



Bank of Russia



# CONSUMER PRICE DYNAMICS

No. 10 (94) • October 2023

Information and analytical commentary

15 November 2023

## CONSUMER PRICE DYNAMICS: FACTS, ASSESSMENTS AND COMMENTS (OCTOBER 2023)

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- In October 2023, consumer prices rose by 0.83% (vs 0.87% in September). Seasonally adjusted (SA) monthly price growth slowed down to 0.76% (vs 1.13% in September). Over August–October, monthly price growth averaged 0.88% (SA) or 11.1% in annualised terms. Annual inflation continued to rise and reached 6.69% (vs 6.00% in September).
- Price growth rates were high across a broad range of goods and services in July–October. In October, measures of the persistent component of monthly inflation (SA) were predominantly growing at a faster pace or approaching high values of the previous month. The key factor was great consumer demand amplifying the pass-through of higher costs to prices, among other things.
- In October, prices for goods and services susceptible to volatility were predominantly declining (SA) after a considerable rise in the previous month. These goods and services included fruit and vegetables, petroleum products and foreign tourism services. This was the reason behind a noticeable slowdown in the CPI growth coupled with higher estimates of underlying price increase.
- As forecast by the Bank of Russia, the current tightening of monetary policy will moderate the excessive expansion of domestic demand and curb its inflationary effects. Annual inflation is predicted to range from 7.0% to 7.5% in 2023. Given the current monetary policy stance, annual inflation will decline to 4.0–4.5% in 2024 and stay close to 4% further on.

## CONSUMER PRICE DYNAMICS

(%)

	2021	2022				2023			2023		
	04	01	02	03	04	01	02	03	August	September	October
<b>Price growth YoY</b>											
– all goods and services	8.39	16.69	15.90	13.68	11.94	3.51	3.25	6.00	5.15	6.00	6.69
of which: excluding fruit and vegetables, petroleum products, and housing and utility services	8.59	17.69	18.19	16.24	13.51	3.69	2.61	4.51	3.84	4.51	5.45
– food products	10.62	17.99	17.98	14.20	10.29	2.57	0.18	4.87	3.58	4.87	6.00
of which: fruit and vegetables	13.98	34.83	11.63	-3.89	-1.97	-9.39	-1.85	25.87	20.41	25.87	23.99
food products without fruit and vegetables	10.24	15.70	18.95	16.49	11.97	4.44	0.41	2.67	1.74	2.67	4.03
– non-food goods	8.58	20.34	17.92	14.94	12.70	0.12	0.99	4.56	3.58	4.56	5.08
of which: non-food goods without petroleum products	8.49	22.43	19.93	16.78	14.48	0.13	0.62	3.64	2.88	3.64	4.52
– services	4.98	9.94	10.17	11.01	13.19	9.73	10.96	9.66	9.54	9.66	9.92
of which: services without housing and utility services	5.60	12.90	13.37	14.50	14.72	9.15	10.90	9.98	10.01	9.98	10.12
Core inflation	8.89	18.69	19.18	17.11	14.31	3.72	2.44	4.59	3.95	4.59	5.50
Median*	7.43	13.02	13.57	11.66	10.85	4.96	2.92	4.66	4.10	4.66	5.52
Price growth, without 20% of volatile components**	5.86	8.36	11.15	10.50	8.10	4.88	2.62	3.03	1.97	3.03	3.36
Average annual inflation	6.69	8.14	10.82	12.72	13.75	13.00	9.39	7.12	7.74	7.12	6.64
<b>Price growth vs the previous period</b>											
– all goods and services	0.96	3.21	0.44	-0.29	0.44	0.56	0.35	0.59	0.28	0.87	0.83
of which: excluding fruit and vegetables, petroleum products, and housing and utility services	0.90	3.36	0.81	0.00	0.10	0.29	0.46	0.62	0.48	0.87	0.97
– food products	1.60	3.21	0.78	-1.09	0.43	0.75	-0.01	0.43	-0.06	0.86	1.35
of which: fruit and vegetables	4.26	8.76	-4.13	-9.22	4.95	5.94	-1.54	-1.37	-5.96	0.24	1.91
food products without fruit and vegetables	1.26	2.41	1.54	-0.07	-0.06	0.06	0.21	0.68	0.78	0.94	1.27
– non-food goods	0.71	4.12	0.01	-0.11	0.05	0.09	0.30	1.05	1.14	1.09	0.55
of which: non-food goods without petroleum products	0.70	4.68	0.04	-0.15	0.04	0.11	0.21	0.84	0.91	0.88	0.89
– services	0.36	1.95	0.54	0.66	1.01	0.90	0.92	0.26	-0.32	0.61	0.48
of which: services without housing and utility services	0.50	2.78	0.85	0.44	0.56	1.08	1.38	0.16	-0.79	0.74	0.50
Core inflation	0.87	3.57	0.86	0.04	0.06	0.27	0.44	0.73	0.75	0.92	0.89
<b>Price growth vs the previous period, SA***</b>											
– all goods and services	0.81	3.01	0.49	-0.04	0.23	0.36	0.42	0.95	0.76	1.13	0.76
of which: excluding fruit and vegetables, petroleum products, and housing and utility services	0.86	3.34	0.82	0.06	0.06	0.27	0.49	0.67	0.46	0.93	0.92
– food products	1.11	2.69	0.90	-0.36	-0.02	0.25	0.14	1.28	1.27	1.31	0.98
of which: fruit and vegetables	1.06	4.78	-3.91	-2.97	1.69	2.02	-1.18	5.26	4.18	4.48	0.16
food products without fruit and vegetables	1.12	2.36	1.66	-0.01	-0.20	0.02	0.34	0.73	0.86	0.89	1.08
– non-food goods	0.67	4.12	0.06	-0.12	0.01	0.09	0.36	1.04	1.13	0.99	0.46
of which: non-food goods without petroleum products	0.66	4.68	0.10	-0.16	0.00	0.11	0.26	0.83	0.90	0.77	0.79
– services	0.56	1.96	0.46	0.56	0.89	0.89	0.87	0.42	-0.36	1.06	0.84
of which: services without housing and utility services	0.67	2.75	0.55	0.62	0.70	1.05	1.15	0.31	-0.99	1.29	0.83
Core inflation	0.86	3.51	0.88	0.08	0.05	0.21	0.47	0.77	0.80	0.83	0.86
Median*	0.66	1.95	0.76	0.18	0.13	0.20	0.30	0.61	0.57	0.78	0.60
Price growth, without 20% of volatile components**	0.59	1.61	0.84	0.11	0.27	0.23	0.28	0.52	0.42	0.74	0.94

\* The median is a value dividing a sample into two equal parts, with a higher and a lower price growth rate. It is calculated based on price growth distribution.

\*\* Excluding 20% of consumer basket components with the highest (over the last three months) variance.

