP return to its pre-crisis level.



Figure 2. Export Growth and Exports, 1995-2002

Exports of iron and steel and "other" exports are the main drivers of the recent improvement in export performance. Macedonian exports are highly concentrated. Exports of iron and steel, textiles, and food, beverages and tobacco account for about 60 percent of the total. During the 2001 crisis, exports fell in all sectors (except for textiles). The reopening of a large steel factory in 2004 and the removal of protectionist barriers in Serbia to imports of certain refined oil products in 2005 explain the recovery in the iron and steel sector and in "other" exports.

Nevertheless, unlike most other countries in the region, the FYR of Macedonia has lost market share in world imports since 1995, and especially in the US market (Figure 3). While there has been an improvement since 2004, export shares have yet to reach their 1995 levels.

Detailed analysis of Macedonian manufacturing exports suggests that the loss of competitiveness is to a large extent due to patterns of specialization. Using export data from the Comtrade database (3 digit sector level) we looked at the evolution of the market share of Macedonian exports in the 15 largest manufacturing sectors—accounting for 80 percent of Macedonian manufacturing exports in 2005— during 1995-2004. We compared this with the evolution of the share of these sectors in world total manufacturing exports (Figure 4).



Figure 3. Export Market Shares (in percent)

The sectors in the bottom two quadrants are those whose share in total world exports of manufactures has declined. The sectors in the two right quadrants are those where FYR Macedonia's export share has increased. Figure 4 indicates that the share of Macedonian exports has increased in most of the main manufacturing sectors in which the economy is specialized. However, these are sectors with a declining share in world manufacturing trade, and this explains why FYR Macedonia's exports have also declined as a share of world exports.



## Figure 4. Share of Manufacturing Exports

#### **IV. Assessing Competitiveness**

#### A. Indicators of Wage and Cost Competitiveness

Although data heterogeneity makes cross-country comparisons difficult, wages in FYR Macedonia appear higher than in other Balkan countries. Wage costs in manufacturing

are higher in FYR Macedonia than in other

productivity differentials might explain to some

extent cross-country variations in wages, wage

Bulgaria, and about 40 percent higher than in

Serbia. Only Croatia has higher wage costs than

countries in the region (Figure 5). While

costs in Macedonia are twice as high as in

FYR Macedonia.

(Euros) 900 Croatia 1/ 800 FYR Macedonia 700 600 Montenegrc Serbia and Romania 500 400 300 200 100 Sources: ILO and World Bank 1/ Data for Croatia is for 2004.

In contrast, real effective exchange rate (REER) indicators show that price competitiveness has improved in the last decade. Though the 1997 devaluation resulted in a sharp real depreciation, it did not noticeably affect the average current account deficit—in the absence of negative terms of trade shocks—or stop the decline in export shares (Figure 6).



Figure 6. Exchange Rate Indicators, 1995-2006 (2000q1=100) 1/



1995q1 1995q4 1996q3 1997q2 1998q1 1998q4 1999q3 2000q2 2001q1 2001q4 2002q3 2003q2 2004q1 2004q4 2005q3

Sources: Eurostat; IMF International Financial Statistics (IFS), and IMF staff calculations.

1/ Trade weights based on 1999-2001 data for exports and imports of goods. Partner countries comprise: Austria, Bulgaria, Croatia, France, Germany, Greece, Italy, Netherlands, Russia, Serbia and Montenegro, Slovenia, Switzerland, Turkey, United Kingdom, and United States.

After the devaluation, the real exchange rate appreciated mostly due to the substantial depreciation of the Serbian dinar. However, relative prices have since declined because—unlike most transition economies—sustained appreciation due to Balassa-Samuelson effects has not materialized, and the real exchange rate is again close to its post-devaluation levels.<sup>3</sup> The unit labor cost measure of the real exchange rate shows a considerable improvement due to the decline in relative unit costs in manufacturing, where productivity gains have outpaced wage increases.

## B. Estimates of the Equilibrium Real Effective Exchange Rate

Estimates of the equilibrium real effective exchange rate (EREER) tend to be quite sensitive to the methodology used, and are particularly challenging in transition economies due to data limitations. This paper tries to answer the question of whether the REER is in line with macroeconomic fundamentals through using three different methodologies: the purchasing power parity approach (PPP), the macroeconomic balance approach, and the behavioral equilibrium exchange rate (BEER) approach.

