

Monthly Report

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Agriculture in transition countries: robust expansion backed by investment and bumper harvests

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Abstract

Thanks to good harvests and rising investment, agricultural production increased in all CEECs¹ as well as in Russia and Ukraine in 2001. The growth of production coincided with a slowdown in the development of international agro-trade, triggered by contagious animal diseases and increasing non-tariff trade barriers. The 2001 aggregate deficit in CEEC-6 agro-trade was close to EUR 0.6 billion and thus more or less equal to that in 2000. With an import surplus of more than USD 7 billion,

Czech Republic

Agricultural reforms coupled with shrinking support have resulted in a significant reduction of the importance of farming, to the lowest level (in terms of share in GDP) among the CEECs and comparable to that in EU countries. The Czech administration has followed a quite liberal agricultural policy aimed at low support and rising market orientation. Price regulations (concerning mostly bread-wheat and milk), trade barriers and export subsidies (largely for dairies, beef and barley malt) remain important elements of market price support. Direct payments to farmers have

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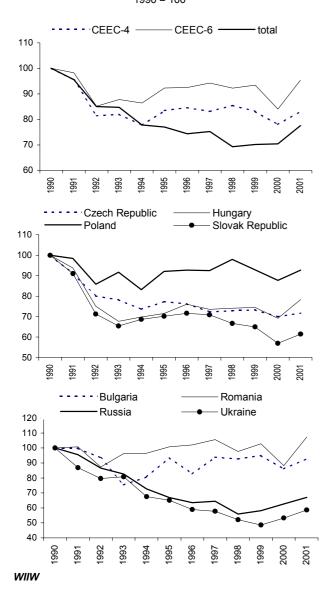
Russia reconfirmed its role as one of the world's biggest net importers of agro-food products. Ukraine traditionally records a surplus in agro-food trade, and the 2001 result was especially favourable. The agricultural policy of the CEECs is characterized by efforts to adjust to the rules of the EU's common agricultural policy. Nevertheless, progress in the accession negotiations is slower than originally scheduled. Agriculture is one of the reasons for the delay.

CEECs: the Central and East European countries. In the following we distinguish between the CEEC-4, denoting the Czech Republic, Hungary, Poland and Slovakia, and the CEEC-6, comprising the CEEC-4 plus Bulgaria and Romania. See also Tables 1 and 2 and Figure 1.

Pigure 1

Development of gross agricultural production

1990 = 100



aimed at area and headage payments focused on landscape maintenance, organic agriculture and extensive cattle breeding. Credit subsidies, guarantees on loans and fuel tax refunds are additional support measures. With the EU accession in mind, in 2001 the Czech authorities fixed new quotas for national sugar production (those quotas had been introduced in 2000) and launched a system of milk production quotas — which both, however, have been higher than those suggested by the European Commission. After massive cuts (by two thirds) at the beginning of the 1990s, total support for farming measured in terms

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of PSE² rose marginally in 2001, by 1 percentage point to 17%. Total support for farming accounts for 1.2% of GDP, just below the OECD average.

Following a 7% drop in 2000, the grain harvest was up 14% and reached 7.3 million tonnes in 2001, the highest result in the past decade. As domestic grain consumption is around 6.4 million t, the grain surplus (mostly wheat) was exported or stockpiled. Altogether, total crop production rose by 5.2% in 2001. Following a rise in livestock inventories in 2000, stocks of cattle, pigs and laying-hens dropped last year. Only stocks of sheep and poultry increased. Near-stagnation in milk output was accompanied by slightly rising cow productivity. Production of eggs increased slightly especially in the first half of 2001, while that of cattle and pigs was nearly stagnant. Backed by higher poultry stocks, the output of poultry meat rose by 7%. In sum, the expanded crop production coupled with nearly stagnating animal output resulted in 2.5% growth of total agricultural production in 2001. Considering also the rising labour productivity, the economic situation in farming has somewhat improved.

The 2001 subsidies for agro-food exports, though doubling, remained within the limits of the WTO commitments. With both agro-food exports and imports rising by some 6% in 2001, the traditional agro-food deficit rose marginally, from EUR 494 million in 2000 to EUR 571 million last year.

While the Czech Republic has followed a path of liberalization and market orientation, with a low degree of support and protection of farming, it has recently also introduced a number of market measures that are going in the opposite direction. In the course of the ongoing preparations for

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Producer Support Estimate (PSE) is defined as the ratio of direct and indirect subsidies to the value of gross farm receipts valued at farm gate prices. The Producer Support Estimate excludes some measures formerly included in the General Services category (such as research and development, marketing and promotion) which was part of the earlier measurement, Producer Subsidy Equivalent.

Table 1

Selected indicators in agriculture

average annual rate of change in %

Agric	cultural land in 1000 ha			Gross	agricultu	ıral prod	uction			Crop prod	Animal uction
	2000	1986-90	1991-95	1996-01	1997	1998	1999	2000	2001 ¹⁾	2001 ¹⁾	2001 ¹⁾
		(p.a.)	(p.a.)	(p.a.)							
Czech Republic	4280	0.4	-5.0	-1.2	-5.1	0.7	0.6	-4.5	2.5	5.2	0.3
Hungary	5854	-0.4	-6.5	1.5	-3.3	0.7	0.5	-7.1	13.2	24.6	0.9
Poland	18413	0.6	-1.6	0.1	-0.2	5.9	-5.2	-5.6	5.7	8.6	2.5
Slovak Republic	2441	0.3	-6.8	-2.2	-1.0	-5.9	-2.5	-12.3	7.8	17.6	1.4
CEEC-4	30988	0.3	-3.6	-0.1	-1.8	2.9	-2.7	-6.2	6.6	11.6	1.7
Bulgaria	6252	0.1	-1.3	-0.1	13.4	-1.3	2.5	-9.5	8 2)	19 ²⁾	2 2)
Romania	14857	-3.5	0.2	1.1	3.4	-7.5	5.2	-14.2	21.7	35.2	-0.3
CEEC-6	52097	-1.4	-1.7	0.4	1.9	-2.1	1.3	-10.1	13.5	22.9	0.8
Russia	197000	1.3	-7.7	0.0	1.5	-13.2	4.1	7.7	6.8	10.3	2.6
Ukraine	41827	0.8	-8.2	-1.7	-1.9	-9.8	-6.9	9.8	9.9	13.2	5.2
Whole region	290924	0.1	-5.2	-0.1	1.2	-8.0	1.4	0.4	10.1	16.1	2.2
Notes: 1) Prelimina	ry 2) WIIW e	stimate.									

Source: WIIW Database incorporating national statistics

EU membership, this dichotomy will be present also in the coming years.

Hungary

policy in Hungary Agricultural has heen characterized by low and declining levels of support, in anticipation of the country's entry into the EU. Market regulation, export subsidies and area-based direct payments (though considerably lower levels than in the EU) are still important. Market regulation policies rely mainly on a system of institutional prices, coupled with public procurements, maintenance of buffer-stocks and export subsidies. No substantial change occurred in agricultural policy last year. Guaranteed prices are applied to bread-wheat, feed maize, beef, veal, pork and milk. Area payments are granted to farms and are regressive in favour of the smallest farms.

The bulk of agricultural support is provided by payments based on input use. Altogether, agricultural support measured in terms of PSE dropped by 8 percentage points to 12% in 2001. Total support to agriculture dropped from 2.5% to 1.4% of GDP, which is close to the OECD average. In November 2001 the government finalized an agricultural support package for 2002 which envisages a similar support level as in 2001.

Thanks to favourable weather, crop production was up 24.6% in 2001. The grain harvest rose by as much as 49% and reached 14.9 million tonnes. Harvests of sugar beet, sunflower seeds, wine grapes and vegetables also registered substantial increases. Only the production of fruits and potatoes declined last year. As grain production exceeded domestic consumption, the grain surplus, especially of maize, expanded substantially and domestic market prices fell. Excess supply also occurred in the grape and wine sector. Inventories of poultry were on the rise, while those of cattle and pigs were slightly falling. The shift in consumers'

Table 2

Grain production

million tonnes

	1986-90 anr	1991-95 nual avera	1996-01 ge	1995	1996	1997	1998	1999	2000	2001 13	change
											in %
Czech Republic	7.8	6.9	6.8	6.6	6.6	7.0	6.7	6.9	6.5	7.3	14
Hungary	14.3	11.5	12.5	11.3	11.3	14.1	13.0	11.4	10.0	14.9	49
Poland	26.1	23.8	25.5	25.9	25.3	25.4	27.2	25.8	22.3	27.0	21
Slovak Republic	4.0	3.6	3.1	3.5	3.3	3.7	3.5	2.8	2.2	3.0	37
CEEC-4	52.2	45.7	47.9	47.3	46.6	50.2	50.3	46.9	41.0	52.3	27
Bulgaria	8.4	6.9	4.9	6.6	3.4	6.2	5.4	5.2	4.4	5.1	17
Romania	18.3	17.0	16.4	19.9	14.2	22.1	15.5	17.0	10.5	18.9	80
CEEC-6	78.9	69.6	69.2	73.7	64.2	78.5	71.2	69.1	55.9	76.2	36
Russia	104.3	87.9	68.5	63.4	69.3	88.6	47.9	54.7	65.5	85.0	30
Ukraine	47.4	38.5	28.7	33.9	24.6	35.5	26.5	24.6	24.5	39.7	62

Note: 1) Preliminary.

Source: WIIW Database incorporating national statistics.

choice from beef and pork to poultry made poultry breeding the winner of the meat sector: poultry population and procurement rose by 12% and 14% respectively. Despite the decreasing number of cows, milk output expanded somewhat, indicating rising cow productivity. Backed by rising stocks of laying hens, egg production was up 4%. As the expansion in the poultry sector was not able to offset the decline in beef and pork production, total animal output rose by a mere 0.9%. Altogether, gross agricultural production increased by 13.2% in 2001.

For many years Hungary has registered an average annual surplus in agricultural trade of over EUR 1 billion. As a result of the considerable output expansion, agro-food exports rose by 19% to EUR 2.6 billion in 2001, in particular due to stepped-up exports of grain, dairies and eggs. Agro-food imports rose by 15%; here the increase was mainly due to higher imports of processed meat and sugar products. As a result, the agro-food trade surplus rose by EUR 260 million and

reached EUR 1.5 billion. Until the end of the 1980s the Former Soviet Union (FSU) used to be the most important outlet for Hungarian agro-food exports. In the 1990s a shift towards the EU occurred, which now accounts for half of Hungary's agro-food exports. Meanwhile the recently increasing EU non-tariff barriers have negatively affected Hungarian exports. As a result, Hungary is again paying more attention to the Russian markets.

The agricultural trade agreement between Hungary and the EU (in effect since 1 July 2000) targets at further liberalization of agro-food trade in line with the so-called 'double zero' rule. Last year negotiations continued and focused on the gradual removal of export subsidies and import duties. In this context Hungary agreed to phase out subsidies on pork and poultry exports to the EU by the time of joining the EU. Furthermore, Hungary is gradually harmonizing its agricultural institutions and phytosanitary and veterinary standards with those in the EU.

Table 3

Evaluation of support, 1992-2001

Percentage share of PSE

	1992	1997	1998	1999	2000	2001 ¹⁾
Czech Republic	32	6	23	24	16	17
Hungary	18	6	19	23	20	12
Poland	1	12	22	19	7	10
Slovakia	30	11	31	25	23	11
Bulgaria	-45	-10	2	-2	1	3
Romania	8	3	30	20	19	24
Russia	-94	30	19	4	8	10
Mater 4) Descriptional						

Note: 1) Provisional.

Source: OECD (2002).

Poland

Poland's traditional small-scale farming responsible for the country's weak competitiveness in agro-food trade. Polish farming remains labourintensive with about 26% of the total labour force producing just some 4% of GDP. As long as there are not enough jobs in other sectors of the economy, over-employment in agriculture is a cheap alternative to state-financed programmes for jobless people. That holds true especially at a time of rising unemployment, now at a rate of about 18%. Many farmers are running part-time agriculture. Others that own holding plots are just formally registered as farmers which entitles them to receive a pension.

The main agricultural policy instruments are market price support and input subsidies. Production quotas, price supplements, intervention purchases, border tariffs and export subsidies are tools for regulating some agricultural prices. Poland has gradually harmonized its agricultural policy institutions and instruments with those of the EU. Government expenditures have shifted from input subsidies and market price support to more general support of the sector, indicating greater market orientation. Total support for farming measured in PSE remains low; in 2001 it rose by 3 percentage points to 10%. Total support to farming was 1.2% of GDP in the 1999-2001 period, compared to 2.7% in the 1991-1993 period. After some improvement in

2000, the income situation of farmers deteriorated again last year.

After two years of decline, total agricultural production was up 5.7% in 2001. The grain harvest, having fallen in 2000, expanded by 21% to 27 million tonnes in 2001 as a result of higher yields per hectare. This has caused difficulties in finding outlets for Poland's grain surpluses. The harvest of rapeseed (mainly destined for export) rose by 12% to 1.1 million t and that of fruits by over 40%. Other important crop varieties registered a production drop of over 10%. Altogether, plant production increased by 8.6% in 2001. Based on declining unit feed costs and rising pork prices, pig stocks are on the rise. Stocks of cows decreased while milk output stagnated, indicating rising milk yields per cow. Stocks of other cattle were also falling but those of poultry increased strongly. Poultry production expanded by 19% and alleviated the fall in the production of pork (-3.3%) and of beef (-11.5%). Egg production increased as well. Total animal production rose by 2.5% in the year 2001.

In view of the preparations for Poland's entry into the EU, mutual trade barriers for several agro-food products were reduced at the beginning of 2001. They relate to some three quarters of bilateral agrofood trade. Trade with less sensitive items has been fully liberalized while sensitive products are subject to import quotas coupled with zero tariff rates. The import quotas are to be expanded by

10% per year. Negotiations on further liberalization are already under way. In 2001 both export subsidies and import restrictions were in line with Poland's WTO commitments. Polish tariffs on agrofood products are relatively high compared to other advanced candidate countries. In 2001 Poland's agro-food exports rose by 16% to EUR 3.2 billion; imports increased by just 10% to EUR 3.5 billion. The deficit in agro-food trade thus dropped by EUR 0.1 billion to EUR 0.3 billion. Considering the appreciating domestic currency, that is a remarkable outcome, the best one since 1997. The EU has remained Poland's most important trading partner, followed by the Former Soviet Union (FSU) and the CEFTA. While trade with the EU displays permanent deficits, trade with the FSU is in surplus.

Slovakia

In the course of the agricultural reforms in the 1990s the legal and economic status of farms changed substantially while their structure has largely remained the same: it is still dominated by large farms which, however, have somewhat diminished in size. The economic reforms have also resulted in a declining importance of agriculture. It now has a share of 4% of GDP and 5% of total employment.

As other candidate countries applying for EU Slovakia gradually membership, has been introducing an agricultural policy similar to the CAP, with market regulation, trade restrictions and direct payments. Since 2001 the government sets minimum guaranteed prices for wheat, potatoes, beef and pork, linked to production quotas. Production quotas have regulated the sugar market. Area payments relate to grains, potatoes and vegetables. Overall payments to the animal sector (headage and output payments) have been rising; the bulk is spent on milk produced within set quotas. The largest portion of direct payments in 2001 went to farmers in less favourable areas and to payments based on inputs. The customs tariffs in agro-food trade applied by Slovakia are fully in line with the WTO. After massive cuts at the beginning of the 1990s, total support for farming in terms of PSE dropped considerably, by another 12 percentage points, to 11% in 2001. That reflects in particular the liberal foreign trade policy coupled with diminishing market price support. Total support for farming accounts for just 0.9% of GDP, i.e. 0.4 percentage points below the OECD average. Nevertheless, mainly thanks to higher receipts for plant production, Slovak farmers reported a pre-tax profit of SKK 0.6 billion in 2001, as compared to losses of SKK 0.6 billion the year before.

Following deep declines in the two preceding years, the grain harvest soared by 37% to 3 million tonnes in 2001, despite slightly contracting sown area. Also sugar beet and oilseeds registered twodigit output growth. Only the production of potatoes contracted on account of diminished area under cultivation. Total crop production was up 17.6% in 2001. Inventories of pigs were falling, while those of sheep expanded. Total cattle stocks have hardly changed although the number of cows increased slightly (0.5%). Milk output rose by 4.4%, thus cow productivity has again improved. Based on rich and cheaper fodder, grain poultry stocks were on the rise after the 2001 harvest. The production of eggs rose by 5.8%. In line with expanding stocks, output of poultry increased. Still total meat output declined because of the strong decline in beef production due to the rising number of BSE cases (nearly ten in 2001).