\*\*\* Annual price growth rates calculated based on seasonally adjusted and not seasonally adjusted data have been diverging significantly since December 2022. This is associated with changes in the seasonality of administered prices, namely the rescheduling of the indexation of utility tariffs from July 2023 to December 2022 and the increased indexation of railway passenger tariffs beginning from January 2023 compared to the previous year. The Bank of Russia interprets these changes as a shift in the seasonality.

Sources: Rosstat, Bank of Russia calculations.

## Monthly price changes

In October 2023, consumer prices rose by 0.83% (vs 0.87% in September). Seasonally adjusted (SA) monthly price growth slowed down to 0.76% after a jump in September (1.13%) but remained high. Over the past three months, growth in consumer prices averaged 0.88% (SA) or 11.1% in annualised terms and exceeded the price growth rates in late 2021 – early 2022 (Chart 1).

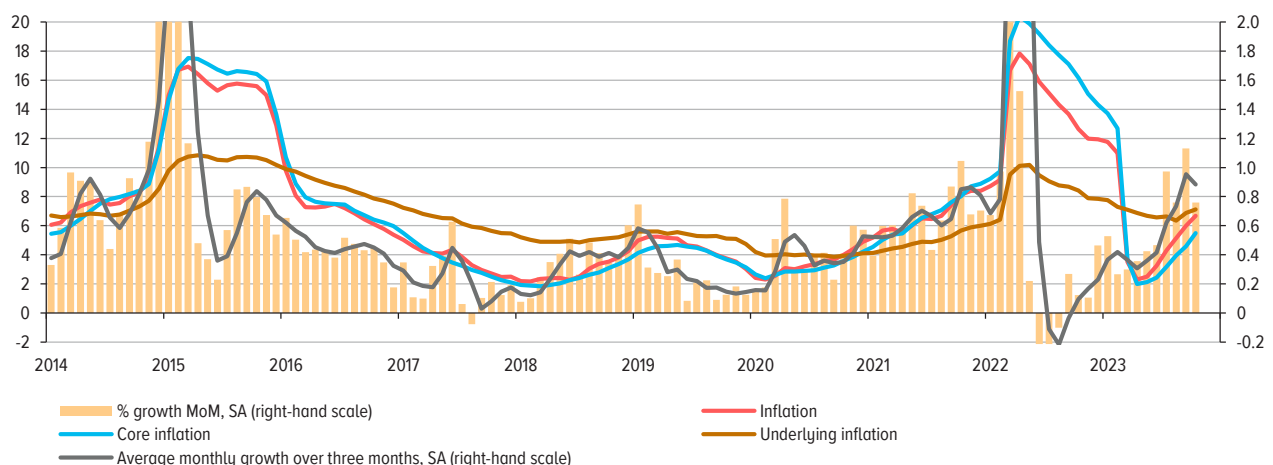
Although the current price growth was considerably slower than in the previous month, the CPI growth slightly sped up in October. The three-month average increase in the core CPI (0.83% SA) was comparable with the values in late 2021 – early 2022. Overall, price pressures were persistently high for the fourth month in a row. Goods and services that were appreciating at an annual growth rate of over 4% accounted for 60–70%.

The CPI growth was considerably more volatile in recent months. This was associated with certain groups of goods and services prone to frequent and significant price fluctuations. These goods and services included fruit and vegetables, chicken eggs, petroleum products, transport and tourism services.

Annual inflation continued to rise and reached 6.69%. Annual price growth sped up for all groups of goods and services. Annual growth in prices for services was still faster than that for goods.

INFLATION, CORE INFLATION, AND UNDERLYING INFLATION  
(% GROWTH YOY)

Chart 1



Sources: Rosstat, Bank of Russia calculations.

## Indicators of stable price dynamics

Excluding fruit and vegetables, petroleum products, housing and utility services, tourism and transport services, annual inflation sped up by 1.14 pp to 4.61% (Annex 1, Chart 2), median annual growth – by 0.86 pp up to 5.52%, and core inflation – by 0.91 pp up to 5.50%. The underlying inflation measure increased to 7.11% (vs 6.87% in September).

Monthly rises in indicators of stable consumer price dynamics (SA) were largely up or approaching previous month's values. They were still far above the level corresponding to the inflation rate of 4%. The core CPI went up to 0.86% (SA). Excluding fruit and vegetables, petroleum products, housing and utility services, tourism and transport services, the CPI was up to 0.99% (SA) and to 0.94% (SA) without the most volatile components. However, the median of monthly price rises was down to 0.60% (SA). Price growth rates have remained elevated due to high consumer activity, which, among other things, allows companies to pass on their rising costs to consumers faster and to a greater extent. Higher wages, pass-through of the ruble depreciation in summer to costs, and a rise in the cost of freight transportation prompted by higher motor fuel prices have been significant factors behind an increase in production costs of a wide range of goods and services in recent months.

Rising producer prices for consumer goods and business price expectations approaching local highs point to growing costs and their potential pass-through to prices (Annex 1, Charts 40–41).

## Contribution of volatile components

Prices for goods and services prone to the most significant changes were mainly declining in October. Their aggregate contribution to monthly price growth was negative. This was an important contributing factor in a noticeable slowdown in the CPI growth compared to the previous month (Annex 1, Chart 26).

For instance, foreign tourism prices dropped in October after a rise in the previous month. Prices for petrol and diesel fuel started to decline owing to export restrictions and a return to the damping parameters. Also, there was a considerable drop in the growth rate of fruit and vegetable prices which had been growing very fast in July–September. As a result of movements in prices for these three groups, the monthly CPI growth slowed down by 0.48 pp. Fluctuations in prices for other groups of goods and services were less significant.

## Exchange rate

The ruble exchange rate against the three main traded foreign currencies remained virtually unchanged in October 2023. The average monthly exchange rate against the US dollar and the yuan depreciated by 0.5% and 0.4%, respectively, but appreciated by 0.8% against the euro. In the first half of the month, the ruble exchange rate was weakening, but it was getting stronger in the second half of the month. The three-month drop in the ruble exchange rate (by 7.4%, 5.6%, and 2.5% against the US dollar, the yuan, and the euro, respectively) was the smallest since December 2022. This resulted in somewhat slower growth in the majority of consumer prices highly susceptible to exchange rate movements.

## Global prices

Global prices for food products and non-food goods (in US dollars) were mainly declining. Over three months, meat became cheaper by 4.7%, grains and vegetable oils – by 0.7% and 7.6%, respectively. There was a more noticeable three-month drop in prices for steel, copper and timber (by 15.5%, 5.7% and 9.1%, respectively), reflecting a slowdown in global economic growth. The three-month growth in oil prices was positive but slower in October. This slightly eased inflationary pressures triggered by the ruble weakening in the previous months.

In other countries, annual inflation was mainly declining, with seasonally adjusted price rises showing mixed trends (Annex 1, Charts 42–45).

## Inflation in Russian regions

In October 2023, annual inflation sped up in 75 out of 82<sup>1</sup> Russian regions, accounting for approximately 97% in the CPI. The annual growth in prices for food products accelerated in 78 regions, for non-food goods – in 64 regions, for services – in 54 regions (accounting for 98%, 89% and 72% in the CPI, respectively).