#### **Purchasing Power Parity Approach**

This first approach indicates that the exchange rate in FYR Macedonia is undervalued with respect to its PPP level. The exchange rate index calculated on a PPP basis—measured as the ratio of the domestic price level to international prices—is currently below what would be predicted given FYR Macedonia's relative income.



Figure 7. Selected Countries: Exchange Rates and Relative GDP, 2003 & 2005 1/

Sources: IMF, *World Economic Outlook (WEO)*; and staff calculations. 1/ Line derived from a regression of PPP exchange rates (domestic prices relative to US prices) and real GDP per capita, in PPP terms, for 179 countries, based on 2005 data.

<sup>&</sup>lt;sup>3</sup> For a discussion of Balassa-Samuelson effects in FYR Macedonia see Loko and Thuladhar (2005).

#### **Macroeconomic Balance Approach**

This approach estimates the REER that simultaneously achieves internal and external balance. To this end, the fundamental equilibrium exchange rate (FEER) is defined as the exchange rate that will equate the current account to the structural savings/investment balance in the medium term. The estimation process involves three main steps: (i) estimating the underlying current account, which is the actual current account adjusted for existing output gaps (both domestic and foreign) and for lagged effects of past real exchange rate movements; (ii) estimating the medium-term domestic savings and investment relation based on economic fundamentals (the structural current account); and (iii) calculating the exchange rate that would bring the underlying current account to the level of the structural current account (i.e the FEER).

## The Underlying Current Account

We estimated the underlying current account using the methodology and equations estimated by Isard and others (2001) for the volumes of non-oil exports and imports:

$$\Delta Q_X = 1.9 \Delta A^f - 0.71 * [0.3 \Delta R + 0.35 \Delta R_{-1} + 0.15 \Delta R_{-2} + 0.1 \Delta R_{-3} + 0.05 \Delta R_{-4} + .005 \Delta R_{-5}]$$
  
$$\Delta Q_M = 2.1 \Delta A + 0.92 * [0.3 \Delta R + 0.35 \Delta R_{-1} + 0.15 \Delta R_{-2} + 0.1 \Delta R_{-3} + 0.05 \Delta R_{-4} + .005 \Delta R_{-5}]$$

where  $Q_x$  and  $Q_M$  denote the logarithms of export and import volumes, A and A<sup>f</sup> denote the logarithms of domestic and foreign real absorption (a trade weighted average), R is the logarithm of the real effective exchange rate, and the  $\Delta$  terms represent annual changes.

Using the equations above we estimate that the Macedonian underlying current account ranges between 0 and -3.1 percent, depending on the treatment of private transfers as current account or capital account transactions (Table 1).<sup>4</sup> The exchange rate is assumed to remain at prevailing levels. *World Economic Outlook* (WEO) projections were used for the six-year ahead values of real absorption for FYR Macedonia and its trading partners.

Current Account Balance (2005)	-1.3	-1.3
Adjustments	1.3	-1.7
Private Transfers	0.0	-3.0
Trade Response to Output Gaps	-1.8	-1.8
Trade Response to past REER depreciation	3.1	3.1
Underlying Current Account	0.0	-3.1

Table 1. Estimation of the	Underlying Current Account
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<sup>&</sup>lt;sup>4</sup> The assumption is that in 2005 (when the cash exchange component of the recorded private transfers grew dramatically) the part representing transfers from migrants grew in line with remittances: the remainder is assumed to be capital account.

#### The Structural Current Account

To estimate the structural current account we used the equation of Chinn and Hito (2005) for a panel of developing countries, excluding Africa. The average current account balance (over a five year period) is related to the government balance, the country's net foreign asset position, relative per capita income, demographic variables affecting the savings rate (relative to the mean across all countries), the degree of financial development (measured as credit to the private sector), volatility of the terms of trade, average GDP growth, the degree of openness (measured as gross external trade as a share of GDP), a dummy indicating whether the country is an oil exporter or not, and time dummies (Table 2).