Slovakia's agro-food trade deficit rose by EUR 94 million to EUR 466 million in 2001 especially on account of expanding imports. In addition, imports were driven by the real appreciation of the Slovak koruna against the euro in the last quarter of 2001. The EU is the country's most important trading partner, followed by the Czech Republic. With import tariffs applied for agro-food products of less than 5% on a weighted average, Slovakia has followed a quite liberal policy. agricultural trade Furthermore, accordance with the WTO, Slovakia has further reduced import tariffs. The current Slovak government intends to close the pre-accession negotiations with the EU on the agriculture chapter still in its term of office (until end-September 2002). However, this seems to be an unrealistic target considering the present inhomogeneous position of the EU.

Bulgaria

Bulgarian farming, though gradually diminishing in the course of the past several years, still accounts for 13% of GDP and thus holds an important position in the economy. As in other transition countries with a significant farming sector, agricultural employment in Bulgaria is rising along with growing unemployment in other sectors of the economy. Workers laid off from non-agricultural sectors are moving to the countryside where they run subsistence farming. Currently agriculture accounts for about 25% of total employment. The significance of agriculture in the economy is also justified by the permanent (though shrinking) agrofood surpluses. The declining presence of Bulgarian agricultural items on the international agro-food markets is, among other things, the result of the country's liberal agricultural policy. Bulgaria has stepwise removed price controls and now follows the most liberal non-interventionist agricultural the CEECs. policy among Consequently, domestic prices of agricultural goods are converging to those on the world market and fluctuating in line with them. At the same time the exportable surpluses have diminished because Bulgarian farmers have to cope with heavily subsidized agro-food surpluses on the world stemming markets from other countries. Agricultural support in terms of PSE rose by 2 percentage points to 3% in 2001, largely due to higher support of maize and cattle. The commodity supported most is sugar. At 0.5% of GDP, Bulgaria's total support to agriculture is the lowest among the CEECs.

Thanks to 19% growth of crop output agriculture stabilized somewhat in 2001, following two years of deep decline. The grain harvest rose by 17% to 5.1 million tonnes, mostly because of expanding output of barley and wheat due to enlarged sown area. Even higher production growth was registered by crops used in textile manufacturing (54%), sugar beet (49%) and tobacco (26%). The

output of oilseeds dropped by 3%, mainly reflecting a drop in area under cultivation. The decline in grape production (-6%) may ease the massive surplus of Bulgarian wine for which it is hard to find new international outlets anyway. Following a drop prior to the 2001 harvest, livestock inventories strongly recovered in the second half of 2001. The very good fodder basis backed by falling feed grain prices resulted in a strong expansion of the number of pigs (around 14%) and, more moderately, of the number of cattle, sheep and goats. Supported by slightly rising cow stocks, milk production grew by 4%. The production of eggs also rose by some 4%, that of poultry stagnated. The strongest expansion in meat production was reported for sheep and goats (about 5%), which, however, had also registered the strongest declines in stocks and output during the last decade. Altogether, total animal output rose by an estimated 2% in 2001. Together with the strong expansion in crop output. total agricultural production increased by an estimated 8% in 2001.

Agro-food exports rose by 4% to EUR 511 million in 2001 mostly supported by increased exports of barley and sunflowers. The largest decline in export value was registered for tobacco, beverages and spirits. Still the export composition remains dominated by these three product groups as well as by cereals. With imports expanding by around 18% to EUR 424 million, Bulgaria's net agro-food trade surplus diminished to EUR 87 million, the lowest level in the past decade. This outcome is mainly reflecting the production plunge in the period 1999-2001. which could not compensated by the modest growth of agricultural output in 2001. In addition, the very liberal foreign trade policy opens the doors to agro-food imports. while there are no export subsidies that might promote agro-food exports.

Romania

Agriculture is still one of the most important sectors in the Romanian economy. It has as a share of about 40% in total employment and 14% in GDP, thus labour productivity in farming is far below the

average for the entire economy. As in other less developed countries, the over-employment in agriculture alleviates unemployment in the nonagricultural sectors. In 2001 total agricultural production expanded by 22%, mainly thanks to an excellent grain harvest: after a disastrous result in 2000, sown area was increased and grain output soared by 80% to 18.9 million tonnes. The fall in sugar beet production in the three previous years came to a halt: in 2001 25% growth was registered. Only the output of sunflower seeds was falling, by 44%, especially due to shrinking sown area and lower hectare yields. For the first time in the past decade the use of fertilizers increased, but it still amounts to just about one third of the pre-reform level. The increased application of fertilizers together with favourable weather resulted in higher hectare yields for most crop varieties. Livestock inventories continued to decrease in 2001. However, driven by rising demand for meat, the pace of the decline has decelerated, in particular in the private sector. A slight rise in meat production coupled with a modest drop in milk output resulted in stagnating animal production.

Small-scale family farms own over two thirds of total agricultural land. The strong fragmentation of ownership and cultivation has impeded the recovery of farming. In addition the lack of transparent and clear legislation hindered the privatization of the remaining state-run agricultural companies for many years. The new law approved in May 2001 is aimed at accelerating this procedure especially by way of sale of shares and assets in state farms to Romanian citizens and apparently also to foreigners. As many of these farms are heavily indebted, the government is considering to write off the debts of the state-run agricultural enterprises before slating them for privatization.

The administration supports farmers especially by market price support (accounting for 87% of total support), direct payments, preferential credits and support based on inputs use. In 2001 price support focused on milk, bread-wheat used for domestic consumption and maize. Since March 2001 direct

payments per hectare have replaced the old voucher-for-inputs scheme. The level of support measured in terms of PSE rose by 5 percentage points to 24% in 2001, largely due to increased support to the livestock sector. In addition, writing off debts is just another form of subsidization. After a slight drop in 2000, the total support to agriculture, expressed as a share of GDP, rose by 2 percentage points to 6% in 2001, the highest level by far among the CEECs.

In the wake of the excellent grain harvest in 2001 Romania has to cope with grain surpluses. The government reacted by applying non-tariff barriers such as phytosanitary controls for imported wheat and wheat flour. After a slight drop in 2000, agro-food exports rose by 35% to EUR 422 million in 2001; the expansion was mainly based on increased exports of vegetables and grain. The bulk of exports (70%) went to the OECD countries. Imports rose by 33% to EUR 1.3 billion, in particular because of higher imports of live animals, meat and cereals. (The latter took place before the 2001 harvest.) Altogether, the agro-food trade deficit expanded to a record level (since 1990) of EUR 863 million in 2001. compared to EUR 652 million in 2000.

The new government (in office since the end of 2000) has inherited the structural problems in farming. Backed by the new law of May 2001, it will make efforts to cope with the excessive fragmentation of ownership as well as with the privatization of the remaining state-run agricultural companies. Considering the budgetary constraints. one of the key challenges in agriculture includes real access to the funds of the Special Accession Programme for Agriculture and Rural Development (SAPARD). The annual SAPARD allocation for Romania amounts to EUR 153 million (prices of 2000). That accounts for 29% of the total SAPARD budget provided by the EU, or the second highest share following Poland's with 32%. In order to activate that money, each country first has to prepare detailed individual projects which are to be approved by the EU, and finally each applicant has to co-finance the scheme with 25%.

Russia

After a plunge in 1998 agriculture recorded growth for three subsequent years - mostly supported by the general recovery of the Russian economy, and in the year 2001 also by a bumper grain harvest. The latter was the result of favourable weather conditions as well as of rising investment into grain cultivation, which is the most profitable agricultural sub-sector. Grain output soared by 30% to 85 million tonnes in 2001. The production of sunflower seeds dropped by one third to below 3 million t, mostly due to reduced sown area. Sunflower cultivation, very profitable earlier on, was reduced when the administration doubled duties for sunflower seeds exports to 20% in order to protect domestic sunflower processors who have to cope with under-utilized capacities. Output of sugar beet and of potatoes rose by around 3%, that of vegetables by over 5%. Altogether crop production increased by 10.3% in 2001.

After a decade of continuous decline the animal sector stabilized in 2000. Last year it benefited from an excellent fodder supply and falling feed grain prices. While the number of cattle continued to decline in 2001, poultry and pig inventories were rising. That resulted in moderate production growth mostly of poultry meat and eggs. The importance of large-scale corporations, operating mainly in the animal sector, is growing whereas that of household subsistence farms (earlier on important makers of animal products) is gradually shrinking as non-farming incomes rise and deliveries to the domestic food market improve. The larger commercially oriented family farms are mostly engaged in the profitable and less capital-intensive crop production. The modest output growth in the animal sector coupled with the strong expansion of crop production resulted in 6.8% growth of total agricultural output in 2001.

The strong agrarian-communist opposition in the State Duma obstructed the liberalization of the agricultural land market for many years. Finally a new Land Code was approved in 2001. Above all, the new law has legitimized private land ownership, agricultural land transaction and land tenure. As a

result farm restructuring in favour of larger commercially oriented farms has accelerated because land tenure rules are getting more transparent. The possibility to use agricultural land as collateral now facilitates raising urgently needed agricultural credits. Supported by the new programme of preferential subsidized credits, in 2001 bank credits for farming increased strongly. At the same time the government approved new regulations for farm debt restructuring in the federal budget and extra-budgetary funds. Furthermore farmers benefit from tax concessions such as lower unified agricultural tax. The level of support measured in terms of PSE remained low, though rising by 2 percentage points to 10% in 2001.

Despite the gradual appreciation of the rouble, the currency has remained some 20% weaker in real terms compared to the pre-crisis period. In spite of this, agro-food imports are increasing strongly. At the same time, also the output of the domestic food industry is expanding continuously because the demand for foodstuffs is strongly growing due to rising real incomes of the population. As Russian farmers are not able to cover the growing demand for some agricultural raw products, food processors are forced to import part of their inputs. Besides, the price gap between domestic and world market prices especially for agricultural raw materials is narrowing.

Agro-food imports expanded by one guarter to over USD 8.7 billion and exports rose by 10% to about USD 1.4 billion. The total agro-food deficit increased and again exceeded the mark of USD 7 billion in 2001 (after USD 5.7 billion in 2000, the lowest level in the past decade). Russia remains one of the world's largest importers, in particular of raw sugar and raw meat. Sugar imports were stepped up and totalled some 5 million tonnes in 2001, of which Brazil supplied one third. Raw meat imports (mainly poultry) increased above-average and accounted for some 35% of total agro-food imports. Meanwhile the imports of processed meat are shrinking as the domestic meat processing industry is expanding. While the OECD countries have delivered mostly

meat and fish, the Former Soviet Union countries have dominated in Russia's imports of vegetable oil, alcohol and beverages. Despite the relatively strongly expanding grain exports, their absolute importance for the agro-food trade balance remains marginal. In addition, the underdeveloped handling capacity at Russia's ports has hindered grain sales on the international markets.

Ukraine

The general recovery of the Ukrainian economy has apparently been the main driving force behind the improvement in agriculture. Supported by the progress in land reform (important for using agricultural land as collateral) as well as by the preferential credit scheme provided by the government, investment into farming has risen considerably. At the same time, the demand for domestic foodstuffs has increased; living standards are rising and the domestic currency (UAH) still remains depreciated in real terms as compared to the end of the 1990s. Consequently the domestic food industry continued to expand strongly.

The favourable weather conditions in 2001 together with enlarged sown area resulted in a bumper grain harvest of 39.7 million tonnes, i.e. 62% more than in 2000. The domestic grain supply fully met internal demand and generated a huge grain surplus of which about 8 million t was exported. Russia, an important buyer of Ukrainian grain earlier on, recorded itself large surpluses after the 2001 harvest. Thus Ukraine redirected its grain exports, mostly to the Middle and Far East and to South Korea. Some portion of the grain export, about 500,000 t, went to the EU, particularly to France, Italy and Spain. The output of sugar beet was up 17% as the area under cultivation was expanded, after having been considerably reduced in the second half of the 1990s. Recently Ukraine's traditional sugar buyers from Russia and Kazakhstan have preferred sugar deliveries from much lower-cost producers (e.g. from Brazil) and very cheap subsidized sugar deliveries from western countries. As a result of lower yields and diminished area, the production of sunflower seeds dropped by 29%. Nevertheless Ukraine has remained one of Europe's leading producers on sunflower seeds.

For the first time in over ten years, the number of livestock is on the rise because of growing domestic demand for animal products. Thanks to a large and cheaper fodder supply, pig stocks increased by 7% in 2001, sheep and goat inventories by 5%, and the number of poultry even expanded by 10%. The declining trend in cattle stocks (down 62% since 1990) has nearly terminated. The production of milk and eggs registered the highest growth rates, 6% and 10% respectively. Because animal stocks for slaughter increased only in the second half of 2001, meat production in the whole year 2001 declined slightly. Altogether, total agricultural output expanded by 9.9% in 2001.

While a growing number of farms were making profits, total profits of the sector dropped from USD 486 million in 2000 to USD 355 million in 2001. Sunflower and grain producers reported the highest profits while the meat sector (without poultry), despite some improvement, remained in the red. The agricultural market infrastructure and services are still deeply underdeveloped, and the state joint-stock company accounting for the main portion of grain trade (*Khlib Ukrainy*) is facing a crisis. Though the government is making efforts to promote the development of these networks, things are changing very slowly. Farmers still have to look for scarce agricultural inputs by barter trade, especially energy-for-sugar/grain.

In 2001 the Land Code was finally amended, after years of obstruction by the orthodox communist wing in the parliament. Thus the legal base ensuring land property rights has improved. The key point consists in the final legalization of land property rights by issuing land titles to the owners. As a result land titling has accelerated, though there are still considerable administrative obstacles to its implementation. Despite the worldwide prevailing shift from price support towards cheaper direct income support, the Ukrainian government is trying to assure farmers' income mainly by

guaranteed prices for agricultural output. The new preferential credit system for farmers resulted in commercial credits more than tripling in 2001 compared to 2000, and in a significant increase in agricultural investment. Total budgetary expenditures for faming in 2001 amounted to USD 230 million in 2001, i.e. just 0.6% of the GDP. For the current year the government envisages spending some USD 350 million.

Agro-food exports soared by nearly 40% to USD 2.1 billion in 2001, mainly based on the expansion of exports of grain and dairies. Imports rose less dynamically and amounted to USD 1.2 billion. Ukraine's agro-food surplus expanded to USD 0.8 billion in 2001, compared to USD 0.5 billion in 2000. As accession to the WTO remains one of the priorities of Ukrainian foreign trade policy, the government has taken several steps towards a gradual harmonization of the legislative and tariff framework, mutual access to goods and services markets and the reform of agricultural support.

Average effective tax rates in CEE and EU countries

BY MARKUS LEIBRECHT* & ROMAN RÖMISCH

Abstract

The average effective tax rates (AETR) on consumption, labour income, capital income and corporate income in 11 EU and 9 CEE countries are reported. It turns out that AETRs for labour, capital and corporate income in the CEE countries still tend to be lower than in the EU. AETRs for consumption are generally higher in the CEE countries.

Introduction

The actual burden of taxation levied on any individual macroeconomic item such as labour income, profits, capital income or consumption can be reflected only inaccurately by the nominal (or statutory) tax rates. One of the reasons for this is the fact that in reality the tax systems tend to be quite complex. For example, there are usually several VAT and excise tax rates applicable to From various consumption items. macroeconomic point of view the relevant measure of the consumption tax burden relates the total tax revenue collected through consumption taxes to the actual volume of consumption.

While the concept of average effective tax rate levied on consumption is relatively simple and does not involve very difficult data requirements, things are not that easy when it comes to effective rates of taxation of labour and capital incomes and of corporate income. Conceptual issues are much more intricate here, and the data requirements much more demanding.

In this contribution the average effective tax rates (AETR) on consumption, labour income, capital income and corporate income in 11 EU and 9 CEE

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countries are reported. The method used for calculation of AETR was proposed in a seminal article by Mendoza, Razin and Tesar (MRT later on – see Annex). In their article MRT use 'real-life' data from OECD National Accounts and Revenue Statistics for calculating the effective or implicit tax burden levied upon production factors (labour, capital) and various national accounts items (e.g. consumption). Thus effective tax rates are average measures as they are ratios between a variable which represents the effective tax paid (numerator) and a variable which represents the effective tax base (denominator) out of which the tax payments where made.