The distribution of regional inflation shifted to the right, becoming more symmetrical.

The acceleration in annual inflation across the federal districts ranged from 0.53 pp (the Southern Federal District) to 0.93 pp (the Volga Federal District). The heterogeneity of inflation acceleration was the lowest in the last few years. The major contributors to the heterogeneity were prices for fruit and vegetables, motor fuels and cars.

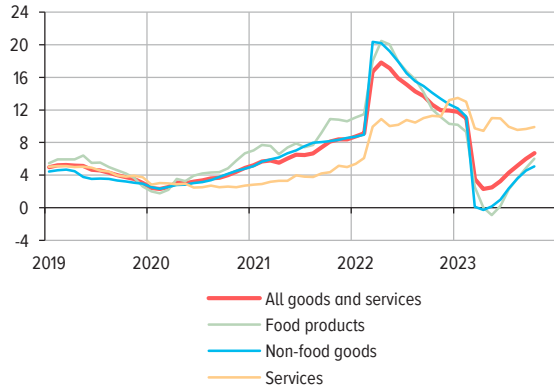
<sup>1</sup> Autonomous districts are reflected in respective regions. Official statistics on the main social and economic indicators of the constituent territories of the Russian Federation do not include statistics on the Donetsk People's Republic, the Lugansk People's Republic, the Zaporozhye Region, and the Kherson Region.

# ANNEX 1

## Analytical charts and tables

PRICES FOR MAIN GROUPS OF GOODS AND SERVICES (% GROWTH YOY)

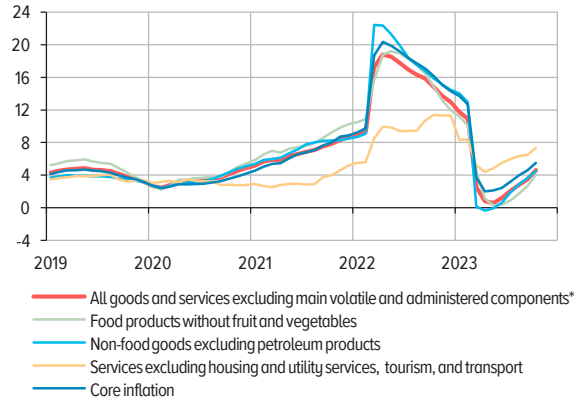
Chart 1



Sources: Rosstat, Bank of Russia calculations.

STABLE COMPONENTS OF INFLATION (% GROWTH YOY)

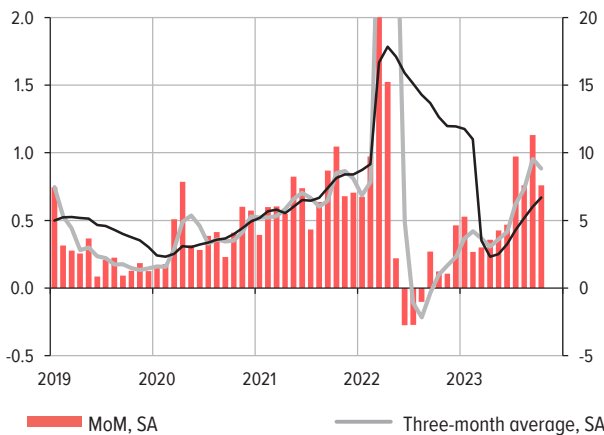
Chart 2



\* Excluding fruit and vegetables, petroleum products, housing and utility services, and foreign tourism.  
 Sources: Rosstat, Bank of Russia calculations.

ALL GOODS AND SERVICES (%)

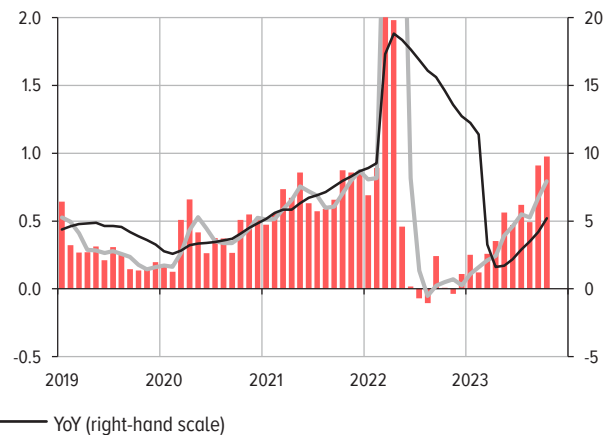
Chart 3



Sources: Rosstat, Bank of Russia calculations.

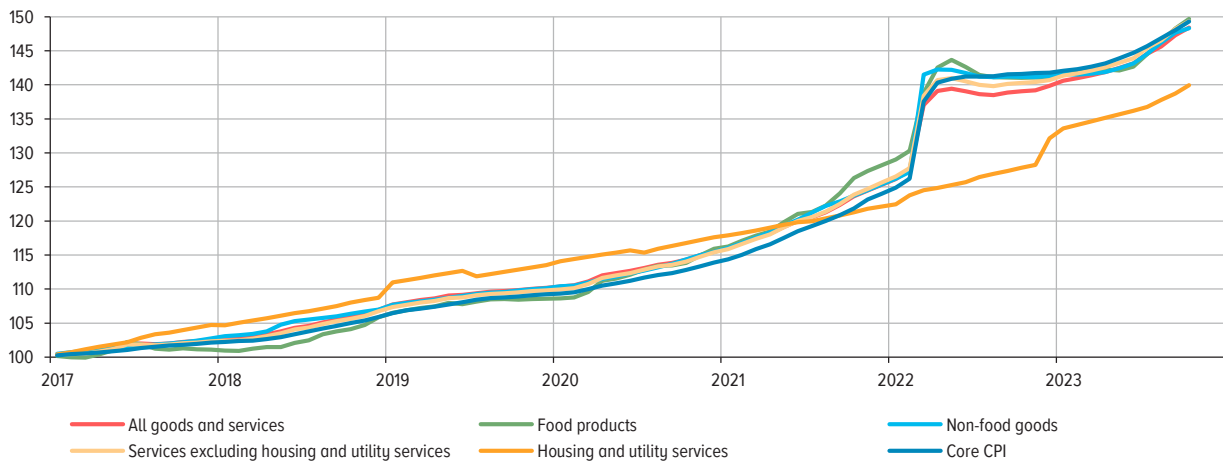
ALL GOODS AND SERVICES EXCLUDING MAIN VOLATILE AND ADMINISTERED COMPONENTS (%)

Chart 4



PRICE GROWTH (% ON DECEMBER 2016, SA)