Macroeconomic Determinants	Coefficients	Standard Errors
Government budget balance (share of GDP)	0.22	[0.08]***
NFA as share of GDP	0.06	[0.08]***
Relative income	-0.01	[0.07]
Relative income squared	0.01	[0.11]
Relative dependency ratio (young)	-0.03	[0.014]**
Relative dependency ratio (old)	-0.01	[0.012]
Financial deepening	-0.01	[0.007]
Terms of Trade volatility	-0.03	[0.03]
Average GDP growth	0.33	[0.23]
Trade openness	0.01	[0.01]
Dummy for Oil exporting countries	0.03	[0.01]***
Dummy 1980	0.01	[0.01]
Dummy 1985	0.00	[0.01]
Dummy 1990	0.03	[0.01]***
Dummy 1995	0.01	[0.01]
Dummy 2000	0.03	[0.01]***
Dummy 2003	0.05	[0.01]***
Constant	-0.03	[0.02]*

Table 2. Estimation of the Structural Current Account

Source: Chinn and Hito (2005).

\* significant at 10%; \*\* significant at 5%; \*\*\* significant at 1%

Substituting the values for FYR Macedonia into this equation, we estimate that the structural current account balance is about -2 percent of GDP.<sup>5</sup> The values for FYR Macedonia were obtained from different sources. The government balance was calculated by staff adjusting for

<sup>&</sup>lt;sup>5</sup> Similar results were obtained with an unpublished equation estimated by staff at the IMF Research Department.

central bank recapitalization expenditures. The net foreign asset position was obtained from Lane and Milesi-Ferreti (2006). The rest of the variables were obtained from WEO, IFS, and the World Bank Population Statistics. The constant plus the time dummy for 2003 indicates that the structural current account balance for a developing country should be around 2 percent of GDP excluding the effect of macroeconomic determinants. For the case of FYR Macedonia, the relatively large share of young and old population, and the net foreign asset position are the main factors explaining the estimated 2 percent structural current account deficit.

## The Fundamental Equilibrium Exchange Rate

Given the elasticities to exchange rate movements in the equations for the volumes of exports and imports estimated by Isard and others. (2001), to bring the underlying current account in line with the structural current account the real exchange rate would have to depreciate at most by 4 percent. Since this is modest and within the margin of error, this suggests that the real exchange rate is broadly in line with fundamentals.

## Behavioral Equilibrium Exchange Rate Approach

This approach estimates the EREER by identifying structural determinants using an exchange rate model. The framework adopted in this paper is similar to that proposed by MacDonald and Clark (1999). The starting point is the real interest rate parity condition, where the change in the real exchange rate (q) is equal to the real interest rate (r) differential plus a risk premium ( $\rho$ ). This parity condition can be expressed as:

$$q_t = q_{t+k}^e + (r_t - r_t^*) + \rho_t$$

The future expected real exchange rate can be interpreted as the long-run component of the real exchange rate, which encompasses the effect of the main underlying variables:

- A country with a relatively high ratio of net foreign assets to GDP (NFA) has higher wealth, a higher price of nontradables, and thus a more appreciated domestic currency. In addition, higher NFA means that a country can sustain a worsening current account resulting from a loss in competitiveness of an overvalued real exchange rate (Lane and Milesi-Ferretti, 2000). Both effects imply that a higher NFA is related to a more appreciated domestic currency.
- The relative price of traded to non-traded goods encompasses various effects on the real exchange rate. First, less developed economies tend to experience productivity improvements in the tradable sector as they converge toward more advanced economies (Balassa-Samuelson effect). As productivity increases, wages and prices of nontradable goods will tend to increase relative to those of trading partners; thus, the domestic currency will tend to appreciate in real terms. Second, a more open trade regime (i.e., fewer trade restrictions) will tend to lower the domestic price of tradable goods, and will

lead to a real depreciation of the domestic currency. Third, a deterioration in the fiscal stance, resulting from an increase in government expenditure, will tend to raise the relative price of nontradables (i.e. an appreciation of the real exchange rate), since a large share of government expenditure is on nontradables.

• An improvement in the terms of trade tends to increase the country's wealth, its domestic demand, and nontradables prices, with a real appreciation of the domestic currency (wealth effect). On the other hand, higher nontradables prices may shift domestic demand toward imported goods (substitution effect), which tends to offset the wealth effect. As pointed out by MacDonald and Ricci (2003), empirical studies have failed to establish a robust link between the terms of trade and the real exchange rate, probably because of the noise introduced in the measurement of country-specific import and export deflators. On the other hand, recent studies (see for example, Cashin, Cespedes and Sahay, 2002) have found a strong relation between the real exchange rate and the price of commodity exports, perhaps because of the more accurate measurement of commodity prices.