The data base

The estimates of AETR (Tables 1 and 2) were calculated from data taken primarily from the IMF's Government Finance Statistics (GFS), not from the OECD sources. This choice was made because in contrast to the OECD revenue statistics, the GFS contain data for virtually every country and hence also for those CEE countries that are not members of the OECD. Nevertheless a considerable drawback of the GFS is that for certain countries it does not cover data on a general government level, which is required for our work, but it only shows data on the central government level, thus leaving out e.g. local government revenues. To the authors' understanding this was less of a problem for the CEE countries, as data coverage was to our requirements; nevertheless it caused problems with certain EU member countries (e.g. Finland and Greece). In these cases one had to rely on the information of the OECD revenue statistics.2

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Mendoza, Enrique G., Assaf Razin and Linda L. Tesar (1994), 'Effective tax rates in macroeconomics: Crosscountry estimates of tax rates on factor incomes and consumption', *Journal of Monetary Economics*, 34, pp. 297-323.

We had to mix together two different tax revenue data bases, since both the IMF GFS and the OECD revenue statistics show data on cash basis, so the margin of error was assumed to be small. Additionally cross checking the data for countries for which we had both data – from the IMF and the OECD – showed that although there were deviations, these were small and at an acceptable level.

Although the compilation of a workable tax data set was therefore not without difficulties, the problems were small compared to the troubles encountered in compiling a useable data set for national accounts data.

Because the statistical offices in the individual countries differ in the stage of revision of the national accounts data on the new ESA95 basis, certain countries were not able to supply the required data on the new basis. As a consequence our data set consists partly of data according to the old ESA79 data and partly of data according to the new basis. Also, due to the change of the national accounting system the data reported in the most common databases (OECD National Accounts - Detailed Tables, New Cronos) changed in an unfavourable way for us, because certain time series were no longer made available. This was especially the case for the series 'property income of households'3, which is important for the calculation of every AETR except the consumption tax.

The second difficulty in using national accounts data was data availability per se. Thus even prior to the introduction of the new ESA95 some countries did not publish (at least not in the sources available to us) certain national accounts time series (mostly 'property income of households', again) that were important for the calculation of our AETRs.

The third difficulty was caused by the two previous ones. Because data coverage in our available databases was either heterogeneous or not complete we tried - in order to fill our data set - to contact all the statistical offices in the EU and also those of the Slovak Republic and Slovenia; for the other CEE countries the WIIW provided an excellent data source. The answers we got were very heterogeneous again. Thus whereas certain countries such as Finland, Ireland, the UK, Germany, Spain, the Netherlands, Sweden, Denmark and even, with a delay of five months, Greece were very helpful through either sending the appropriate data directly or indicating where they could be found, other countries such as Portugal, Italy, and especially Austria, simply were not able to deliver useful data.

As a consequence the coverage of average effective tax rates of EU and CEE countries is not as comprehensive as desired, but nevertheless it allowed the compilation of data for the most important EU countries and almost all CEE countries. The countries for which we could calculate AETRs are: Belgium, Finland, Germany, Greece, Ireland, Netherlands, Spain, Sweden, United Kingdom, Bulgaria, Czech Republic, Estonia, Hungary, Latvia, Lithuania, Poland, Romania and Slovenia.

Average effective tax rates

Table 1 shows averaged effective tax rates (AETRs) for 11 EU and 9 CEE countries. Taking into account the data restrictions, we reported in this table AETRs calculated with SNA79 data as well as AETRs calculated with SNA93 / ESA95 data, in order to control for the effects on corporate and capital income AETRs. All AETRs have been calculated by using the formulae specified above.

Looking first at AETRs for labour and capital income in Table 1 it becomes immediately apparent that despite the heterogeneity of the EU (which includes both high- and low-tax countries), the CEE countries still tend to have AETRs below the lower EU extreme or at least tax rates that could be found at the lower end of the EU tax rates.

Obviously this is the case for taxes on capital where the AETRs for almost all CEE countries are well below the tax rates of the EU countries, with the exception of Greece. As far as labour AETRs are concerned, the CEE tax rates do not have such an extreme position; but nevertheless it can be seen from the table that those CEE tax rates are generally at the lower end of the range of EU tax rates.

This has been changed to 'interest, dividends and investment receipts'.

In consumption taxes things are almost the complete opposite as compared to the other taxes, in so far as the CEE tax rates take a position at the higher end of the EU consumption AETRs.

After all, the impression gained from the comparison of AETRs between EU and CEE countries is hardly surprising, since it is a reflection of the fact that as a rule statutory (nominal) tax rates are higher in the CEE countries than in the EU.

Nevertheless, it might have been expected that the differences in AETRs on consumption are higher, since value added and excise taxes are much more important in the CEE countries than in the EU. The absence of major differences in AETRs on consumption for some CEE countries compared to EU countries (such as for Poland, Latvia and Lithuania) might be explained by the fact that the (VAT and excise) tax bases are still too narrow and tax collection still might pose some problems. This is especially true for Bulgaria and Romania, which are in the peculiar position to have much lower AETRs on consumption than any other EU and CEE country.

Implications for the public discussion about tax competition can be derived from the differences in corporate income AETRs between the EU and the CEE countries. Concentrating on the ESA95 data in Table 1 shows that for many CEE countries the AETRs on corporate income are to be found at the lower end of the EU AETRs. Nevertheless, what is also striking is that the differences between EU and CEE AETRs are not that pronounced and that there are large divergences between the CEE AETRs on corporate income.

This may seem puzzling as one might expect that the CEE countries compete with each other for foreign capital, which should lead – *ceteris paribus* – to a harmonization of AETRs.

However, by looking at the time trend of the AETRs on corporate income in Table 2, the puzzle resolves in so far as a clear downward tendency in each country's AETRs is visible, leading also to a homogeneous AETR structure across the CEE countries.⁴

The one exception in this respect is Poland, which in 1998 still shows a higher AETR on corporate income. However, since 1998 the Polish corporate tax rate has been gradually lowered (from 38% to 24%). The current Polish AETR on corporate income may well have approached a 'normal' CEE level.

Table 1

Average effective tax rates (AETRs)

	Consu	mption	Lab	oour	Сар	oital	Corp	orate
	SNA79	SNA93/ ESA95	SNA79	SNA93/ ESA95	SNA79	SNA93/ ESA95	SNA79	SNA93/ ESA95
Belgium	21.7 ¹	23.9 ⁶	47.1 ¹	46.9 ⁶	35.5 ¹	26.9 ⁶	27.6 ¹	15.1 ⁶
Denmark	36.3 ³		40.9 ³		33.4 ³		10.9 ³	
Finland	27.1 ¹	27.6 ³	52.5 ¹	51.9 ³	37.4 ¹	39.8 ³	20.4 ¹	23.4 ³
France	18.9 ¹		45.7 ¹		17.0 ¹		21.3 ¹	
Germany	19.2 ¹	18.1 ³	42.6 ¹	40.9 ³	25.1 ¹	26.4 ³		17.6 ³
Greece		18.8 ⁵		37.8 ⁵		10.1 ⁵		14.2 ⁵
Ireland	22.4 ²	23.2 ⁵	24.9 ²	24.9 ⁵	20.1 ²	20.1 ⁵	17.2 ²	15.7 ⁵
Netherlands	17.7 ¹	17.6 ²	52.2 ¹	50.0 ²	31.0 ¹	21.3 ²	24.1 ¹	14.7 ²
Spain	14.6 ¹	15.3⁵	34.0 ¹	33.0 ⁵	20.7 ¹	17.4 ⁵	19.2 ¹	11.1 ⁵
Sweden	24.4 ¹	23.0 ³	49.6 ¹	51.3 ³	46.6 ¹	46.1 ³	31.6 ¹	27.6 ³
United Kingdom	15.6 ¹	16.5 ³	24.9 ¹	24.6 ³	45.8 ¹	31.9 ³	38.4 ¹	16.2 ³
Bulgaria		13.2 ²		28.4 ²		16.0 ²		28.1 ²
Czech Republic		21.6 ³		37.8 ³		15.8 ³		17.0 ³
Estonia		23.1 ³		33.5 ³		15.7 ³		14.4 ³
Hungary		24.5 ³		36.2 ³		12.5 ³		9.5 ³
Latvia		20.5 ³		32.0 ³		13.4 ³		10.0 ³
Lithuania		17.2 ³		28.2 ³		12.8 ³		10.2 ³
Poland		20.2 ³		37.8 ³		20.6 ³		19.8 ³
Romania	10.7 ²		31.9 ²		12.3 ²		13.9 ²	
Slovenia		27.5 ⁴						6.44

Notes: 1) Average 1993-1996. - 2) Average 1993-1997. - 3) Average 1993-1998. - 4) Average 1994-1998. - 5) Average 1995-1997. - 6) Average 1995-1998.

Table 2

Average effective tax rates (AETRs), 1993-1998

	1993	1994	1995	1996	1997	1998		1993	1994	1995	1996	1997	1998
					(Consump	otion						
EU							CEECs						
Belgium			21.6	24.8	25.1	24.3	Bulgaria	10.6	16.3	15.1	11.7	12.3	
Finland	26.7	27.0	26.1	27.8	28.8	29.5	Czech R.	22.8	21.8	21.9	21.0	21.4	20.5
Germany	18.3	19.4	18.7	17.7	17.4	17.4	Estonia	19.7	23.5	23.7	23.1	26.1	22.4
Greece			18.4	18.6	19.3		Hungary	22.9	18.5	24.2	25.5	27.7	28.5
Ireland			22.4	23.1	24.0		Latvia		17.4	19.4	19.9	22.6	23.0
Netherlands	17.4	17.4	17.6	17.9	18.0		Lithuania	11.6	13.7	17.8	17.0	22.0	21.1
Spain			15.0	15.3	15.7		Poland	18.8	19.2	20.0	20.7	21.6	21.1
Sweden	22.8	24.5	23.6	24.9	21.4	20.7	Romania	13.2	10.8	10.4	9.3	9.5	
United Kingdom	15.9	16.6	16.6	16.6	17.0	16.4	Slovenia		25.4	26.0	26.9	28.7	30.5
					L	abour in	come						
EU							CEECs						
Belgium		•	47.6	46.5	46.9	46.7	Bulgaria		29.0	28.0	27.3	29.2	
Finland	55.9	50.0	48.7	54.6	54.0	47.9	Czech R.	34.4	37.7	37.8	37.9	39.3	39.8
Germany	39.8	40.8	41.7	40.8	41.1	41.1	Estonia	34.1	33.1	32.3	33.1	33.4	34.9
Greece		•	37.0	37.6	38.9		Hungary	38.0	37.3	36.5	34.8	35.3	35.4
Ireland			25.0	24.9	24.8		Latvia		29.7	39.3	29.8	29.6	31.4
Netherlands	53.0	53.4	49.5	46.6	47.5		Lithuania	24.8	30.3	27.1	27.3	29.0	30.8
Spain			33.3	32.8	32.9		Poland	41.7	37.0	37.3	37.2	36.8	36.6
Sweden	47.7	44.7	51.5	54.5	56.3	53.4	Romania	35.3	33.3	30.4	29.3	31.2	
United Kingdom	23.6	24.8	24.8	24.5	23.7	26.2	Slovenia						
					С	apital in	come						
EU							CEECs						
Belgium			27.2	25.8	26.7	27.8	Bulgaria		16.9	15.5	15.4	16.4	
Finland	41.6	39.4	35.8	41.1	43.1	37.5	Czech R.	19.2	17.7	16.3	14.7	13.1	13.4
Germany	29.5	26.6	26.5	26.1	24.9	25.1	Estonia	20.3	20.8	16.7	11.8	11.9	12.9
Greece			9.6	9.7	10.9		Hungary	13.8	13.3	12.5	12.4	11.3	11.6
Ireland			19.5	20.4	20.3		Latvia		14.6	13.2	14.4	12.0	12.8
Netherlands	24.6	21.1	18.9	20.8	21.3		Lithuania	15.6	13.7	13.2	11.2	11.6	11.5
Spain		•	16.7	16.8	18.6		Poland	23.6	20.8	20.4	20.1	19.7	19.1
Sweden	48.3	38.6	40.4	49.1	47.8	52.0	Romania	13.0	12.6	13.3	11.3	11.5	
United Kingdom	29.1	29.1	31.5	31.9	33.8	35.8	Slovenia						
					Co	rporate i	ncome						
EU							CEECs						
Belgium			14.8	13.7	15.0	17.0	Bulgaria	24.4	33.7	28.5	22.2	31.7	•
Finland	18.4	20.1	21.1	22.8	29.5	28.9	Czech R.	24.8	19.8	17.6	15.0	12.3	12.4
Germany	22.3	15.5	14.0	19.0	18.0	17.1	Estonia	21.9	22.2	15.4	8.5	8.8	9.9
Greece			12.9	13.0	16.6		Hungary	10.8	10.7	9.7	9.0	8.2	8.7
Ireland			15.4	16.4	15.2		Latvia		12.4	9.5	11.3	8.2	8.4
Netherlands	14.7	13.8	12.4	15.6	17.2		Lithuania	19.0	12.2	10.0	7.6	6.6	5.7
Spain			9.3	10.0	13.8		Poland	24.8	19.7	19.0	19.5	18.4	17.3
Sweden	25.5	18.5	24.7	30.2	30.4	36.6	Romania	13.1	12.9	15.3	12.6	15.6	
United Kingdom	12.3	12.9	15.6	17.0	19.9	19.4	Slovenia		6.8	4.8	6.3	7.2	7.1

ANNEX:

The MRT methodology

MRT base their effective average tax rates on the OECD Revenue Statistics and OECD National Accounts (SNA68) nomenclature. For calculating tax revenues they suggest using the following variables from the Revenue Statistics:

Item 1100 = Taxes on income, profits, and capital gains of individuals

Item 1200 = Taxes on income, profits, and capital gains of corporations

Item 2000 = Total social security contributions

Item 2200 = Employer's contribution to social security

Item 3000 = Taxes on payroll and workforce

Item 4100 = Recurrent taxes on immovable property

Item 4400 = Taxes on financial and capital transactions

Item 5110 = General taxes on goods and services

Item 5121 = Excise taxes

For calculating the tax bases they suggest using the following variables from the National Accounts (SNA68):

C = Private final consumption expenditure

G = Government final consumption expenditure

GW = Compensation of employees paid by producers of government services

OSPUE = Operating surplus of private unincorporated enterprises

PEI = Household's property and entrepreneurial income

W = Wages and salaries

OS = Total operating surplus of the economy

From these variables effective average tax rates on consumption, labour and capital are then calculated.

Effective tax rate on consumption

$$\tau_{C} = \left[\frac{Item \, 5110 + Item \, 5121}{C + G - GW - Item \, 5110 - Item \, 5121} \right] * 100 \tag{1}$$

Effective tax rate on labour income

$$\tau_L = \left[\frac{\tau_H *W + Item \ 2000 + Item \ 3000}{W + Item \ 2200} \right] *100$$
 (2)

As an intermediate step τ_H , i.e. the household's average tax rate on total income, is calculated as:

$$\tau_H = \left\lceil \frac{Item \, 1100}{OSPUE + PEI + W} \right\rceil * 100 \tag{3}$$

The second formula represents the average statutory tax rate on total income from profits, wages and salaries and capital gains of individuals. Therefore one has to assume that all income components of households are taxed at the same rate. That is, one has to assume a synthetic personal income tax, where all kinds of personal income are taxed at the same rate.

Effective tax rate on capital income of households and all firms

$$\tau_{K} = \left[\frac{\tau_{H} * (OSPUE + PEI) + Item 1200 + Item 4100 + Item 4400}{OS}\right] * 100$$
 (4)

Effective tax rate on income of corporations⁵

$$\tau_{KC} = \left[\frac{Item \, 1200}{OS - OSPUE} \right] * 100 \tag{5}$$

-

MRT do not provide an explicit formula for calculating the average tax rate on corporate income (corporate capital), but footnote 9 in their article suggests how to calculate such a rate.

CONVENTIONAL SIGNS AND ABBREVIATIONS

used in the following section on monthly statistical data

data not available

% per cent

CMPY change in % against corresponding month of previous year

CCPY change in % against cumulated corresponding period of previous year

(e.g., under the heading 'March': January-March of the current year against January-March

of the preceding year)

3MMA 3-month moving average, change in % against previous year.

CPI consumer price index

PM change in % against previous month

PPI producer price index

p.a. per annummn millionbn billion

BGN Bulgarian lev (1 BGN = 1000 BGL)

CZK Czech koruna

EUR European currency unit
EUR Euro, from 1 January 1999

HRK Croatian kuna HUF Hungarian forint PLN Polish zloty ROL Romanian leu

RUB Russian rouble (1 RUB = 1000 RUR)

SIT Slovenian tolar SKK Slovak koruna UAH Ukrainian hryvnia

USD US dollar

M0 currency outside banks
M1 M0 + demand deposits
M2 M1 + quasi-money

Sources of statistical data:

National statistical offices and central banks; WIIW estimates.