Chart 5

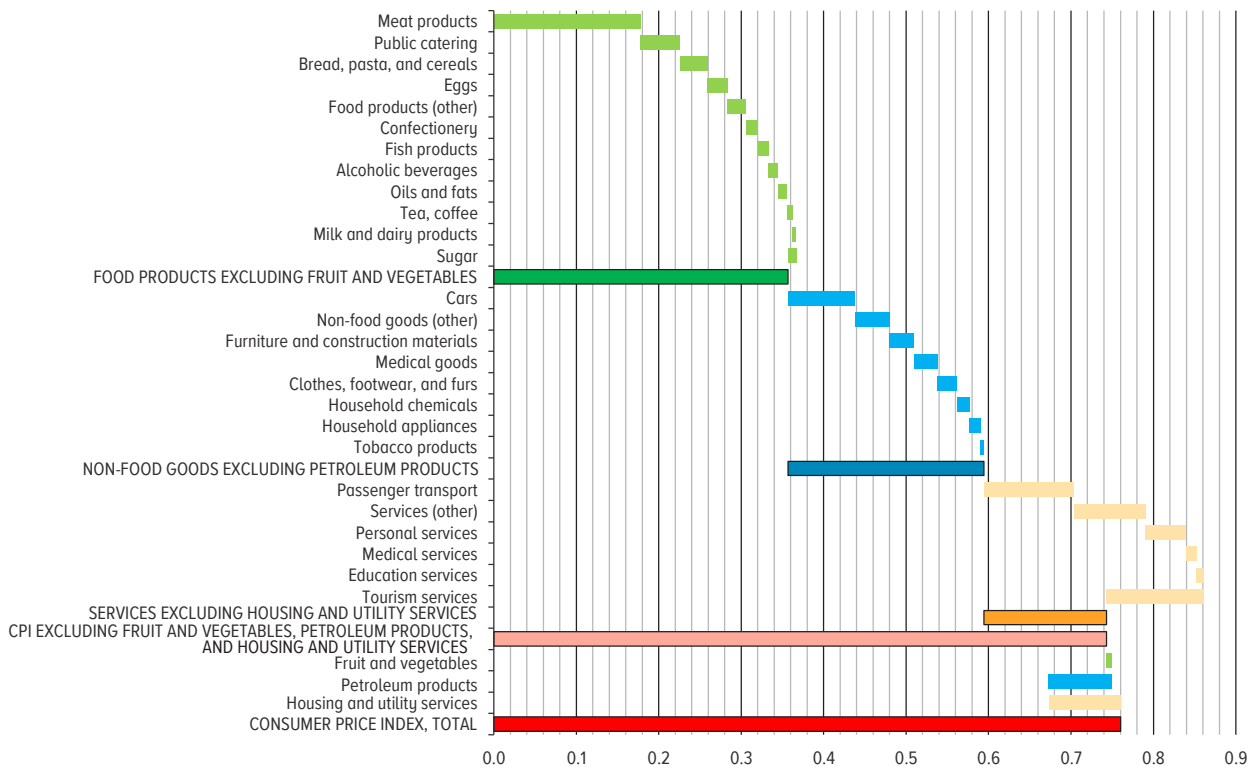


Sources: Rosstat, Bank of Russia calculations.



CPI GROWTH COMPONENTS IN OCTOBER  
(PP, SA)

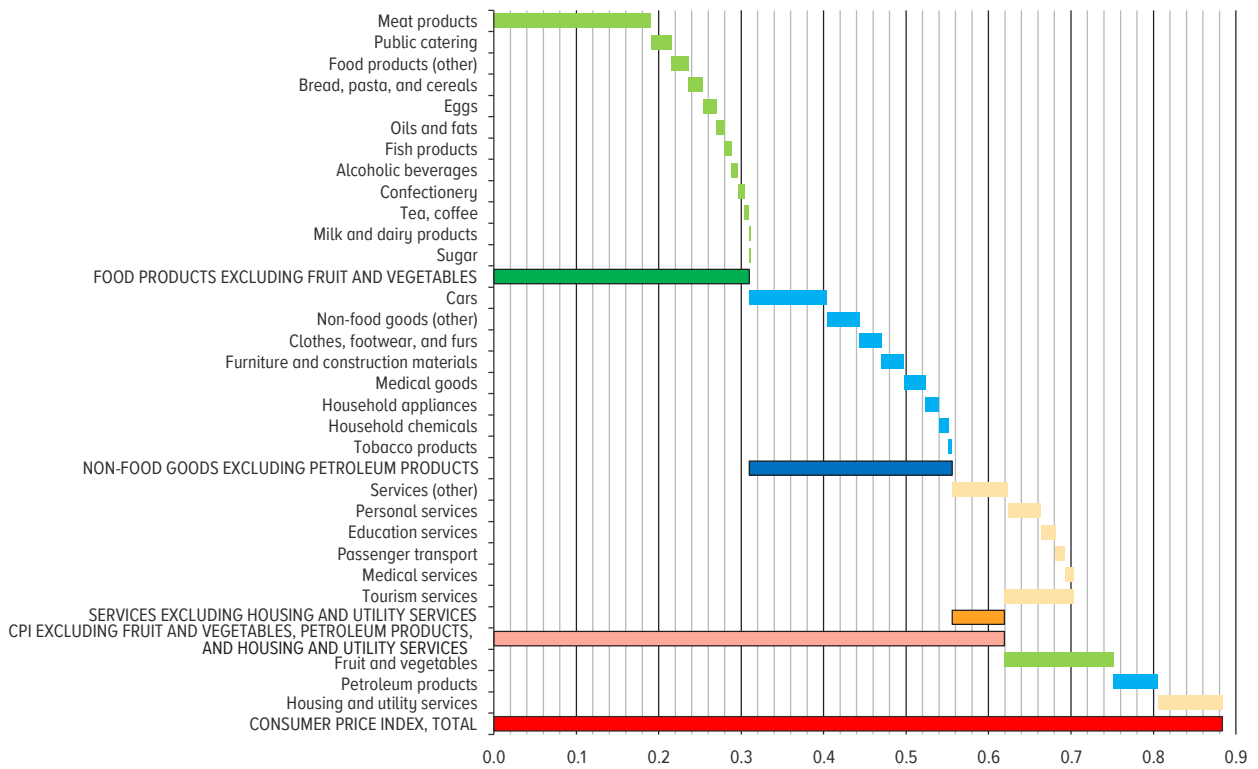
Chart 6



Sources: Rosstat, Bank of Russia calculations.

AVERAGE MONTHLY CPI GROWTH COMPONENTS, AUGUST–OCTOBER  
(PP, SA)

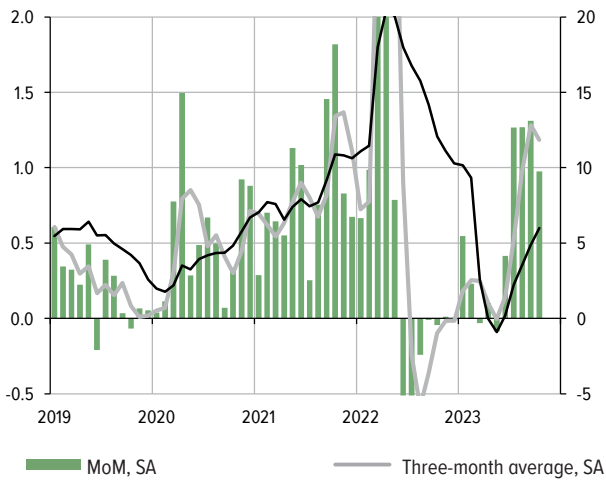
Chart 7



Sources: Rosstat, Bank of Russia calculations.