As suggested by MacDonald and Ricci (2003), real interest rate differentials capture three different effects—aggregate demand changes, productivity changes, and persistently tight monetary policy—leading to domestic currency appreciation. First, higher interest rates relative to other countries are associated with an increase in absorption, higher nontradable prices, and a real appreciation. Second, an increased productivity of capital would result in capital inflows and an appreciation of the domestic currency. Third, a tight monetary policy, in the presence of price rigidities, would lead to a domestic currency appreciation. There is no hard rule on whether to include the interest rate differential as part of the long-run component or, instead, as part of the short-run exchange rate dynamics. Both effects could be present.

Figure 8 shows the REER index for the period 1995:Q1 - 2005:Q4 and its long-run determinants. Overall, the real exchange rate has depreciated over the period. During 1995-97 there was a significant real depreciation culminating with the 1997 devaluation. Subsequently, the REER appreciates, mostly due to the depreciation of the Serbian dinar. Moderate inflation compared with trade partners explains the depreciation trend since end-2000. Over the same period, Macedonian real GDP per capita has declined relative to the main trading partners, a trend that started to reverse in the past three years due to increased GDP growth. The NFA of the domestic banking system has continuously increased as a share of GDP, and the economy has become more open. The terms of trade have been quite volatile, as well as the real interest rate differential vis-à-vis the EU. Unfortunately, these variables are available only since 1998. Due to this limitation, and to abstract from the possible break introduced by the 1997 devaluation, the analysis was conducted for the full period, as well as for the period 1998-2005.



Figure 8. Real Effective Exchange Rate and Its Long-Run Determinants, 1995-2005

Sources: NBRM; and IMF staff estimates.

We used a vector error correction framework (VECM), employing the maximum likelihood estimator of Johansen to estimate a long-run (cointegration) relationship between the exchange rate and macroeconomic fundamentals. An important advantage over single-equation methods (such as the Engle-Granger method) is that this approach accounts for simultaneity and autocorrelation of the endogenous variables. The VECM also permits the inclusion of additional exogenous variables that may help explain the short-run behavior of the real exchange rate.

$$\Delta Z_{t} = \delta + \Gamma Z_{t-1} + \sum_{i=1}^{p-1} \rho_{i} \Delta Z_{t-i} + \sum_{i=0}^{n} \gamma_{i} \Delta X_{t-i} + \varepsilon_{t}$$

The vector Z includes the real effective exchange rate as well as its macroeconomic determinants, while the vector X includes the exogenous variables.  $\Gamma$  is a (nxn) matrix of coefficients whose rank determines the number of cointegrating vectors. If  $\Gamma$  is of reduced rank r (with r < n), then  $\Gamma$  can be expressed as  $\Gamma = \alpha\beta$ ' where  $\beta$  is the matrix with r linearly independent cointegrating vectors, and  $\alpha$  is a matrix with the speed of adjustment coefficients to the long-run equilibrium. The coefficients  $\rho$  and  $\gamma$  capture the short-run elasticities of the endogenous and exogenous variables, respectively.

The implementation of the VECM framework requires the series to be cointegrated. Therefore, our limited sample size warrants some caution in the interpretation of the econometric results. Prior to the cointegration analysis, the Augmented Dickey-Fuller test was applied to each time series, in each case failing to reject the null hypothesis of a unit-root, independent of the period considered (although marginally so in the case of the real interest rate differential). To analyze cointegration, the Johansen maximum likelihood method is applied to the set of endogenous variables, *Z*. The trace test and the maximum-eigenvalue test always found evidence of at least one cointegration relationship.

Different VECM specifications were estimated. We found that the terms of trade (TOT) and the NFA were not significant determinants of the REER, and given the short data sample, we eliminated the variables to avoid losing degrees of freedom. Table 3 includes the estimation results of the preferred specification for the different samples.

In line with economic theory, higher government consumption and productivity gains are assumed to appreciate the equilibrium real exchange rate, while increased openness tends to depreciate it. Using Hodrick-Prescott filters of these fundamental determinants of the REER as proxies for their equilibrium values, we estimated the equilibrium real exchange rate for FYR Macedonia for the different samples. Increased openness, the decline in government consumption and, in particular, movements in relative productivity explain the trend decline in the real exchange rate. If relative productivity had remained at 1994 levels, the equilibrium REER would be now 15 percent higher than the current estimated value. Fiscal consolidation and the increase in openness have depreciated the equilibrium real effective exchange rate by 3 percent and 2.5 percent respectively. The results indicate that the 1997 devaluation created a real undervaluation, but the subsequent appreciation raised the REER back above its equilibrium value during 2000-01. During 2002-04 the REER is broadly in equilibrium, and it seems that by the end of 2005 the REER is slightly undervalued (Figure 9).