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BULGARIA: Selected monthly data on the economic situation 2001 to 2002

		2001									2002				(updated	end of Au	ıg 2002)
		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
PRODUCTION																	
Industry, total	real, CMPY	1,6	4,0	0,2	6.8	10,3	2,7	-0,7	1,3	-5,0	-2,9	0.1	-2,5	15,5	5,3	3,0	
Industry, total	real, CCPY	3,0	2,4	1,7	2,0	2,6	2,2	1,5	2,4	0,7	-2,9	-2,7	-3,1	1,3	2,1	1,5	
LABOUR																	
Employees total	th. persons	1703	1717	1725	1719	1708	1713	1717	1707	1686	1889	1894	1906	1905	1921	1930	
Employees in industry	th. persons	600	598	598	592	588	585	584	581	575	632	629	628	631	629	630	
Unemployment, end of period	th. persons	707,8	678,5	654,0	643,5	637,8	629,9	637,3	657,0	662,3	687,8	683,9	669,0	678,6	673,8	659,0	653,3
Unemployment rate ¹⁾	%	18,5	17,8	17,1	16,8	16,7	16,5	16,7	17,2	17,3	18,0	17,9	17,5	17,8	17,6	17,2	17,6
Labour productivity, industry	CCPY	7,5	6,7	5,9	6,2	6,8	6,4	5,7	6,6	4,7	-7,8	-7,6	-7,8	-3,6	-2,9	-3,5	
Unit labour costs, exch.r. adj.(EUR)	CCPY	-0,2	0,5	1,3	0,9	0,4	0,5	1,3	0,3	1,9	11,6	12,4	12,7	7,4	6,2	6,6	
WAGES, SALARIES																	
Total economy, gross	BGN	253.0	261,0	261.0	256.0	256.0	264.0	259,0	261.0	278.0	250.0	252.0	265,0	262.0	269.0	264.0	
Total economy, gross	real, CMPY	2,8	2,9	4,2	3,5	6,7	4,6	7,0	3,9	4,8	-1,0	-0,2	-0,9	-5,2	-3,6	-3,8	
Total economy, gross	USD	115	117	114	113	118	123	120	119	127	113	112	119	119	126	129	
Total economy, gross	EUR	129	133	133	131	131	135	132	133	142	128	129	135	134	138	135	
Industry, gross	USD	120	118	120	117	125	131	126	125	131	118	117	124	122	126	137	
PRICES																	
Consumer ²⁾	PM	-0,2	0,1	-0,1	-0,2	0,3	1,3	1,7	0,2	0,6	2,7	1,6	0,8	-0,1	-2,1	-1,7	0,1
Consumer ²⁾	CMPY	9.8	9.7	9.4	8.5	5,7	4.7	5.2	4.6	4,8	7.0	8.4	9.2	9.2	6.9	5.2	5,5
Consumer ²⁾	CCPY	9.1	9,2	9.3	9,2	8,7	8,2	7,9	7,6	7,4	7,0	7,7	8,2	8,4	8,1	7,6	7,3
Producer, in industry	PM	0,3	0,6	-0,3	-0,6	0,0	0.4	0,2	0,1	-0,5	0.4	1,3	0,8	1,0	-0,4	-1,1	1,0
Producer, in industry	CMPY	12,1	9,7	9,5	7,7	6,0	3,3	1,2	1,2	0,7	1,2	2,4	2,7	3,4	2,3	1,6	
Producer, in industry	CCPY	11,9	11,5	11,1	10,6	10,1	9,3	8,4	7,7	7,1	1,2	1,8	2,1	2,4	2,4	2,3	
RETAIL TRADE	00. 1	, o	,0	,.	. 0,0	,.	0,0	٥, .	.,.	.,.	.,_	.,0	_,.	_,.	_,.	2,0	
Turnover	real, CMPY																
Turnover	real, CCPY																
FOREIGN TRADE ²⁾³⁾	real, COI T																
Exports total (fob), cumulated	EUD	4050	0200	0004	3327	2004	4290	4700	E204	F700	424	004	4200	4040	0007	0704	
Imports total (cif), cumulated	EUR mn EUR mn	1852 2413	2300 3100	2801 3854	4678	3824 5341	5944	4792 6703	5301 7454	5709 8107	434 571	904 1171	1369 1790	1849 2490	2287 3191	2734 3797	
Trade balance, cumulated	EUR mn	-561	-799	-1053	-1351	-1517	-1654	-1910	-2153	-2398	-137	-268	-421	-641	-905	-1063	
	EURIIII	-301	-133	-1055	-1331	-1317	-1054	-1910	-2100	-2330	-131	-200	-421	-041	-905	-1003	
FOREIGN FINANCE	HOD	000	200	200	405	204	407	544	007	040	400	470	000	000	407	204	
Current account, cumulated	USD mn	-299	-389	-390	-465	-381	-427	-541	-697	-842	-130	-179	-232	-368	-467	-381	
EXCHANGE RATE																	
BGN/USD, monthly average	nominal	2,192	2,234	2,293	2,273	2,173	2,141	2,159	2,202	2,192	2,215	2,248	2,234	2,210	2,131	2,048	1,972
BGN/EUR, monthly average	nominal	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956
BGN/USD, calculated with CPI ⁴⁾	real, Jan98=100	110,9	113,4	116,7	115,6	110,2	107,6	106,4	108,0	106,5	105,1	105,3	104,4	104,0	102,4	100,2	96,4
BGN/USD, calculated with PPI ⁴⁾	real, Jan98=100	99,5	101,2	103,2	101,2	96,8	94,9	93,4	94,8	93,7	94,6	94,7	94,4	93,3	90,4	87,9	
BGN/EUR, calculated with CPI ⁴⁾	real, Jan98=100	89,2	89,6	89,7	89,7	89,5	88,6	87,1	86,7	86,3	84,4	83,2	82,9	83,4	85,3	86,7	86,6
BGN/EUR, calculated with PPI ⁴⁾	real, Jan98=100	79,6	79,3	79,5	79,7	79,6	79,4	78,9	78,5	78,7	78,6	77,5	77,2	76,7	77,2	77,9	
DOMESTIC FINANCE																	
M0, end of period ⁵⁾	BGN mn	2307,3	2344,2	2427,5	2522,1	2542,5	2601,8	2570,5	2641,9	3081,0	2924,6	2897,3	2855,2	2873,2	2781,0	2828,4	
M1, end of period ⁵⁾	BGN mn	4128,2	4135,7	4039,2	4163,9	4193,7	4275,1	4240,9	4982,0	4883,8	4651,4	4584,3	4594,2	4602,9		4402,9	
Broad money, end of period ⁵⁾			,	,	,	,	11318,5	11383,3	,	12600,1	,	,	,	12631,3		12335,3	
Broad money, end of period	CMPY	27,5	33,9	36,3	25,8	23,5	25,0	15,6	18,6	25,2	23,0	21,8	20,2	25,2	19,1	15,8	
BNB base rate (p.a.),end of period	%	4,4	4,6	4,6	4,6	4,8	4,8	4,7	4,9	4,7	4,9	4,6	4,5	4,0	4,0	3,8	3,7
BNB base rate (p.a.),end of period ⁶⁾	real, %	-6,8	-4,7	-4,6	-2,9	-1,1	1,5	3,5	3,6	4,0	3,6	2,2	1,7	0,6	1,6	2,1	
BUDGET																	
Government budget balance, cum. ⁷⁾	BGN mn	-98,1	-18,5	-175,7	-447,8	-468,9	-559,1	-409,6	-408,3	-669,4	154,2	116,0	205,6	-50,7	194,1	181,9	

¹⁾ Ratio of unemployed to total employment.

²⁾ Based on cumulated USD and converted using the ECB EUR/USD average foreign exchange reference rate.

³⁾ Cumulation starting January and ending December each year.

⁴⁾ Adjusted for domestic and foreign (US resp. EU) inflation. Values less than 100 mean real appreciation.

⁵⁾ Revised according to International Accounting Standards.

⁶⁾ Deflated with annual PPI.

⁷⁾ Including some extrabudgetary accounts and funds.

CROATIA: Selected monthly data on the economic situation 2001 to 2002

(updated end of Aug 2002) 2001 2002 Арі May Jun Aug Sep Dec Jan Feb Apr May PRODUCTION Industry, total¹⁾ real, CMPY 9.8 8.3 1.2 3.9 8.6 5.7 83 4.6 5.2 3.3 39 -1.0 5.8 3.9 -2.1 10.5 Industry, total1) real, CCPY 6,7 7,0 5,9 5,6 6,0 5,9 6,2 6,0 6,0 3,3 3,6 1,9 2.9 3,1 2.2 3,4 Industry, total1) real, 3MMA 7,5 6,2 4,4 6,0 7,5 6,2 6,1 4,4 4,1 1,9 2,8 2,8 2,5 4,0 Construction, total, effect, work, time real, CMPY 1,9 2,8 12,8 19,9 0,5 2,6 8,0 5,2 2,6 11,0 7,8 9,6 9,5 11,7 1344.9 1333.3 Employment total 1319.0 1327.4 1335.6 1346.4 1337.7 1329.0 1316.8 1305.2 1324.0 1326.8 1332.8 1341.5 1352.4 th. persons Employees in industry² th. persons 283 2 283 7 284 1 284 0 283 5 282 7 283.8 282 5 279 6 277 8 280 1 2796 2794 278 4 277 1 Unemployment, end of period 382 8 373 4 364 9 367.9 369.2 376 6 383 5 385.3 395.1 411 1 414 4 4154 407 7 394 1 385.0 382 8 th. persons 23,8 Unemployment rate³ 22.5 22.0 21.5 21.5 21.5 22.0 22.3 22.5 23.1 24.0 23.8 23.4 22.7 22.2 22.2 Labour productivity, industry¹⁾ CCPY 10,4 10,8 9,7 9,4 9,7 9,6 9,8 9,5 9,3 7,4 5,6 6,6 6,8 7,2 6,0 Unit labour costs, exch.r. adj.(EUR) CCPY 2.2 -0.8 0.3 0.7 1.8 2.7 1.5 1.1 1.2 1.2 -1.6 0.9 1.2 0.7 WAGES, SALARIES Total economy, gross HRK 5002 5202 4999 5066 5090 4885 5051 5325 5142 5159 5017 5224 5352 5507 real, CMPY Total economy, gross 0.4 -17 -2.0 2.4 -1.3 -2.3 -0.5 1.3 -0.1 -1.5 nφ 0.2 4.7 4.0 610 Total economy, gross USD 587 619 585 604 620 592 639 621 582 618 640 682 612 Total economy, gross EUR 657 706 685 704 690 650 719 696 690 669 706 724 746 Industry, gross USD 526 572 534 552 562 589 561 555 526 634 536 565 554 581 PRICES Retail⁴⁾ PM -0.2 1.4 0.6 -0.3 -0.6 1.0 0.3 -0.1 -0.2 0.8 0.1 0.4 0.4 0.2 0.1 -0.4 Retail⁴⁾ CMPY 6.8 72 49 3.8 49 3.8 32 28 26 3.3 28 32 22 18 22 23 Retail⁴⁾ CCPY 66 6.8 6.4 6.0 59 5.7 5.3 5.1 4.9 3.3 3.0 3.2 2.9 2.6 2.5 2.6 Producer, in industry PM 0.0 0,0 0.1 -0,7 -0,5 0.6 0.2 -0,5 -1.0 -0,1 0.6 -1.1 0,9 0.2 0.3 0.5 Producer, in industry CMPY 5,2 4,0 3,4 3,0 -2,0 -3,1 -2,8 -2,3 -1,2 5,1 4,5 2,1 -2,6 -1,4 -1,0 0,2 Producer, in industry CCPY 6.7 6.4 6.1 5.8 5.5 5.2 4.8 4.2 3.6 -2.6 -2.7 -2.6 -2.3 -2.1 -1.9 -1.6 RETAIL TRADE real, CMPY 13.2 12.0 11.2 9.2 6.8 8.7 13.5 14.7 12.0 Turnover 8.1 8.5 7.7 10.9 9.4 9.1 Turnover real CCPY 11.5 116 117 113 109 10.5 104 10.2 10.0 10.9 122 13.0 12 1 12 1 116 FOREIGN TRADE⁵⁾⁶⁾ Exports total (fob), cumulated FIIR mn 1570 2011 2488 2923 3396 3831 4381 4768 5209 356 720 1178 1654 2139 2510 Imports total (cif), cumulated EUR mn 2995 4076 5019 5964 6733 7549 8480 9320 10082 677 1494 2403 3368 4372 5308 EUR mn -2064 -2531 -3041 -3337 -3718 -4099 -4552 -4873 -321 -775 -2233 -2798 Trade balance, cumulated -1425 -1226 -1713 Exports to EU (fob), cumulated EUR mn 1586 2109 2458 2666 2853 417 880 1093 1367 1857 196 657 952 1188 1405 EUR mn 1653 3730 5210 5653 350 797 2428 Imports from EU (cif), cumulated 2249 2808 3323 4169 4702 1308 1844 2971 Trade balance with EU, cumulated EUR mn -773 -1156 -1440 -1737 -1873 -2060 -2243 -2544 -2800 -154 -380 -651 -893 -1240 -1566 FORFIGN FINANCE Current account, cumulated USD mn -1452 -237 -642 -771 **EXCHANGE RATE** HRK/USD, monthly average nominal 8,528 8,409 8,545 8,384 8,208 8,248 8,254 8,333 8,286 8,452 8,626 8,455 8.359 8,072 7,697 7,369 7,408 7,477 HRD/EUR, monthly average nominal 7,615 7,298 7,199 7,377 7,516 7,475 7,391 7,500 7,403 7,393 7,378 7,344 HRK/USD, calculated with CPI real, Jan98=100 124,0 122,1 124,7 122,7 118,9 119,6 119,5 120,6 119,8 121,5 124,4 122,0 120,9 116,5 111,1 HRK/USD, calculated with PPIT real. Jan98=100 120.8 117.1 126.9 125.6 126.3 122.8 120.5 117.7 119.0 118.1 120.9 122.6 122.9 121.5 111.5 HRD/FUR calculated with CPI⁷⁾ real .lan98=100 99.7 96.4 95.8 949 96.4 98 1 97 7 96.8 96.8 97.6 98 N 96.7 96.7 96.5 95.8 HRD/EUR, calculated with PPIT) real, Jan98=100 101.5 98.4 97.3 96.3 99.1 100.5 99.3 98,4 99,0 100.4 100,2 100,4 99.7 99.4 98.6 DOMESTIC FINANCE M0, end of period HRK mn 6551 6790 7266 7734 7551 7475 7182 7423 8507 8255 8345 9146 9112 9277 19838 HRK mn 18253 18845 19065 20531 20285 20065 20976 23704 22398 22165 24375 26418 26716 Broad money, end of period HRK mn 77828 87748 88344 95006 108647 107184 106245 106333 106445 106593 77651 79690 81993 90102 106071 Broad money, end of period CMPY 31 7 29 7 28.5 24 9 28 6 28 1 29 1 34.8 45 2 46.7 419 37 1 36.9 36.8 33.8 Discount rate (p.a.) end of period % 5.9 5.9 59 59 59 5.9 59 59 5.9 5.9 59 59 59 5.9 59 59 Discount rate (p.a.), end of period⁸⁾ 5.7 BUDGET Central gov. budget balance, cum. 9) HRK mn -3609,1 -4044,8 -4380,0 -4549,6 -4629,3 -5435,0 -2175,5 -2232,1 -3758,5 -498,2 -842,3 -2614,0 -2289,5 -2445,1 -2867,5

¹⁾ In business entities with more than 19 persons employed.

²⁾ In business entities with more than 10 persons employed.

³⁾ Ratio of unemployed to the economically active population.

From August 2001 adjustment lowering telecom prices.

⁵⁾ Based on cumulated national currency and converted with the average exchange rate

⁶⁾ Cumulation starting January and ending December each year.

⁷⁾ Adjusted for domestic and foreign (US resp. EU) inflation. Values less than 100 mean real appreciation.

⁸⁾ Deflated with annual PPI

⁹⁾ From January 2002 including social security funds.