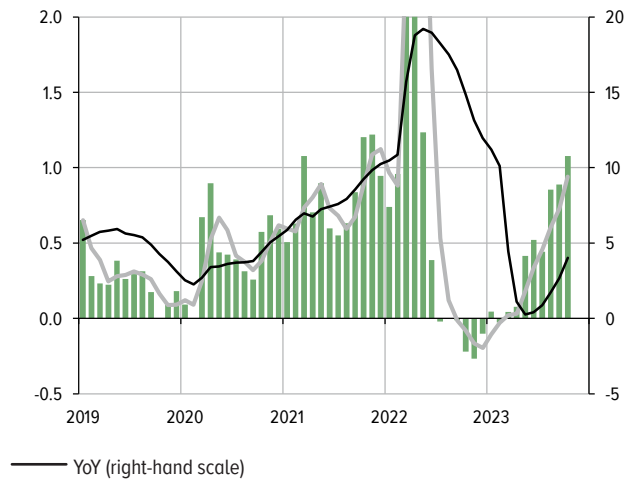
FOOD PRODUCTS (%)

Chart 8



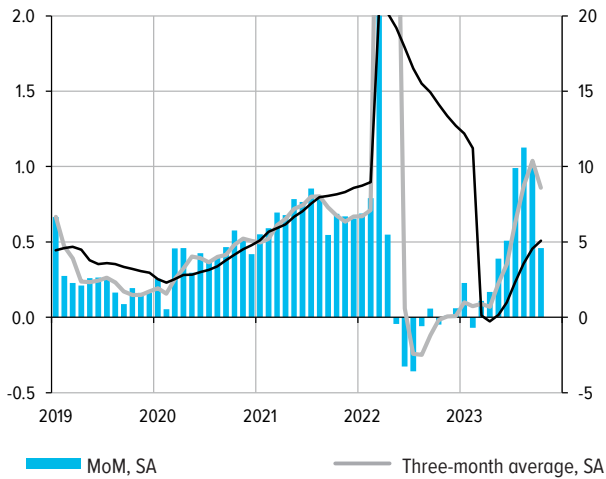
FOOD PRODUCTS EXCLUDING FRUIT AND VEGETABLES (%)

Chart 9



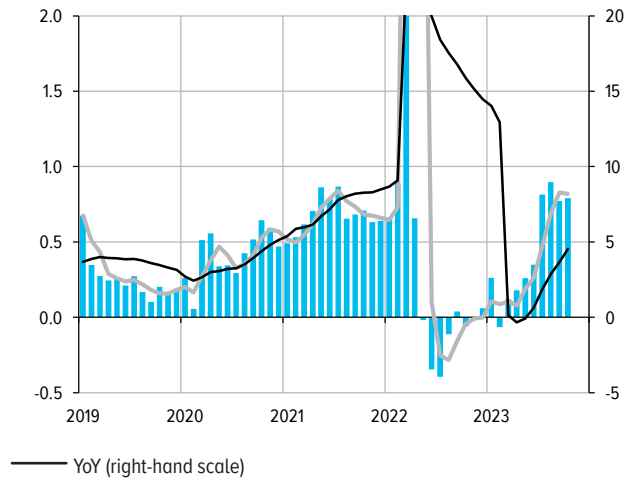
NON-FOOD GOODS (%)

Chart 10



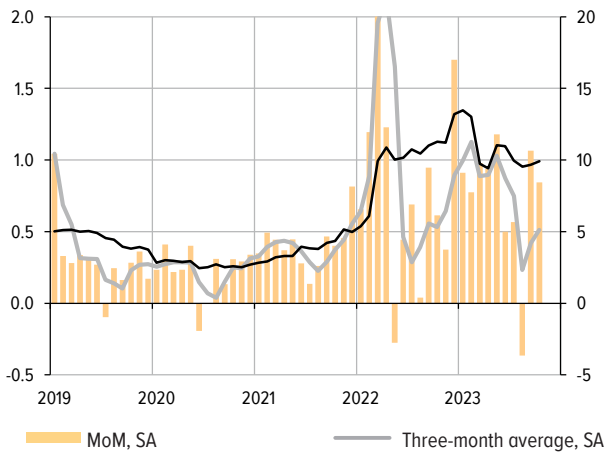
NON-FOOD GOODS EXCLUDING PETROLEUM PRODUCTS (%)

Chart 11



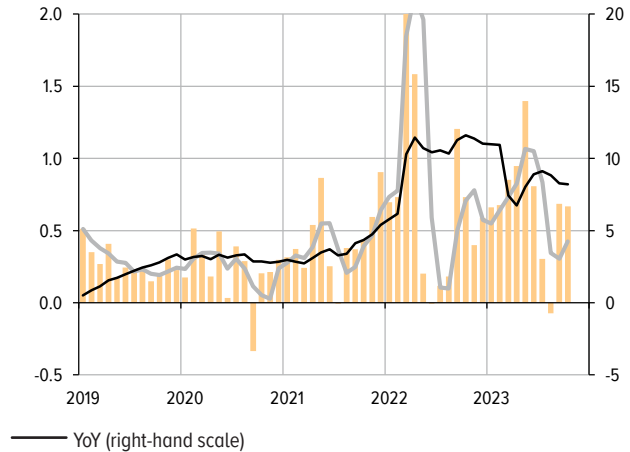
SERVICES (%)

Chart 12



SERVICES EXCLUDING HOUSING AND UTILITY SERVICES, FOREIGN TOURISM, AND TRANSPORT (%)

Chart 13

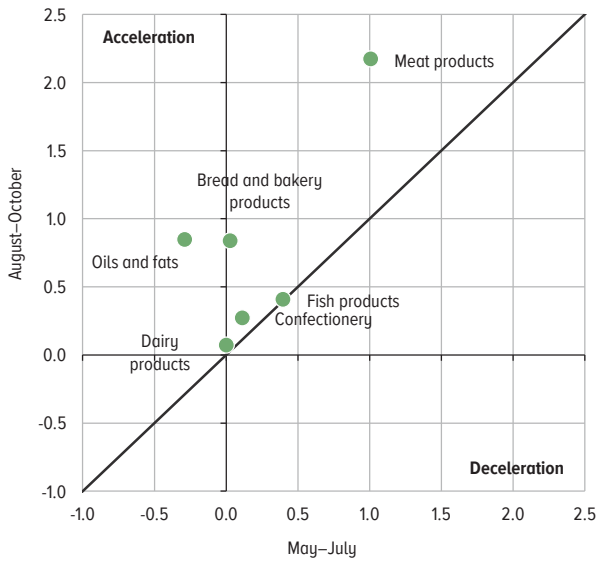


Sources: Rosstat, Bank of Russia calculations.