	1995q3-2005q4	1998q3-2005q4
Cointegrating vector		
FISC(-1)	0.02 [-5.3]	0.01 [-4.6]
RGDPPC(-1)	2.74 [-9.3]	1.98 [-7.6]
OPEN(-1)	-0.01 [ 8.4]	0.00 [ 5.7]
С	3.68	4.02
Error correction:		
α	-0.29 [-2.4]	-0.41 [-2.4]
Short-run dynamics		
D(REER(-1))	0.13 [ 0.9]	0.19 [ 1.0]
D(REER(-2))		0.02 [ 0.1]
D(FISC(-1))	0.00 [-0.7]	0.00 [-1.1]
D(FISC(-2))		0.00 [-1.5]
D(LRRGDPPC(-1))	-0.10 [-0.3]	-0.53 [-1.3]
D(RRGDPPC(-2))		-0.45 [-1.5]
D(OPEN(-1))	0.00 [ 0.3]	0.00 [ 2.0]
D(OPEN(-2))		0.00 [ 2.8]
Exogenous variables		
RIRR_EU		0.00 [-0.4]

Table 3. REER VECM Estimates

T-Statistics in brackets.



## Figure 9. Econometric Estimates of the Equilibrium REER

While the estimation suggests that price competitiveness is broadly appropriate, survey-based indicators reveal structural impediments to external competitiveness. FYR Macedonia's low rankings in the World Bank Business Environment database show difficulties in starting and closing a business, enforcing contracts, and hiring and firing workers relative to other countries in the region (Table 4). In addition, the evolution of the ranking indicates that the structural reforms undertaken have yet to improve competitiveness in a meaningful way. According to the World Economic Forum, FYR Macedonia is among the less competitive countries in the region (Table 5).

	Bulgaria	Romania	Macedonia	Bosnia	Albania	Croatia	Serbia
Overall (doing business)	62	78	81	87	117	118	92
Starting a Business	80	8	114	123	108	103	35
Dealing with Licenses	118	86	64	141	131	148	130
Hiring and Firing	90	149	123	95	127	109	61
Registering Property	62	114	73	132	66	99	103
Getting Credit	46	74	53	9	41	131	99
Protecting Investors	54	44	30	77	136	135	45
Paying Taxes	78	116	58	46	132	85	74
Trading Across Borders	45	72	96	122	100	109	123
Enforcing Contracts	79	65	111	72	113	43	110
Closing a Business	56	102	109	58	73	66	90

Table 4. Selected Countries Rankings in the Business Environment Database (2005)

Source: World Bank.

	Ranking in	Ranking in
	2005	2003
Bulgaria	58	64
Croatia	62	53
Romania	67	75
Serbia	80	77
Macedonia	85	81
Bosnia	95	n.a.
Albania	100	n.a.

#### Table 5. Global Competitiveness Index

Source: WEF.





### V. CONCLUSIONS AND POLICY IMPLICATIONS

The analysis in this paper suggests that price competitiveness is broadly appropriate at present, but structural factors are major impediments to future improvements. The real exchange rate has depreciated steadily and, compared with countries with similar incomes, the Macedonian price level is low. Although estimating the equilibrium real exchange rate is challenging, particularly for transition economies because of data constraints, staff estimates indicate that currently the exchange rate is broadly in line with macroeconomic fundamentals. In contrast, direct wage comparisons across countries suggest a cost competitiveness problem, though data heterogeneity makes comparisons difficult. Macedonian manufacturers have succeeded in maintaining or increasing their share in exports. However, specialization in sectors with low value added and a declining share in total global trade has resulted in a decline in total export share, pointing to a structural competitiveness problem.

While a more competitive exchange rate might improve short-term export performance, sustained improvements require enhanced productivity and resource reallocation to more dynamic sectors, which depends on reforms to improve the business environment. Contrary to the experience in most transition economies, productivity in FYR Macedonia has declined in the past decade vis-à-vis trading partners, although this trend has started to reverse, improving competitiveness. To sustain and increase market shares, specialization in sectors with higher value added and increasing world demand will be necessary. Foreign direct investment and domestic private investment are key to achieving the necessary economic transformation, but boosting investment will depend on the successful implementation of structural reforms aimed at improving the business environment.

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