CZECH REPUBLIC: Selected monthly data on the economic situation 2001 to 2002

		2001									2002				(updated	end of Au	g 2002)
		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
PRODUCTION																	
Industry, total	real, CMPY	11,3	6,9	3,7	9,3	3,0	1,1	4,1	6,6	3,7	2,6	5,8	4,1	8,2	5,1	1,3	
Industry, total	real, CCPY	10,3	9,6	8,6	8,7	7,9	7,1	6,8	6,8	6,5	2,6	4,2	4,2	5,2	5,2	4,5	
Industry, total	real, 3MMA	9,3	7,2	6,5	5,1	4,2	2,7	4,0	4,8	4,4	4,0	4,2	6,0	5,7	4,9		
Construction, total	real, CMPY	16,1	15,1	12,2	21,4	9,2	3,6	7,0	2,5	-6,8	3,1	13,8	-2,7	5,2	5,2	-1,3	
LABOUR																	
Employees in industry ¹⁾	th. persons	1175	1172	1174	1179	1177	1170	1170	1172	1164	1165	1168	1168	1164	1166	1164	
Unemployment, end of period	th. persons	433,3	420,6	420,3	439,8	443,6	440,5	437,3	439,2	461,9	489,0	485,2	471,7	456,4	447,9	454,3	479,2
Unemployment rate ²⁾	. %	8,3	8,1	8,1	8,5	8,5	8,5	8,4	8,5	8,9	9,4	9,3	9,1	8,8	8,6	8,7	9,2
Labour productivity, industry ¹⁾³⁾	CCPY	9,6	8,4	7,7	7,4	7,0	6,4	6,3	6,4	5,5	-0,3	1,9	1,8	3,5	3,3	2,5	
Unit labour costs, exch.r. adj.(EUR) ¹⁾³⁾	CCPY	1,3	3,0	3,7	4,2	4,3	4,6	4,8	4,6	5,4	18,2	15,5	15,4	15,0	15,2	15,7	
WAGES, SALARIES																	
Industry, gross ¹⁾	CZK	13709	15053	14717	14538	14274	13802	14770	16937	15512	14610	13763	14499	14923	15920	15333	
Industry, gross ¹⁾	real, CMPY	3,1	2,3	0,4	1,6	0,6	0,3	2,5	0,5	0,7	3,8	3,8	2,5	5,5	3,2	3,0	
Industry, gross ¹⁾	USD	354	383	370	370	377	367	399	452	425	402	377	405	435	478	483	
Industry, gross ¹⁾	EUR	397	438	433	429	419	404	440	508	476	455	433	462	492	521	506	
PRICES																	
Consumer	PM	0,4	0,6	1,0	1,0	-0,2	-0,7	0,0	-0,1	0,1	1,5	0,2	-0,1	-0,1	-0,1	-0,3	0,5
Consumer	CMPY	4,6	5,0	5,5	5,9	5,5	4,7	4,4	4,2	4,1	3,7	3,9	3,7	3,2	2,5	1,2	0,6
Consumer	CCPY	4,2	4,4	4,5	4,7	4,8	4,8	4,8	4,7	4,7	3,7	3,8	3,7	3,6	3,4	3,0	2,7
Producer, in industry	PM	-0,6	0,2	0,2	-0,1	-0,3	0,0	0,7	-0,4	-0,3	0,2	0,2	0,0	-0,5	-0,2	-0,1	-0,4
Producer, in industry	CMPY	4,1	3,8	3,4	3,0	2,4	1,8	1,4	0,9	0,8	0,6	-0,1	-0,2	-0,1	-0,5	-0,8	-1,1
Producer, in industry	CCPY	4,3	4,2	4,0	3,9	3,7	3,5	3,3	3,1	2,9	0,6	0,2	0,1	0,0	-0,1	-0,2	-0,3
RETAIL TRADE																	
Turnover	real, CMPY	6,0	4,3	2,5	6,8	3,6	3,6	8,4	8,7	-0,3	4,1	4,3	4,2	4,9	2,6	-0,5	
Turnover	real, CCPY	4,3	4,3	4,0	4,4	4,3	4,2	4,7	5,0	4,5	4,1	4,2	4,2	4,4	4,0	3,3	
FOREIGN TRADE ⁴⁾⁵⁾																	
Exports total (fob),cumulated	EUR mn	12132	15398	18596	21402	24255	27355	30924	34483	37265	3071	6344	9869	13512	16917	20251	
Imports total (fob),cumulated	EUR mn	13215	16731	20068	23410	26657	29671	33549	37277	40690	3254	6442	10155	13809	17580	21020	
Trade balance,cumulated	EUR mn	-1083	-1334	-1472	-2008	-2402	-2316	-2625	-2793	-3425	-182	-97	-285	-297	-663	-769	
Exports to EU (fob), cumulated	EUR mn	8585	10843	13046	14958	16862	18965	21389	23801	25692	2150	4459	6942	9480	11798	14098	
Imports from EU (fob), cumulated	EUR mn	8351	10540	12645	14758	16762	18575	20965	23196	25148	1997	3970	6229	8503	10759	12885	
Trade balance with EU, cumulated	EUR mn	234	302	401	199	100	390	424	605	543	153	490	713	977	1039	1213	
FOREIGN FINANCE																	
Current account, cumulated	USD mn			-1266			-2004			-2638			-442				
EXCHANGE RATE																	
CZK/USD, monthly average	nominal	38,7	39,3	39,8	39,3	37,9	37,6	37,0	37,5	36,5	36,3	36,5	35,8	34,3	33,3	31,7	30,0
CZK/EUR, monthly average	nominal	34,5	34,4	34,0	33,9	34,0	34,2	33,6	33,3	32,6	32,1	31,8	31,4	30,4	30,6	30,3	29,7
CZK/USD, calculated with CPI ⁶⁾	real, Jan98=100	107,2	108,5	109,0	106,4	102,7	102,9	101,1	102,3	99,2	97,5	98,3	97,0	93,4	90,9	86,9	81,6
CZK/USD, calculated with PPI ⁶⁾	real, Jan98=100	108,3	110,0	110,1	107,3	103,6	102,6	98,2	99,5	95,9	95,6	95,9	95,2	92,3	89,9	85,8	81,3
CZK/EUR, calculated with CPI ⁶⁾	real, Jan98=100	86,1	85,6	83,8	82,5	83,2	84,4	82,8	82,1	80,3	78,2	77,5	76,9	74,8	75,6	75,1	73,3
CZK/EUR, calculated with PPI ⁶⁾	real, Jan98=100	86,6	86,1	85,0	84,4	85,0	85,5	83,0	82,3	80,6	79,3	78,5	77,8	75,9	76,6	76,0	74,9
DOMESTIC FINANCE																	
M0, end of period	CZK bn	172,6	172,6	173,9	170,6	172,6	177,1	175,9	181,8	180,4	179,9	182,3	182,8	183,3	184,9	188,5	
M1, end of period ⁷⁾	CZK bn	519,9	538,0	544,1	546,7	552,3	556,5	553,1	566,7	583,6	572,8	575,2	568,8	582,5	605,0	617,5	
M2, end of period ⁷⁾	CZK bn	1466,6	1512,6	1514,1	1528,7	1547,9	1532,5	1540,5	1564,8	1596,0	1590,9	1585,3	1581,6	1606,5	1625,0	1580,5	
M2, end of period	CMPY	9,3	11,7	13,3	13,5	13,1	11,9	12,2	12,5	13,0	11,1	10,2	9,8	9,5	7,4	4,4	
Discount rate (p.a.),end of period	%	4,0	4,0	4,0	4,3	4,3	4,3	4,3	3,8	3,8	3,5	3,3	3,3	2,8	2,8	2,8	2,0
Discount rate (p.a.),end of period ⁸⁾	real, %	-0,1	0,2	0,6	1,2	1,8	2,4	2,8	2,8	2,9	2,9	3,4	3,5	2,9	3,3	3,6	3,1
BUDGET																	
Central gov.budget balance,cum.	CZK mn	-16809	-28713	-29652	-23519	-25566	-22644	-35432	-59797	-67698	-3417	-24923	-15737	-41863	-32401	-915	

¹⁾ Enterprises employing 20 and more persons.

²⁾ Ratio of job applicants to the sum of economically active, women on maternity leave and job applicants.

³⁾ Calculation based on industrial sales index (at constant prices).

Based on cumulated national currency and converted with the average exchange rate.

⁵⁾ Cumulation starting January and ending December each year.

⁶⁾ Adjusted for domestic and foreign (US resp. EU) inflation. Values less than 100 mean real appreciation.

⁷⁾ Revision based on new methodolgy starting January 2002 - excluding extrabudgetary funds.

⁸⁾ Deflated with annual PPI.

HUNGARY: Selected monthly data on the economic situation 2001 to 2002

(updated end of Aug 2002) 2001 2002 Oct Dec Apı May Jun Jul Aug Sep Nov Jan Feb Mar Apr May Jun Jul PRODUCTION Industry, tota real, CMPY 0,2 2,7 2,4 -6,4 -1,0 -2,2 0,9 -2,7 11,6 8,6 5,9 -3,4 3,1 4,5 3.1 Industry, total real, CCPY 10.8 10.4 6.9 5.3 5.3 4.6 4.1 -3.4 -1.2 0.1 0.4 8.4 7.6 1.1 0.8 Industry, total real, 3MMA 7.5 6.2 36 1.7 -N 7 0.5 -0.6 0.9 -2,2 -15 0.1 2.7 1.5 1.6 real, CMPY 22,4 26,5 22,1 Construction, total 7,1 16,8 8,7 11,7 9,9 7,2 7,0 7,4 14,0 27,3 34,8 14,4 LABOUR Employees in industry¹⁾ 839,7 835,6 834,2 834,4 831,3 828,1 824,1 821,8 812,6 829,9 828,2 826,0 821,8 814,5 819,3 th. persons Unemployment²⁾ 232.2 223.8 233.9 237.0 227.5 235.2 235.8 238.5 232.2 260.7 233.6 218.3 216.9 231.6 224.4 232.5 th. persons Unemployment rate % 5.8 5.7 54 5.7 5.8 5.3 56 5.8 5.4 5.8 59 5.7 5.5 5.7 5.7 6.4 Labour productivity, industry1) CCPY 11,1 10.9 9.3 8.6 8.0 6.6 7.0 6.6 5.9 -1.9 0.8 2.4 3.6 2.8 3.3 Unit labour costs, exch.r, adi.(EUR)1 CCPY 1,2 1,5 4,1 5,4 6.5 7,9 7.9 8,6 9.5 25.4 22.0 19,9 19,7 19,8 17.6 WAGES, SALARIES HUF 99268 98523 101567 99069 97581 99416 106173 124074 136593 112480 108878 113857 114200 118184 118854 Total economy, gross¹ Total economy, gross¹⁾ real, CMPY 8.5 4.1 6.8 4.2 7.9 10.3 12.9 14.8 10.5 11.9 12.2 12.8 8.4 13.6 11.6 Total economy, gross¹⁾ USD 332 334 351 342 350 354 377 438 493 408 389 407 417 445 468 372 381 411 398 389 389 416 494 552 461 447 465 471 485 490 Total economy, gross¹⁾ **EUR** Industry, gross¹ USD 326 352 372 438 433 388 376 403 413 455 453 361 358 356 375 **PRICES** PM 0.7 -0.2 -0.1 0.9 0.3 0.1 0.5 0.3 0.1 0.1 1.0 0.7 0.9 0.5 -0.4 Consumer 1.3 Consumer CMPY 10.3 10.8 10.5 9.4 8.7 8.0 7.6 7.1 6.8 6.6 6.2 5.9 6.1 5.6 4.8 4.6 Consumer CCPY 10,3 10,4 10,3 10,1 9,4 10,4 9,9 9,6 9,2 6,6 6,4 6,2 6,2 6,1 5,9 5,8 Producer, in industry PM 0,2 -0,7 -1,3 0,1 0,1 0,7 -0.3 -0,8 -0,7 0,1 0.3 0,3 0.3 0,1 -1,1 CMPY Producer, in industry 8.9 7.0 5.3 4.4 3.3 2.9 1.9 0.0 -0.4-2.0 -2.3-2.8 -2.7 -2.0 -1.1 Producer, in industry CCPY 9.5 9.0 8.4 7,8 7.3 6,8 6.3 5,7 5,2 -2.0 -2.2 -2.4 -2,5 -2.4 -2.2 RETAIL TRADE Turnover² real, CMPY 5,8 4,3 4,0 5.3 4,7 3,3 5,5 3,2 3,7 12,8 9,5 15,9 9.7 9,9 12,0 Turnover³ real, CCPY 6,4 5,9 5,6 5,5 5,4 5,2 5,2 5,0 4,8 12,8 11,1 12,9 12,0 11,5 11,6 FOREIGN TRADE⁴⁾⁵ Exports total (fob), cumulated EUR mn 10919 13920 16860 19563 22191 25079 28251 31550 34087 2585 5562 8795 11875 15029 18024 . Imports total (cif), cumulated EUR mn 15606 24776 31266 34713 16301 12260 18803 21956 27762 37659 2958 6193 9551 12925 19467 Trade balance, cumulated EUR mn -1341 -1686 -1943 -2392 -2585 -2683 -3015 -3163 -3573 -373 -631 -756 -1049 -1272 -1443 Exports to EU (fob), cumulated EUR mn 8392 10640 12813 14830 16740 18929 21313 23622 25319 1923 4169 6588 9031 11417 13662 Imports from EU (cif), cumulated EUR mn 20129 9172 7130 9096 10936 12825 14472 16203 18216 21764 1623 3410 5284 7260 10992 Trade balance with EU, cumulated EUR mn 1262 1544 1878 2005 2268 2726 3097 3493 3554 299 759 1304 1771 2245 2670 FOREIGN FINANCE Current account, cumulated USD mn -329 -516 -888 -807 -626 -637 -702 -812 -1105 -345 -517 -493 -847 -1252 -1631 **EXCHANGE RATE** HUF/USD, monthly average nominal 299.0 295.4 289.3 289.5 279.1 280.9 281.5 283,1 277.0 275.9 279.9 279.5 273.6 265.8 254.1 248.6 HUF/EUR, monthly average nominal 267.0 258.3 247.1 249.0 251.2 255.9 255.5 251.1 247.6 243.9 243.5 244.7 242.4 243.7 242.7 246.6 HUF/USD, calculated with CPI⁶ real, Jan98=100 115.6 113.6 111.2 110.8 107.0 107.6 107.2 107.5 104.8 103.2 104.1 103.7 101.2 97.9 94.0 92.1 HUF/USD, calculated with PPI⁶ real .lan98=100 122 2 122 0 1199 117 9 1136 113 4 1115 1126 1096 109 4 110.5 111.3 109 7 106.4 103.0 HUF/EUR, calculated with CPI⁶⁾ real, Jan98=100 93.0 89.7 85,6 86.0 87.0 88,4 88.0 86,2 85,0 83.0 82,2 82,4 81.3 81,4 81,4 82,8 91,0 HUF/EUR, calculated with PPI⁶ real. Jan98=100 95.5 92.6 92.8 93,4 94,6 94,4 93,0 90,9 90,5 97.8 92.2 90,3 90,8 91,3 DOMESTIC FINANCE M0, end of period HUF bn 903.4 849.8 872.8 907.8 932.2 957.4 965.6 1006.8 1037.9 986.0 991.8 1005.0 1029.4 1077.1 1100.7 1136.8 M1, end of period HUF bn 2235 0 2292 1 23316 2319.5 2438 1 2457 9 2478 7 2537 4 2776 3 2564.3 2569 9 2644 2 2662.3 2765.8 2802.7 2812.3 Broad money, end of period HUF bn 6059.0 6155.1 6163.7 6241.6 6516.0 6544.8 6637.4 6715.1 7090,1 6984.3 6927.4 6985.2 7133.7 7191.4 7214.0 7310 5 Broad money, end of period CMPY 11.6 13.5 12,7 13,3 15,9 15,2 15,4 13,9 17,2 17.0 15,9 16,2 17.7 16,8 17,0 17,1 NBH base rate (p.a.) end of period % 11.0 11.3 11.3 11.0 10.3 8.5 9.0 9.0 11.0 11.0 10.8 9.8 9.0 8.5 8.5 9.5 NBH base rate (p.a.),end of period⁷ real. % 1.9 3.7 5.4 6.6 7.7 7.9 8.7 10.3 10.2 11,2 11,1 11,6 11,5 11,2 10.2 BUDGET Central gov.budget balance,cum HUF bn -56,4 -66,8 -84,2 -102,7 -135,8 -170,6 -194,9 -178,5 -413,2 -59,3 -143,1 -186,9 -240,2 -280,2 -359,6

¹⁾ Economic organizations employing more than 5 persons.

²⁾ According to ILO methodology, from 2002 calculated by WIIW based on the 3-month averages.