**FOOD PRICES**  
(AVERAGE % GROWTH MOM, SA)

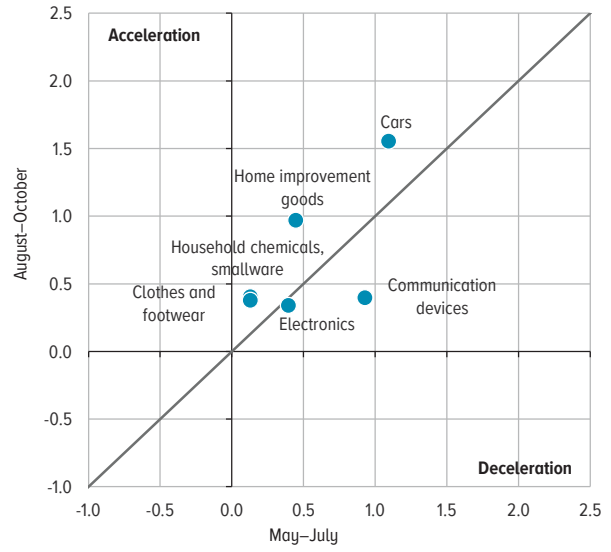
Chart 14



Sources: Rosstat, Bank of Russia calculations.

**NON-FOOD PRICES**  
(AVERAGE % GROWTH MOM, SA)

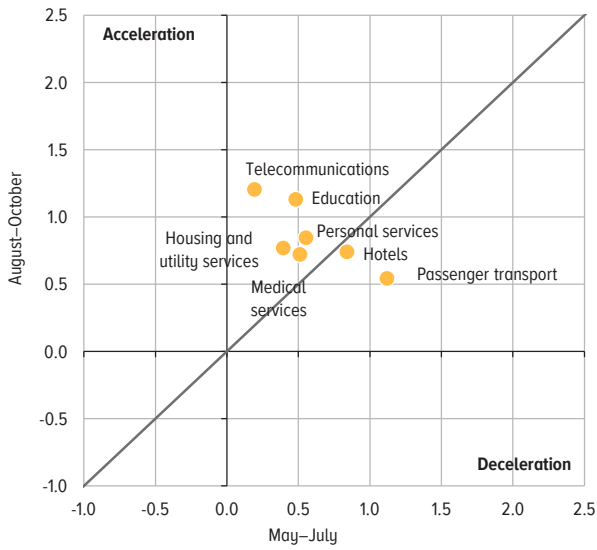
Chart 15



Sources: Rosstat, Bank of Russia calculations.

**SERVICES PRICES**  
(AVERAGE % GROWTH MOM, SA)

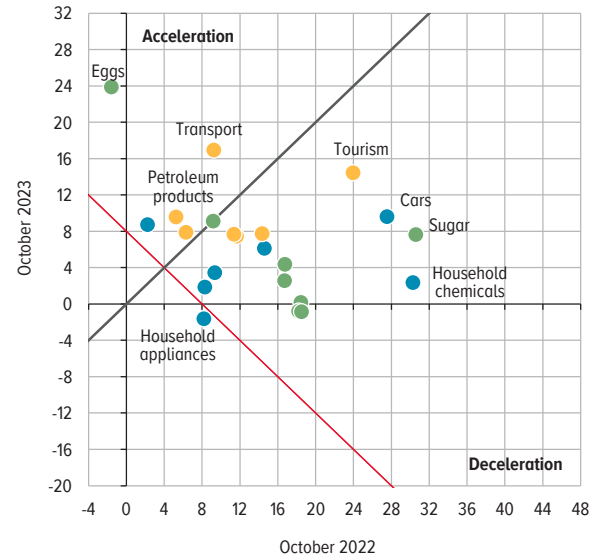
Chart 16



Sources: Rosstat, Bank of Russia calculations.

**PRICES FOR MAIN GROUPS OF GOODS AND SERVICES\***  
(% GROWTH YOY)

Chart 17

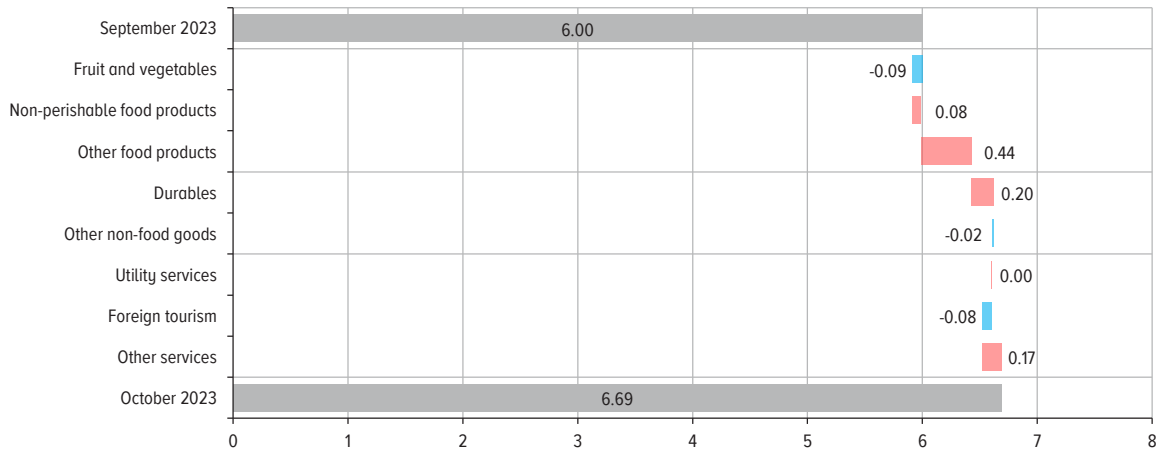


\* If a plotted point is above the black line, this means that price growth in this product group in October 2023 was higher than in October 2022. If a plotted point is above the red line that means that the two-year average price growth rate for this goods group is above 4%.

Sources: Rosstat, Bank of Russia calculations.

CONTRIBUTION TO CHANGE IN ANNUAL INFLATION IN SEPTEMBER–OCTOBER 2023 (PP)

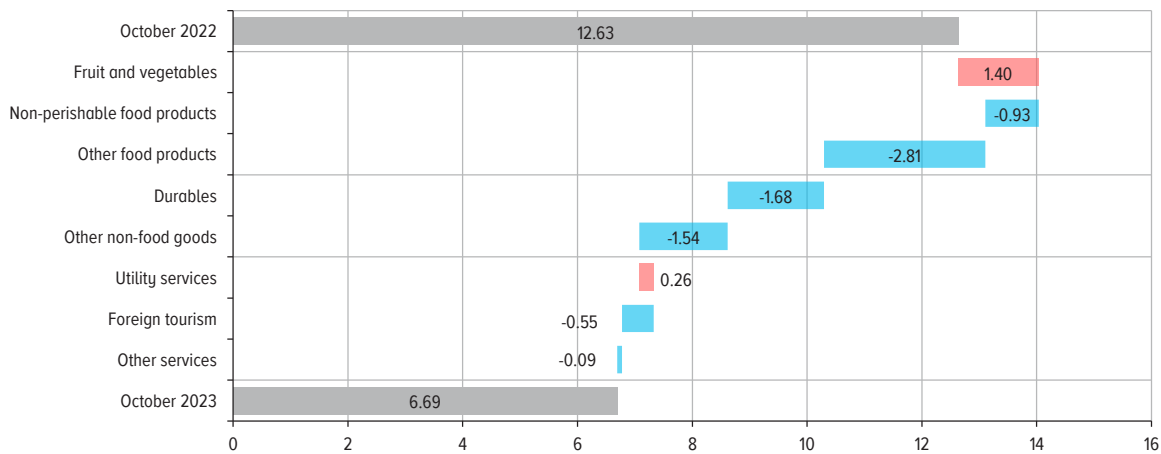
Chart 18



Sources: Rosstat, Bank of Russia calculations.

CONTRIBUTION TO CHANGE IN ANNUAL INFLATION IN OCTOBER 2022–OCTOBER 2023 (PP)

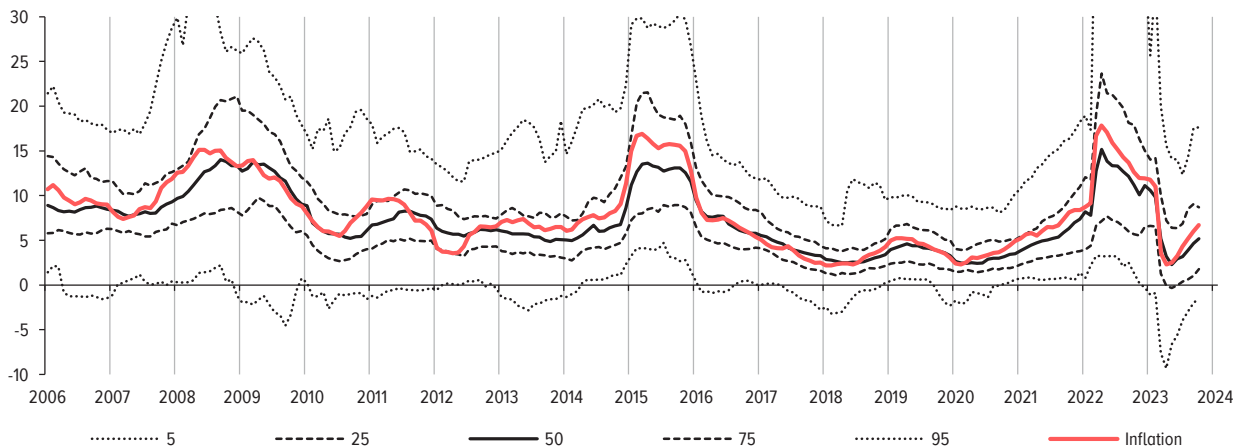
Chart 19



Sources: Rosstat, Bank of Russia calculations.

DISTRIBUTION OF ANNUAL PRICE INCREASES\* (%)

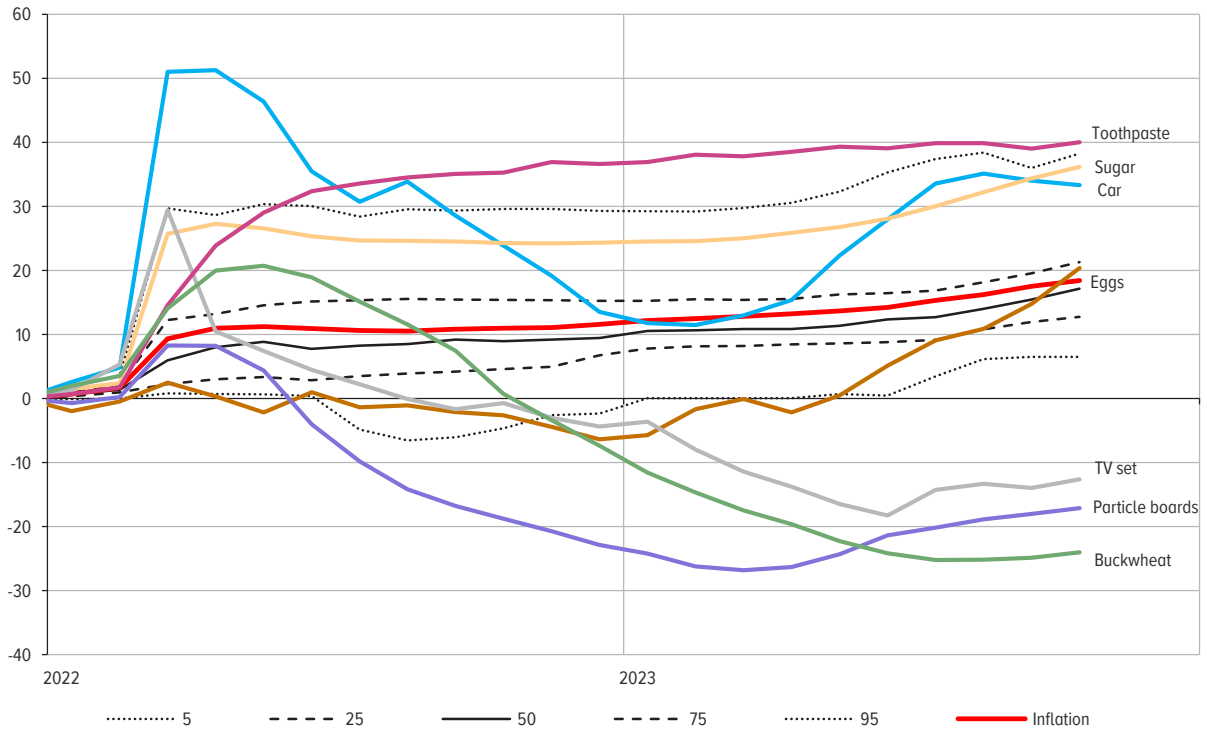
Chart 20



\* The chart shows the quantiles of the distribution of annual price increases among CPI basket components. Excluding volatile prices for certain food products (fruit and vegetables, sugar, sunflower oil, and cereals), foreign tourism services, and flights (their share in the CPI in 2023 – 8%).  
Sources: Rosstat, Bank of Russia calculations.