³⁾ Excluding catering

Based on cumulated national currency and converted with the average exchange rate

⁵⁾ Cumulation starting January and ending December each year.

⁶⁾ Adjusted for domestic and foreign (US resp. EU) inflation. Values less than 100 mean real appreciation.

⁷⁾ Deflated with annual PPI

POLAND: Selected monthly data on the economic situation 2001 to 2002

		2001									2002				(updated	end of A	ug 2002)
		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
PRODUCTION																	
Industry ¹⁾	real, CMPY	3,8	-0,4	-4,7	1,5	0,9	-3,7	1,8	-1,1	-4,8	-1,4	0,3	-3,2	0,3	-4,2	2,1	6,0
Industry ¹⁾	real, CCPY	4,3	3,3	1,9	1,8	1,7	1,0	1,1	0,9	-0,2	-1,4	-0,6	-1,5	-1,1	-1,7	-1,1	-0,1
Industry ¹⁾	real, 3MMA	2,2	-0,6	-1,3	-0,9	-0,6	-0,4	-1,0	-1,3	-2,5	-2,1	-1,5	-0,9	-2,4	-0,7	1,2	-,.
Construction ¹⁾	real, CMPY	-10,8	0,3	-10,0	-10,3	-14,0	-10,9	-9,7	-9,5	-10,5	-21,5	-13,9	-14,3	-6,2	-20,3	-13,2	-3,9
LABOUR										·							
Employees ¹⁾	th. persons	5156	5135	5121	5097	5074	5060	5044	5020	4952	4940	4931	4924	4907	4896	4898	4884
Employees in industry ¹⁾	th. persons	2651	2634	2624	2608	2594	2584	2589	2576	2528	2494	2492	2486	2475	2471	2471	.001
Unemployment, end of period	th. persons	2878,0	2841,1	2849,2	2871,5	2892,6	2920,4	2944,3	3022,4	3115,1	3253,3	3277,9	3259,9	3203,6	3064,6	3090,9	3105,3
Unemployment rate ²⁾	%	16,0	15,9	15,9	16,0	16,2	16,3	16,4	16,8	17,4	18,0	18,1	18,1	17,8	17,2	17,3	17,4
Labour productivity, industry ¹⁾	CCPY	9,4	8,4	7,0	7,0	6,9	6,3	6,4	6,3	5,8	5,5	6,5	5,5	6,0	5,2	5,7	· .
Unit labour costs, exch.r. adj.(EUR)1)	CCPY	6,8	9,5	12,4	12,7	11,5	10,8	10,3	10,4	10,4	8,4	5,0	3,8	2,0	0,5	-2,2	
WAGES, SALARIES																	
Total economy, gross ¹⁾	PLN	2176	2163	2148	2199	2192	2218	2252	2302	2471	2188	2189	2252	2226	2255	2232	2289
Total economy, gross ¹⁾	real, CMPY	-1,2	1,8	-1,1	3,0	1,8	1,8	3,9	3,0	1,8	2,1	2,0	1,5	-0,6	2,5	2,5	2,8
Total economy, gross ¹⁾	USD	542	543	541	525	516	526	545	562	616	538	523	544	549	557	555	556
Total economy, gross ¹⁾	EUR	606	621	634	611	574	577	602	633	690	609	601	621	619	609	580	560
Industry, gross ¹⁾	USD	534	542	537	526	516	512	532	579	636	545	526	542	549	546	556	
PRICES																	
Consumer	PM	0,8	1,1	-0,1	-0,3	-0,3	0,3	0,4	0,1	0,2	0,8	0,1	0,2	0,5	-0,2	-0,4	-0,5
Consumer	CMPY	6,6	6,9	6,2	5,2	5,1	4,3	4,0	3,6	3,6	3,4	3,5	3,3	3,0	1,9	1,6	1,3
Consumer	CCPY	6,8	6,9	6,7	6,5	6,3	6,1	5,9	5,7	5,5	3,6	3,6	3,5	3,4	3,1	2,8	2,6
Producer, in industry	PM	0,2	0,0	-0,4	0,3	0,8	0,5	-0,6	-0,6	-0,3	0,1	0,2	0,2	0,3	0,1	0,2	0,5
Producer, in industry	CMPY	3,4	2,3	0,9	0,6	1,0	0,7	-0,5	-1,0	-0,4	0,0	0,2	0,3	0,4	0,5	1,2	1,4
Producer, in industry	CCPY	4,1	3,8	3,3	2,9	2,7	2,5	2,2	1,9	1,6	0,1	0,2	0,3	0,3	0,4	0,5	0,6
RETAIL TRADE																	
Turnover ¹⁾	real, CMPY	-2,5	0,2	-1,8	-0,1	1,1	0,2	5,1	2,1	1,1	3,9	6,6	8,2	1,0	1,1	1,8	
Turnover ¹⁾	real, CCPY	-2,6	-1,2	-1,4	-0,8	-0,4	-0,4	0,1	0,4	0,7	3,9	5,3	5,8	4,0	3,3	3,1	•
FOREIGN TRADE ³⁾⁴⁾	100., 001 1	2,0	.,_	.,.	0,0	٠, .	٠, .	٥, .	٠, .	٥,.	0,0	0,0	0,0	.,0	0,0	0,.	•
Exports total (fob), cumulated	EUR mn	13157	16497	19836	23049	26297	29948	33899	37388	40372	3283	6554	10248	13964	17280	20649	
Imports total (cif), cumulated	EUR mn	18084	22896	27654	32482	36888	41518	46871	51754	56220	4119	8579	13518	18845	23558	28246	
Trade balance, cumulated	EUR mn	-4928	-6399	-7819	-9433	-10591	-11570	-12971	-14365	-15847	-836	-2025	-3270	-4881	-6279	-7598	
Exports to EU (fob), cumulated	EUR mn	9396	11764	14102	16323	18466	20902	23532	25930	27940	2383	4663	7206	9714	11763	14373	
Imports from EU (cif), cumulated	EUR mn	11080	14028	16932	19958	22599	25484	28814	31783	34510	2454	5266	8364	11505	14438	17481	•
Trade balance with EU, cumulated	EUR mn	-1684	-2264	-2829	-3635	-4133	-4582	-5282	-5852	-6569	-71	-603	-1158	-1791	-2676	-3108	
FOREIGN FINANCE																	
Current account, cumulated	USD mn	-2752	-3489	-4440	-4745	-5105	-5413	-6249	-6667	-7166	-868	-1684	-2336	-2970	-3519	-3895	
EXCHANGE RATE	000 11111	2102	0100	1110	1110	0100	0110	0210	0001	7 100	000	1001	2000	2010	0010	0000	
PLN/USD, monthly average	nominal	4,017	3,981	3,970	4,186	4,246	4,219	4,133	4,094	4,014	4,065	4,187	4,143	4,059	4,045	4,025	4,118
PLN/EUR, monthly average	nominal	3,590	3,485	3,389	3,600	3,822	3,845	3,743	3,639	3,583	3,595	3,641	3,629	3,595	3,703	3,847	4,088
PLN/USD, calculated with CPI ⁵⁾	real, Jan98=100	97,3	95,8	95,8	101,0	102,8	102,2	99,4	98,2	95,8	96,4	99,6	98,9	97,0	96,8	96,8	99,6
PLN/USD, calculated with PPI ⁵⁾	real, Jan98=100	104,6	104,1	103,2	106,7	107,4	106,1	102,3	101,5	98,6	100,1	102,8	102,7	101,2	100,8	100,2	102,0
PLN/EUR, calculated with CPI ⁶⁾	real, Jan98=100	78,4	75,6	73,7	78,3	83,5	83,9	81,4	78,9	77,6	77,5	78,6	78,5	77,8	80,4	83,8	89,5
PLN/EUR, calculated with PPI ⁵⁾	real, Jan98=100	83,8	81,5	79,6	83,9	88,3	88,5	86,3	84,0	82,8	83,2	84,1	84,0	83,2	85,7	88,8	93,9
DOMESTIC FINANCE	,	,.	. ,-	-,-	,-			,-		. , .	,	- ,	. ,.	,	,		
M0, end of period	PLN bn	34,5	33,8	35,0	35,3	35,5	36,6	36,6	36,6	38,2	36,8	37,9	38,8	40,0	39,8	41,2	41,8
M1, end of period ⁶⁾	PLN bn	102,6	104,0	104,6	107,6	107,2	110,5	110,2	108,2	118,3	111,7	115,4	114,8	116,3	121,6	126,1	-11,0
M2, end of period ⁶⁾	PLN bn	310,2	312,5	314,3	320,0	323,4	325,4	329,2	321,2	327,6	322,2	324,6	319,0	317,6	322,0	321,9	
M2, end of period	CMPY	13,7	12,9	7,7	12,6	13,5	12,6	11,4	7,5	9,0	7,8	6,9	3,2	2,4	3,1	2,4	•
Discount rate (p.a.),end of period	%	19,5	19,5	18,0	18,0	17,0	17,0	15,5	14,0	14,0	12,0	12,0	12,0	11,0	10,5	10,0	
Discount rate (p.a.),end of period ⁷⁾	real, %	15,6	16,8	16,9	17,3	15,8	16,2	16,1	15,2	14,5	12,0	11,8	11,7	10,6	10,0	8,7	
BUDGET	, 70	, .	, .	, .	,5	, .	, -	, .	, -	,5	,,	,5	, .	,5	, .	-,,	•
Central gov.budget balance, cum.	PLN mn	-18282	-20384	-18806	-19316	-20932	-21865	-24739	-27651	-32358	-6963	-13668	-16437	-19911	-22985	-24980	-25665
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¹⁾ Enterprises employing more than 9 persons.

²⁾ Ratio of unemployed to the economically active.

³⁾ Based on cumulated national currency and converted with the average exchange rate.

⁴⁾ Cumulation starting January and ending December each year.

⁵⁾ Adjusted for domestic and foreign (US resp. EU) inflation. Values less than 100 mean real appreciation.

⁶⁾ Revised according to ECB monetary standards.

⁷⁾ Deflated with annual PPI.

R O M A N I A: Selected monthly data on the economic situation 2001 to 2002

(updated end of Aug 2002) 2001 2002 Dec Apı May Jun Jul Aug Sep Oct Nov Jan Feb Mar Apr May Jun Jul PRODUCTION Industry, total1) real, CMPY 12,5 12,9 5,0 4,6 2,5 9,5 8,4 5,0 5,0 -0,1 0,1 5,7 5,3 5,6 6,5 Industry, total1) real, CCPY 11.3 11.6 10.5 9.7 9.1 8.3 8.4 8.2 5.0 3.8 3.6 8.4 5.0 3.1 3.0 Industry, total real, 3MMA 10.9 10.1 79 5.1 43 5.6 6.8 7.8 6.3 5.1 3.1 3.4 1.8 4 0 I AROUR Employees total 4485,2 4521,5 4529,7 4542,3 4546,4 4551,7 4544,8 4507,3 4470,3 4314,2 4333,8 4377,7 4386,8 4397,5 4404,2 th. persons Employees in industry th. persons 1828,2 1833,5 1833,2 1836,7 1845,0 1843,6 1843,5 1829,7 1820,0 1833,8 1831,3 1830,2 1823,7 1824,2 1814,0 Unemployment, end of period 771.8 1257.4 983.3 929.7 948.4 890.8 840.3 798.3 747.1 742.4 774.0 826.9 1193.7 1267.4 1069.7 th. persons Unemployment rate² % 98 92 87 8.3 8.0 7.8 77 8.0 8.6 124 13 2 13.0 11 1 10.2 96 Labour productivity, industry CCPY 16,4 16.4 15,1 14,0 13.1 12,1 12.1 11,9 11,5 3,8 4.2 2.5 3.4 2.8 3,6 Unit labour costs, exch.r, adi.(EUR) CCPY -2.5 -1,1 1,6 4,1 4,6 5,0 4.5 4,1 3.9 14.3 14.9 14.4 10,8 7,9 4,6 WAGES, SALARIES th. ROL 4321,7 4174,7 4280,6 4436,3 4449,5 4424,0 4534,1 4719,7 5299,7 5144,8 4778,5 5091,1 5585,4 5329,1 5327,1 Total economy, gross real, CMPY Total economy, gross 10.8 13.6 13.1 18.1 15.6 12.8 11.3 7.8 2.3 10.5 10.1 9.5 3.9 2.5 0.3 Total economy, gross USD 155 147 148 151 149 146 147 151 168 161 148 155 169 159 160 174 168 173 176 166 161 163 170 188 170 177 191 173 167 Total economy, gross **EUR** 182 Industry, gross USD 159 154 153 170 147 149 161 158 150 151 150 155 170 159 161 **PRICES** PM 2.7 0.5 2.7 1.6 2.2 1.9 2.4 2.2 1.2 0.4 2.0 1.9 1.2 Consumer 1.7 1.3 2.3 Consumer CMPY 37.5 37 4 35.7 31.8 323 31.2 30.8 30.7 30.3 28.6 27.2 25.1 24.4 24.5 24.0 23.0 Consumer CCPY 39,4 39,0 37,3 36,7 36,0 35,4 34,9 34,5 27,9 26.3 25,9 38,4 28,6 26,9 25,6 25,2 Producer, in industry PM 1,5 2.3 1,6 3,0 2.1 2,0 2.1 1,4 1,4 2.0 1,7 1,6 2.3 2,1 1,4 CMPY Producer, in industry 48.5 48.5 43.9 40.2 39.2 36.4 33.7 31.3 30.1 28.3 25.9 25.2 26.1 25.9 25.7 Producer, in industry CCPY 50.1 49.7 48.7 47.3 46.2 44.9 43.6 42,2 41,0 28,3 27,1 26,4 26.3 26,3 26.2 RETAIL TRADE real, CMPY Turnover -1,6 -6,4 3,2 1,8 1,7 5,1 2,6 -3,0 -0,3 8,4 -1,9 Turnover real, CCPY -0,4 -0,5 -1,6 -0,8 -0,5 -0,2 0,4 0,6 0,3 -3,0 -1,6 -1,7 0,4 1,1 FOREIGN TRADE³⁾⁴ Exports total (fob), cumulated EUR mn 4039 5158 7525 8604 9672 10693 11795 12711 1034 2134 3309 4497 6924 6342 5641 Imports total (cif), cumulated EUR mn 5425 7090 11413 8884 8617 10115 12637 14221 15787 17363 1332 2710 4170 5741 7266 Trade balance, cumulated EUR mn -1386 -1932 -2275 -2590 -2809 -2965 -3528 -3992 -4652 -298 -576 -861 -1244 -1626 -1960 Exports to EU (fob), cumulated EUR mn 2773 3522 4321 5093 5802 6535 7254 8011 8619 746 1532 2347 3148 3923 4786 Imports from EU (cif), cumulated EUR mn 4831 9100 3005 3930 5775 6491 7190 8161 9957 780 1545 2404 3362 4271 5278 Trade balance with EU, cumulated EUR mn -233 -408 -510 -682 -688 -655 -907 -1089 -1338 -34 -13 -57 -214 -349 -492 FOREIGN FINANCE Current account, cumulated USD mn -791 -1197 -1337 -1382 -1387 -1378 -1626 -1903 -2349 -59 -180 -286 -543 -665 -909 **EXCHANGE RATE** ROL/USD, monthly average 27878 28493 28952 29364 29809 30236 30786 31299 31556 32052 32233 32766 33102 33491 33392 32979 nominal ROL/EUR, monthly average nominal 24880 24910 24732 25266 26853 27549 27899 27806 28205 28281 28054 28698 29316 30774 31912 ROL/USD, calculated with CPI⁵ real, Jan98=100 113.5 114.6 114.8 114.6 113.8 112.8 111.4 109.6 109.0 108.8 109.5 108.0 113.8 110.7 110.3 106.1 ROL/USD, calculated with PPI⁵ real .lan98=100 115.3 115.7 1146 111.0 1104 109.6 106 9 106.8 104 9 104.8 103.5 104.8 104 4 103.5 1018 ROL/EUR, calculated with CPI⁵⁾ real, Jan98=100 91,4 90.4 88,4 89.0 92.6 93.5 92.4 89.5 88,9 87,5 86.0 87.9 88.5 91,4 93.5 95,4 90,4 84,8 ROL/EUR, calculated with PPI⁵ real. Jan98=100 90,6 87,4 91,5 88,4 88.3 87.0 90,4 92.4 88.5 90,9 85,8 86,0 88,5 DOMESTIC FINANCE M0, end of period 29328 29830 30835 37683 34997 ROL bn 25811 25457 29645 32645 31080 35635 30021 32411 33416 39615 M1, end of period ROI bn 42070 41751 46001 46945 48172 51073 50032 50331 64309 50757 54482 55881 60373 59796 64366 M2, end of period ROL bn 198613 199829 208498 216377 226557 235145 236890 244841 270512 259932 267090 275326 286066 290629 300912 42.4 39.7 40.4 41.5 43.3 44,0 44.4 48,8 46,2 44.3 43.4 43,7 44,0 45,4 44.3 Discount rate (p.a.),end of period⁶⁾ 35.0 35.0 35.0 35.0 35.0 35.0 35.0 35.0 35.0 35.0 34.6 34.2 34.1 32.2 30.6 28.3 % Discount rate (p.a.),end of period 6)7) real. % -9.1 -9.1 -6.2 -3.7 -3.0 -1.0 1.0 2.8 3.8 5,2 6.9 7,2 6.3 5.0 3.9 BUDGET Central gov.budget balance, cum ROL bn -10875 -14045 -22689 -26092 -27530 -30417 -31250 -32016 -35809 -4416 -8978 -11228 -14009 -14789 -29334

¹⁾ Enterprises with more than 50 (in food industry 20) employees.

²⁾ Ratio of unemployed to econcomically active population as of December of previous year, from 2001 as of December 2000.

³⁾ Based on cumulated USD and converted using the ECB EUR/USD average foreign exchange reference rate.

Cumulation starting January and ending December each year.

⁵⁾ Adjusted for domestic and foreign (US resp. EU) inflation. Values less than 100 mean real appreciation.

⁶⁾ From 1, February 2002 reference rate of RNB.

⁷⁾ Deflated with annual PPI.

R U S S I A: Selected monthly data on the economic situation 2001 to 2002

															(updated	end of A	ug 2002)
		2001						0.1		_	2002						
		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
PRODUCTION																	
Industry, total	real, CMPY	7,0	7,0	3,7	4,5	5,1	3,8	5,1	4,7	2,6	2,2	2,0	3,7	4,3	2,8	4,4	7,8
Industry, total	real, CCPY	5,7	5,9	5,5	5,4	5,3	5,2	5,2	5,1	4,9	2,2	2,1	2,6	3,0	3,0	3,2	3,9
Industry, total ¹⁾	real, 3MMA	6,3	5,9	5,1	4,4	4,4	4,7	4,5	4,1	3,2	2,3	2,6	3,3	3,6	3,8		
Construction, total	real, CMPY	7,0	6,6	6,3	8,1	12,7	12,3	12,2	13,5	16,7	4,1	1,5	2,0	3,3	3,1	2,8	
LABOUR																	
Employment total ²⁾	th. persons	64000	64500	64800	65100	65500	65200	64900	64700	64800	64900	65000	65300	65700	66000	66600	
Unemployment, end of period ³⁾	th. persons	6419	6068	6095	6122	6149	6200	6252	6303	6190	6077	5964	5819	5674	5529	5472	5452
Unemployment rate ³⁾	%	9,1	8,6	8,6	8,6	8,6	8,7	8,8	8,9	8,7	8,6	8,4	8,2	7,9	7,7	7,6	7,6
WAGES, SALARIES																	
Total economy, gross	RUB	2923,0	3054,0	3284,0	3364,0	3376,0	3405,0	3515,0	3578,0	4541,0	3760,0	3725,0	4031,0	4110,0	4187,0	4460,0	4520,0
Total economy, gross	real, CMPY	14,7	16,3	15,7	19,6	21,9	19,8	21,9	20,1	26,3	15,5	19,0	16,3	20,9	18,0	18,2	16,7
Total economy, gross	USD	101	105	113	115	115	116	119	120	151	123	121	130	132	134	142	143
Total economy, gross	EUR	113	120	132	134	128	127	131	135	169	140	139	148	149	146	149	144
Industry, gross	USD	131	134	141	145	149	148	153	155	177	147	146	158	160	159		
PRICES																	
Consumer	PM	1,8	1,8	1,6	0,5	0,0	0,6	1,1	1,4	1,6	3,1	1,2	1,1	1,2	1,7	0,5	0,7
Consumer	CMPY	25,0	25,0	23,7	22,2	20,9	20,1	18,9	18,8	18,8	19,2	17,9	17,0	16,3	16,2	14,9	15,1
Consumer	CCPY	23,0	23,4	23,4	23,2	22,9	22,6	22,2	21,9	21,6	19,2	18,5	18,0	17,5	17,3	16,8	16,6
Producer, in industry	PM	0,9	0,9	2,0	0,9	0,0	-0,1	0,4	0,3	0,2	0,4	-0,3	-0,1	2,2	2,5	3,1	2,6
Producer, in industry	CMPY	23,8	22,6	22,4	19,4	17,4	15,0	12,5	11,4	10,7	9,0	6,9	5,5	6,8	8,5	9,6	11,4
Producer, in industry	CCPY	25,8	25,1	24,7	23,8	23,0	22,0	21,0	20,0	19,1	9,0	7,9	7,1	7,0	7,4	7,7	8,3
RETAIL TRADE																	
Turnover ⁴⁾	real, CMPY	10,5	12,3	11,5	11,1	11,9	11,1	12,2	11,6	10,8	9,4	8,2	8,8	9,4	5,9	7,5	
Turnover ⁴⁾	real, CCPY	8,2	9,0	9,5	9,7	10,0	10,1	10,3	10,5	10,5	9,4	8,8	8,8	9,0	8,3	8,2	
FOREIGN TRADE ⁵⁾⁶⁾																	
Exports total, cumulated	EUR mn	36782	46583	57225	66660	76667	85914	94737	104254	113443	7700	15392	24972	35511	44698	53220	
Imports total, cumulated	EUR mn	17098	22294	27733	32860	37978	42588	47903	53594	60029	4168	8767	14090	19735	24737	29768	
Trade balance, cumulated	EUR mn	19684	24288	29493	33800	38689	43325	46835	50660	53414	3531	6624	10882	15775	19961	23452	
FOREIGN FINANCE																	
Current account, cumulated	USD mn			20842			28092			34575			7200			14600	
EXCHANGE RATE																	
RUB/USD, monthly average	nominal	28,851	29.028	29.115	29.223	29.343	29.430	29,538	29,797	30,100	30,473	30.806	31,064	31.174	31,255	31,405	31,515
RUB/EUR, monthly average	nominal	25.769	25,415	24.871	25,111	26.370	26.821	26.784	26,478	26.852	26.952	26.781	27,201	27.596	28.682	29.965	31.323
RUB/USD, calculated with CPI ⁷⁾	real, Jan98=100	162,3	161,1	159,3	158,7	159,3	159,5	157,8	156,7	155,3	152,8	153,3	153,7	153,3	151,1	151,2	150,7
RUB/USD, calculated with PPI ⁷⁾	real, Jan98=100	184,0	184,2	179.3	175,5	176,2	176,8	172,8	173,1	172,4	174.4	176,7	180,5	178,8	174,9	170,6	166,9
RUB/EUR, calculated with CPI ⁷⁾	real, Jan98=100	130,6	127,1	122,6	122,9	129,2	130,9	129,3	125,8	125,7	122,8	120,9	121,9	122,8	125,8	130,6	135,6
RUB/EUR, calculated with PPI ⁷⁾	real, Jan98=100	147,2	144,2	138.4	137,9	144.7	147.4	146,1	143,2	144,7	144,9	144.4	147,4	147,0	149,2	151,0	153.8
DOMESTIC FINANCE	,	,	,	,	- ,-	,	,	-,	-,	,	,-	,	,	,-	-,	- ,-	,-
M0, end of period	RUB bn	435.3	438,3	474.7	490,6	507,1	531.0	531,5	527,3	584,3	533,4	543.4	552,9	610.3	607,5	645.9	
M1, end of period	RUB bn	918.2	938,5	987.9	1015,1	1040.8	1074.9	1084,4	1058.1	1192,6	1079,4	1084.6	1106,3	1147,5	1204,1	1254,5	•
M2, end of period	RUB bn	1683.4	1730,0	1798.7	1842.3	1870.4	1925,5	1974,7	1984.9	2122.7	2056,3	2105,0	2137,7	2213.5	2288,3	2356,8	•
M2, end of period	CMPY	49,9	47,8	44,7	41,5	40,9	38,7	39,5	36,2	36,1	34,3	30,3	31,0	31,5	32,3	31,0	•
Refinancing rate (p.a.),end of period	%	25,0	25,0	25,0	25,0	25,0	25,0	25,0	25,0	25,0	25,0	25,0	25,0	23,0	23,0	23,0	23,0
Refinancing rate (p.a.),end of period ⁸⁾	real, %	1,0	1,9	2,1	4,7	6,5	8,7	11,1	12,2	12,9	14,6	17,0	18,4	15,2	13,3	12,3	10,4
BUDGET	, , , ,	.,,,	.,,	_,.	-,-	-,3	-,.	,.	,_	,0	,,	,5	, .	, -	, .	,5	-,.
Central gov.budget balance, cum.	RUB bn	86,6	120,2	133,1	167,6	174.4	178,6	214,7	257,4	264,7	82,9	89,2	108,1	132,3	148,0	150,6	
		33,0	,_	,1	, .	,	,0	,,	20.,1	,,,	02,0	00,£	.00,1	.02,0	, 0	.00,0	•

¹⁾ Seasonally adjusted.

²⁾ Based on labour force survey.

According to ILO methodology.

⁴⁾ Including estimated turnover of non-registered firms, including catering.

⁵⁾ Based on cumulated USD and converted using the ECB EUR/USD average foreign exchange reference rate.

⁶⁾ Cumulation starting January and ending December each year, incl. estimates of non-registered imports.

⁷⁾ Adjusted for domestic and foreign (US resp. EU) inflation. Values less than 100 mean real appreciation.

⁸⁾ Deflated with annual PPI.

S L O V A K REPUBLIC: Selected monthly data on the economic situation 2001 to 2002

(updated end of Aug 2002) 2001 2002 Dec Apı May Jun Jul Aug Sep Oct Nov Jan Feb Mar Apr May Jun Jul PRODUCTION Industry, tota real, CMPY 8,9 9,4 5,8 6,8 3,9 2,1 0,3 8,9 6,4 8,5 8,4 4,8 -1,5 3,8 3,8 Industry, tota real, CCPY 7.5 7.7 7.9 8.1 7.8 7.7 7.8 7.4 6.9 0.3 2.5 3.2 3.3 1.1 3.0 Industry, total real, 3MMA 6.8 7.9 89 8.0 7.3 7.1 6.3 4.9 2.2 2.4 1,1 3.9 3.6 5.4 real, CMPY -4,1 -8,2 -1,5 Construction, total 3,3 0,7 -1,6 -6,7 -1,2 -4,2 -5,5 -0,8 8,9 7,0 LABOUR Employment in industry 554,0 555,8 557,2 555,7 556,0 554,1 553,5 549,1 542,9 543,0 544,2 545,7 546,4 549,3 th. persons Unemployment, end of period¹⁾ 519.0 498,7 505.2 506.1 497.6 499.3 513.1 563.9 560.2 546.3 521.0 510.2 507.0 505.0 510.7 533.7 th. persons Unemployment rate¹ % 18.3 17.5 178 18.0 17.8 17 4 17.3 17 7 18 6 197 196 19 1 18 1 177 176 176 Labour productivity, industry CCPY 6.2 6.4 6,6 6.8 6.5 6.4 6.6 6.3 5.9 2.3 4.6 3.1 5.0 5.0 5.0 Unit labour costs, exch.r. adj.(EUR) CCPY -0,2 0,1 0,4 0,6 0,8 0,8 0.9 1,5 2,4 9.7 8.5 9,8 7,6 6,3 4,9 WAGES, SALARIES SKK 12708 13459 13809 13322 13125 12667 13763 15835 15258 13529 12866 13565 13687 14340 14706 Industry, gross Industry, gross real, CMPY 3.2 2.5 2.7 1.3 1.0 -0.3 3.1 4.4 7.0 2.8 6.3 4.2 4.0 3.2 3.8 Industry, gross USD 261 273 275 269 274 265 286 326 316 281 265 283 290 306 316 292 312 322 313 305 291 316 367 354 318 304 323 328 334 332 Industry, gross **EUR PRICES** Consume PM 0,5 0,5 0,3 0,2 -0,2 0,2 0,0 0,0 0,2 0,4 0,0 0.4 0,2 -0,4 -0,3 CMPY Consumer 7.8 8.0 7.8 7.3 6.9 6.4 6.4 6.2 4.3 3.6 3.6 3.2 2.6 2.0 7.1 7.4 Consumer CCPY 6.9 7.0 7.1 7.2 7.3 7.3 7.3 7.2 7.1 6.2 5.2 4.7 4.4 4.2 3.9 3.6 Producer, in industry -0,4 -0,1 -0,2 -0,4 -0,1 0,0 0,8 -0,2 PM 0,3 -0,3 0,4 0,1 0,4 1,8 -0,4 0,2 Producer, in industry CMPY 9.2 7,9 7,5 6.2 5,9 4,8 3,6 2,4 2,2 2,4 2.3 1,5 2.0 2,1 1,5 2.2 Producer, in industry CCPY 9.4 9.1 8.9 8.5 8.1 7.8 7.3 6.9 6.5 2.4 2.3 2.1 2.0 2.1 2.0 2.0 RETAIL TRADE Turnover real, CMPY 2.8 3.9 0.4 5.1 5.4 6.1 5.0 4.8 5.4 Turnover real, CCPY 3,4 3,5 3,0 3,3 3,6 3,9 4,0 4,1 4,2 FOREIGN TRADE²⁾³⁾ Exports total (fob),cumulated 3400 5903 EUR mn 4572 5839 7084 8284 9365 10575 11856 13088 14102 1065 2188 4696 7203 8538 Imports total (fob),cumulated EUR mn 5158 6604 8040 9436 10704 12073 13567 15101 16485 1200 2473 3859 5288 6750 8181 9677 EUR mn -1140 Trade balance.cumulated -585 -764 -956 -1152 -1338 -1498 -1712 -2013 -2383 -135 -285 -460 -592 -847 -978 Exports to EU (fob), cumulated EUR mn 2805 3586 4351 5068 5648 6371 7121 7865 8441 664 1368 2117 2898 3608 4398 5202 Imports from EU (fob), cumulated EUR mn 2545 3292 4038 4779 5377 6056 6801 7557 8207 584 1221 1922 2654 3383 4122 4907 Trade balance with EU, cumulated EUR mn 260 294 289 271 315 308 80 244 225 276 294 313 320 235 147 195 FOREIGN FINANCE USD mn Current account, cumulated -372 -586 -784 -856 -956 -1131 -1251 -1492 -1756 -84 -168 -312 -446 -762 **EXCHANGE RATE** SKK/USD, monthly average nominal 48 7 493 50.2 49.6 48 0 47.8 48 1 48.5 48 2 48 1 48 6 47.9 47 1 46.9 46.5 44 8 SKK/EUR, monthly average nominal 43,5 43,2 42,8 42.6 43,1 43,5 43,6 43,1 43,1 42,5 42.3 41,9 41,7 43,0 44.3 44,5 SKK/USD, calculated with CPI4 real. Jan98=100 113.1 114.4 116.2 114.2 110.9 110.6 111.0 111.8 110.5 108.7 109.9 108.9 107.4 106.6 106.4 SKK/USD, calculated with PPI4 real. Jan98=100 124.9 125.6 122.6 118.6 118.9 117.2 118.1 114.2 113.4 111.8 111.5 111.2 106.8 122.5 116.0 113.4 SKK/EUR, calculated with CPI4 real .lan98=100 90.8 90.2 893 88 5 89.8 90.7 90.8 89 6 89 5 87.3 86.6 86.3 85.9 88.5 91.6 922 SKK/EUR, calculated with PPI⁴⁾ real, Jan98=100 97.9 97.8 96,8 96.3 97.2 99,0 98.9 97,6 97,4 94.9 92,7 92,6 91.7 94.9 98.1 98,3 DOMESTIC FINANCE 70,0 70,7 74,9 M0, end of period SKK bn 65,6 67,3 69,3 72,7 79,1 81,0 79,7 80,1 79,6 78,8 79,0 79,6 79,3 M1, end of period SKK bn 182.0 186.3 195.8 198.4 207.0 214.0 228.5 217.8 214.2 210.3 210.6 212.1 218.7 220.2 189.8 207.4 M2, end of period SKK hn 619.8 6193 625.3 633 9 644 0 6418 635.3 651.3 680.3 668 4 674 8 666.0 6628 668 7 678.9 6922 M2, end of period CMPY 14.0 13.5 14.5 13.6 10.3 9.5 9,3 12.0 13,1 10.2 10.9 8.8 6.9 8.0 9.2 8.6 Discount rate (p.a.),end of period5 8,8 8,8 8,8 8,8 8,8 8,8 8,8 8,8 8,8 7,8 7,8 7,8 8,3 8,3 8,3 8,3 Discount rate (p.a.),end of period 5)6) -0.46.3 real. % 0.8 1.2 2.5 2.8 3.8 5.0 6.4 5.2 5.3 6.2 6.1 6.0 6.6 5.9 BUDGET SKK mn -14916 -14649 -13462 -22339 -22415 -22878 -27560 -29797 -44371 -2902 -10851 -15185 -13497 -20825 -24661 -34768 Central gov.budget balance.cum.

¹⁾ Ratio of disposable number of registered unemployment calculated to the economically active population as of previous year.

²⁾ Based on cumulated national currency and converted with the average exchange rate.

³⁾ Cumulation starting January and ending December each year.

⁴⁾ Adjusted for domestic and foreign (US resp. EU) inflation. Values less than 100 mean real appreciation.

⁵⁾ From January 2002 corresponding to the 2-week limit rate of NBS

⁶⁾ Deflated with annual PPI.

S L O V E N I A: Selected monthly data on the economic situation 2001 to 2002

(updated end of Aug 2002) 2001 2002 Oct Dec Apı May Jun Jul Aug Sep Nov Jan Feb Mar Apr May Jun Jul PRODUCTION Industry, tota real, CMPY 9,4 -3,9 6,4 2,9 0,1 0,2 3,9 3,2 9,6 0,1 -1,9 1,2 -1,1 7,2 -1,5 Industry, total real, CCPY 5.8 4.8 3.2 3.7 3.6 3.0 3.5 3.2 2.9 3.9 3.5 1.7 3.7 2.1 2.9 Industry, total real, 3MMA 4.3 1.8 1.0 1,6 2.7 3.0 2 0 2.5 1,3 2.4 1.7 3.6 2.6 25 Construction, total1 real, CMPY 0,6 0,7 -2,7 -5,5 0,4 -2,2 -3,9 1,6 -3,2 -9,0 -11,6 -3,9 -6,1 -0,1 -4,9 LABOUR Employment total th. persons 776,3 779,8 781,9 782,3 782,1 786,2 786,6 785,6 782,1 779,5 781,3 782,8 784,3 785,3 785,6 Employees in industry²⁾ 223.0 223.5 222.9 221.9 221.8 221.5 221.2 219.8 220.2 220.2 220.5 219.8 219.6 223.4 th. persons Unemployment, end of period th persons 102 7 100 1 97.8 992 98 1 998 102 2 103 2 1043 106.2 105.0 103 5 102 7 101 1 100 1 Unemployment rate3) % 11,7 11.4 11,1 11.3 11.1 11.3 11.5 11,6 11,8 12.0 11.8 11,7 11,6 11.4 11.3 Labour productivity, industry CCPY 5,6 4,6 3,0 3,5 3,5 3,1 3,8 3,6 3,5 6,9 6,6 4,8 6,9 6,2 5,4 Unit labour costs, exch.r. adj.(EUR) CCPY 0,4 2,3 1,6 -3,2 -3,3 -1,2 -2,6 1,1 1,5 1,1 1,1 1,1 -1,7 1,7 WAGES, SALARIES Total economy, gross th. SIT 206.9 210.5 209.3 210.1 216.4 214.1 219.2 234.8 234.1 226.4 223.3 227.0 228.8 231.1 229.2 Total economy, gross real, CMPY 4,1 2.0 1,7 1,3 3.0 3,0 3.3 3,0 2.6 8,0 0.9 2.0 2,0 2,1 2.5 939 USD 855 852 823 829 889 890 903 946 945 901 870 888 901 967 Total economy, gross Total economy, gross **EUR** 960 974 965 989 976 997 1066 1059 1020 1001 1014 1019 1026 965 1014 USD 731 Industry, gross 732 700 709 770 757 779 818 791 771 735 760 767 806 **PRICES** Consumer PM 0.7 1.1 0.4 0.2 0.0 0.9 0.5 0.4 0.1 1.6 0.9 0.7 1.4 0.3 -0.2 0.5 Consumer CMPY 9,7 9,0 9,5 8,8 8,5 7,9 7,8 7,0 7,0 8,4 8,1 7,6 8,4 7,5 6,8 7,2 CCPY 8.8 9.0 9.1 9.0 9,0 8.8 8,7 8,6 8,4 8,4 8.3 8,1 8.2 8,0 7,8 7,7 Producer, in industry PM 0.9 0.1 0.3 0.4 0.3 0.4 1.0 0.5 1.0 0.3 0.6 0.4 0.4 0.1 0.2 0.2 Producer, in industry CMPY 10.0 9.9 9.8 9.2 8.2 8.0 7.2 7,1 7.5 5.8 5.3 6,3 5.7 5.7 5.6 5,3 Producer, in industry CCPY 10,1 10,1 10,0 9.9 9,7 9,5 9.3 9,1 8,9 5,8 5,6 5,8 5,8 5,7 5,7 5,7 RETAIL TRADE real, CMPY Turnover 11,0 5,6 3,2 12,2 5,5 5,3 6,4 9,2 8,5 8,5 8,3 5,7 real, CCPY Turnover 8.9 8.2 7.3 8.0 8.2 7.9 8.1 7.8 7.7 9.2 8.8 8.7 8.6 8.0 FOREIGN TRADE⁴⁾⁵ Exports total (fob), cumulated EUR mn 3438 4348 6900 7782 8741 9627 10348 1686 2653 4538 5454 5264 6196 829 3622 11342 Imports total (cif), cumulated EUR mn 3758 4803 5783 6775 7548 8466 9481 10463 877 1792 2817 3860 4844 5762 Trade balance total, cumulated EUR mn -320 -456 -519 -580 -649 -684 -740 -836 -994 -48 -106 -164 -238 -306 -307 Exports to EU (fob), cumulated EUR mn 2779 3929 4342 4882 6006 6434 1082 1670 2253 2223 3343 5465 553 2789 Imports from EU (cif), cumulated EUR mn 2551 3269 3934 4611 5110 5724 6414 7090 7677 587 1204 1913 2622 3306 Trade balance with EU, cumulated EUR mn -328 -489 -591 -681 -768 -843 -949 -1083 -1243 -34 -122 -242 -369 -517 FORFIGN FINANCE USD mn Current account, cumulated 22 -29 -44 -30 -10 35 102 -67 62 93 82 86 94 169 **EXCHANGE RATE** SIT/USD, monthly average nominal 241.9 247.1 254.4 253.5 243.5 240.7 242.7 248.2 247.8 251.4 256.6 255.7 254.0 246.1 228.3 217.0 219.9 220.4 223.0 224.6 225.3 SIT/EUR, monthly average 215.6 216.3 217.8 218.7 219.4 221.1 222.0 223.8 226.0 226.7 nominal SIT/USD, calculated with CPI⁶⁾ real .lan98=100 120.8 122 6 125 9 124 8 1199 117 9 118 0 1199 1193 119.3 121.2 120.5 118 8 1148 1109 106.3 SIT/USD, calculated with PPI⁶ real, Jan98=100 128,1 131,3 133,4 130,3 124,8 122,7 119.8 121,4 118,6 120,3 122,0 122.5 122,3 118,4 113,9 109.5 95,5 SIT/EUR, calculated with CPI⁶⁾ real. Jan98=100 97,0 96,7 96,7 96,7 97,2 96,8 96,6 96,2 95,8 95,5 95,6 95,1 95,3 95,7 96,5 SIT/EUR, calculated with PPf real. Jan98=100 102.8 102.4 100.8 100.9 102.3 102.8 102.4 102.4 101.2 100.4 99.6 99.9 99.7 100.1 100.4 100.8 DOMESTIC FINANCE M0, end of period SIT bn 114 9 113.2 1243 115 9 1163 1226 124 7 126.5 142 1 129 4 130.0 135 9 1343 135 1 M1, end of period SIT bn 417.1 408.1 437.8 419.6 418.1 438.1 440.3 455.3 502.2 471.8 469 2 485.3 489.5 502.8 5243 Broad money, end of period SIT bn 2353.0 2410.3 2445.9 2477.1 2514.8 2555.2 2617.3 2705.7 2876,7 2911.5 2929.0 2970.8 3010.4 3036.4 3025.5 Broad money, end of period CMPY 18.6 20.2 19.8 20.2 21.8 23.4 29.9 29.1 27.5 27.9 26.0 23.7 19.3 19.9 30.4 Discount rate (p.a.),end of period % 11 11 11 11 11 11 11 11 11 9 9 9 10 10 10 Discount rate (p.a.),end of period7) 0,9 2,6 3,6 3,0 3,5 4,1 4,2 real, % 1,0 1,1 1,6 2,8 3,5 3,3 2,5 4,1 BUDGET SIT mn -41823 -58363 -107532 -98297 -104403 -129993 -127649 -135450 -63193 -71095 -103744 -128285 -116819 General gov.budget balance, cum

¹⁾ Effective working hours.

²⁾ Enterprises with 3 or more employed, excluding employees of self-employed persons.

Ratio of unemployed to the economically active.

⁴⁾ Based on cumulated national currency and converted with the average exchange rate.

⁵⁾ Cumulation starting January and ending December each year.

⁶⁾ Adjusted for domestic and foreign (US resp. EU) inflation. Values less than 100 mean real appreciation.

⁷⁾ Deflated with annual PPI.

U K R A I N E: Selected monthly data on the economic situation 2001 to 2002

															(updated	end of Au	ug 2002)
		2001									2002						
		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
PROBLICTION																	
PRODUCTION	LOMBY	40.4	40.0	47.4	40.5	40.0	44.0	0.0	0.4	- 0	4.0	4.4	0.0				
Industry, total ¹⁾	real, CMPY	18,1	19,8	17,1	12,5	10,6	11,3	-2,2	-0,4	-5,0	-1,2	1,4	-0,8				
Industry, total	real, CCPY	18,7	19,1	18,8	18,0	17,1	16,7	16,2	15,4	14,2	1,7	3,5	3,1	3,5	3,1	5,8	6,1
Industry, total ¹⁾	real, 3MMA	15,4	18,3	16,4	13,3	11,5	6,2	2,6	-2,5	-2,2	-1,7	-0,2	•	•	•		•
LABOUR																	
Unemployment, end of period	th. persons	1131,5	1088,4	1046,5	1015,3	1001,1	984,6	971,2	981,6	1008,1	1028,7	1067,4	1079,0	1087,0	1051,0	1023,4	1005,2
Unemployment rate ²⁾	%	4,1	4,0	3,8	3,7	3,7	3,6	3,5	3,6	3,7	3,8	3,9	3,9	4,0	3,8	3,7	3,7
WAGES, SALARIES 1)																	
Total economy, gross	UAH	288,9	303,0	317,8	327,3	329,3	326,3	335,8	334,4	378,5	320,8	328,7	354,8	355,8	358,9	377,4	398,1
Total economy, gross	real, CMPY	20,2	23,5	24,4	24,9	21,4	22,1	24,6	22,3	20,4	19,9	20,5	23,6	20,6	16,9	20,0	22,7
Total economy, gross	USD	53	56	59	61	62	61	63	63	71	60	62	67	67	67	71	
Total economy, gross	EUR	60	64	69	71	69	67	70	71	80	68	71	76	76	74	74	
Industry, gross	USD	70	74	77	81	82	81	84	83	89	80	80					
PRICES																	
Consumer	PM	1,5	0,4	0,6	-1,7	-0,2	0,4	0,2	0,5	1,6	1,0	-1,4	-0,7	1,4	-0,3	-1,8	-1,5
Consumer	CMPY	17,0	15,1	11,6	9,9	9,6	7,3	6,0	6,1	6,1	5,6	3,5	2,2	2,1	1,4	-1,1	-0,9
Consumer	CCPY	18,8	18,0	16,9	15,8	15,0	14,1	13,2	12,5	12,0	5,6	4,5	3,7	3,3	2,9	2,2	1,8
Producer, in industry	PM	0,2	0,0	0,2	0,1	-0,1	0,1	-0,7	0,7	-0,5	-0,4	0,7	-0,8	1,2	1,5	2,2	1,0
Producer, in industry	CMPY	10,8	10,1	9,4	7,9	7,1	5,9	3,8	3,5	0,9	-0,3	-0,2	-0,5	0,5	2,0	4,0	5,0
Producer, in industry	CCPY	14,4	13,5	12,8	12,1	11,4	10,8	10,0	9,4	8,6	-0,3	-0,3	-0,3	-0,1	0,3	0,9	1,5
RETAIL TRADE																	
Turnover ³⁾	real, CCPY	8,7	10,3	10,4	11,4	11,4	11,5	11,8	12,3	12,6		18,7	16,8	18,0	18,1	16,1	
FOREIGN TRADE ⁴⁾⁵⁾																	
Exports total (fob), cumulated	EUR mn	5656	7174	8918	10497	11973	13389	15054	16684	18160	1376	2862	4419	6089	7581	9054	
Imports total (cif), cumulated	EUR mn	5227	6710	8257	9682	11273	12683	14242	15946	17613	1161	2478	4047	5662	7047	8519	
Trade balance, cumulated	EUR mn	430	464	661	815	700	706	812	738	547	215	384	372	427	534	535	
FOREIGN FINANCE																	
Current account, cumulated	USD mn			845			1237			1402			722				
EXCHANGE RATE																	
UAH/USD, monthly average	nominal	5,418	5,414	5,401	5,371	5,347	5,339	5,310	5,287	5,294	5,313	5,321	5,322	5,327	5,328	5,329	
UAH/EUR, monthly average	nominal	4,832	4,753	4,609	4,617	4,807	4,869	4,809	4,703	4,718	4,696	4,630	4,660	4,712	4,865	5,079	
UAH/USD, calculated with CPI ⁶⁾	real, Jan98=100	168,1	168,0	166,9	168,3	167,9	167,7	165,9	164,1	161,2	160,5	163,7	165,7	164,6	165,1	168,3	
UAH/USD, calculated with PPI ⁶⁾	real, Jan98=100	162,7	163,2	160,9	157,3	156,7	156,2	153,0	150,7	149,8	151,4	150,4	153,5	153,2	150,9	147,9	
UAH/EUR, calculated with CPI ⁶⁾	real, Jan98=100	134,8	132,7	128,0	130,2	136,0	137,5	135,5	131,6	130,1	128,7	128,9	131,2	131,5	136,5	144,9	
UAH/EUR, calculated with PPI ⁶⁾	real, Jan98=100	129,8	127,9	123,8	123,4	128,5	130,1	128,9	124,6	125,3	125,5	122,9	125,2	125,6	127,9	130,5	
DOMESTIC FINANCE																	
M0, end of period	UAH mn	13610	13452	14487	14797	15527	16208	16685	17325	19465	18101	18666	19646	20980	20394	21400	22600
M1, end of period	UAH mn	21796	22554	23820	24164	24768	25884	26406	26782	29773	27586	28416	30287	30672	30670		
Broad money, end of period	UAH mn	34092	35157	36953	37373	38275	39643	40750	41508	45555	43619	45032	47345	48389	48813	51200	53900
Broad money, end of period	CMPY	35,8	35,1	36,4	32,9	29,8	36,8	41,2	41,2	42,0	41,5	42,3	43,4	41,9	38,8	38,6	44,2
Refinancing rate (p.a.),end of period	%	21,0	21,0	19,0	19,0	17,0	15,0	15,0	15,0	12,5	12,5	12,5	11,5	10,0	10,0	10,0	8,0
Refinancing rate (p.a.),end of period ⁷⁾	real, %	9,2	9,9	8,8	10,2	9,3	8,6	10,8	11,1	11,5	12,8	12,7	12,1	9,5	7,9	5,7	2,9
BUDGET																	
General gov.budget balance, cum. 8)	UAH mn	1493,0	1623,7	1385,0	1676,6	1407,5	1379,7	1616,3	982,3	-1263,6	1381,7	1516,6	660,6	564,2	1626,6	1368,2	
• • •																	

¹⁾ Excluding small firms.

²⁾ Ratio of unemployed to the economically active.

³⁾ Official registered enterprises.

⁴⁾ Based on cumulated USD and converted using the ECB EUR/USD average foreign exchange reference rate.

⁵⁾ Cumulation starting January and ending December each year.

⁶⁾ Adjusted for domestic and foreign (US resp. EU) inflation. Values less than 100 mean real appreciation.

⁷⁾ Deflated with annual PPI.

⁸⁾ Including pension fund.

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