DISTRIBUTION OF PRICE INCREASES AND PRICES FOR CERTAIN GOODS (5–95<sup>TH</sup> PERCENTILES)\*  
(% ON DECEMBER 2021, SA)

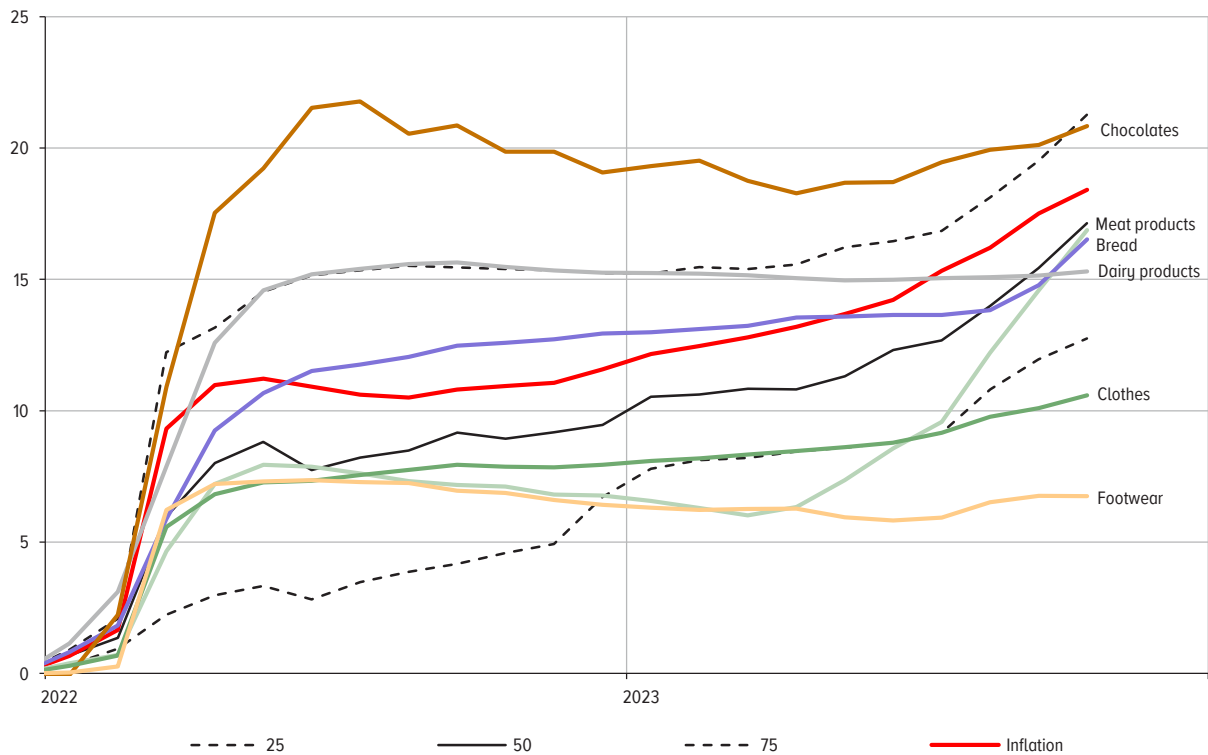
Chart 21



\* The chart shows the percentiles of the distribution of price increases among CPI basket components accumulated since early 2022.  
Sources: Rosstat, Bank of Russia calculations.

DISTRIBUTION OF PRICE INCREASES AND PRICES FOR CERTAIN GOODS (25–75<sup>TH</sup> PERCENTILES)\*  
(% ON DECEMBER 2021, SA)

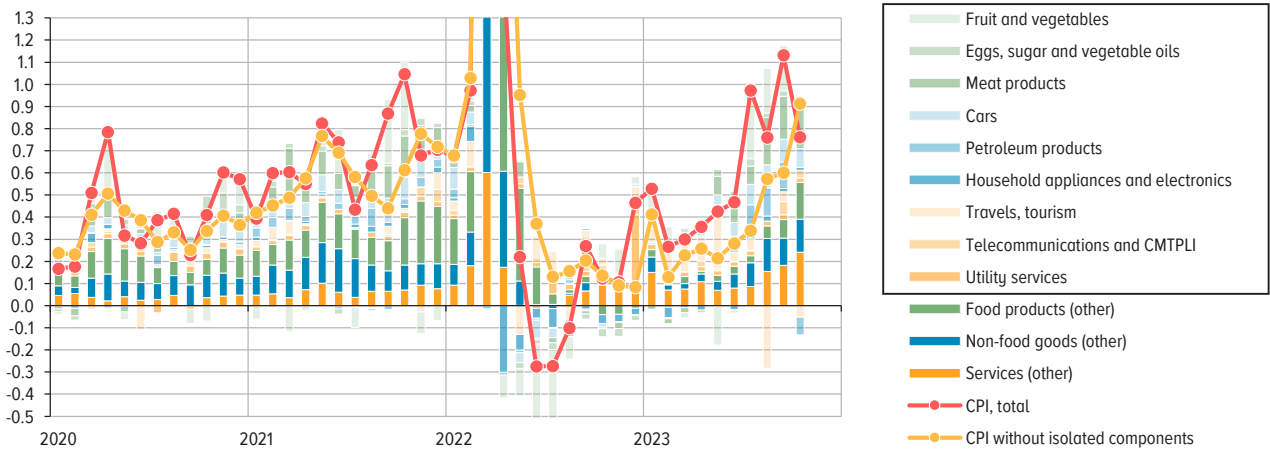
Chart 22



\* The chart shows the percentiles of the distribution of price increases among CPI basket components accumulated since early 2022.  
Sources: Rosstat, Bank of Russia calculations.

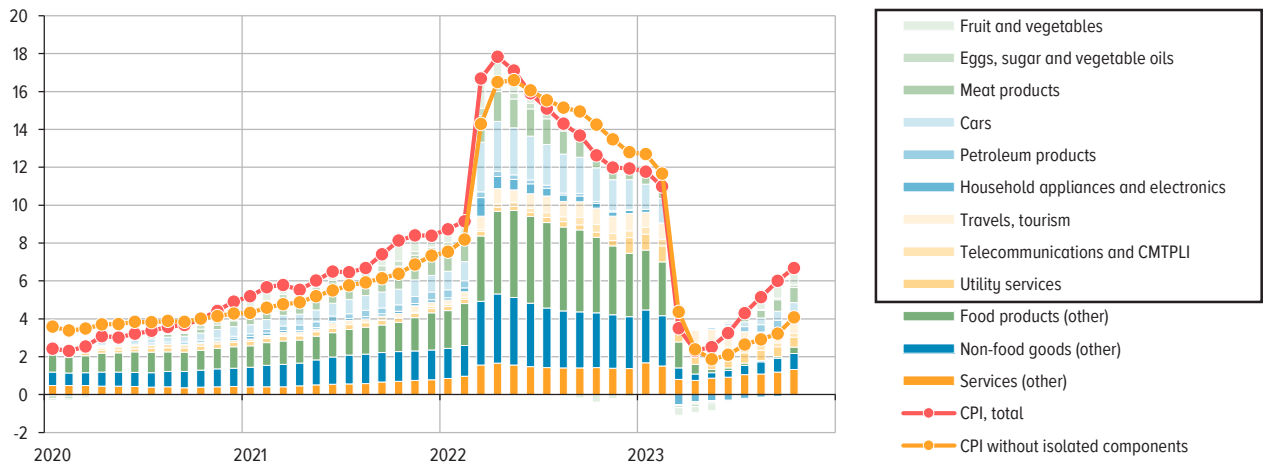
CONTRIBUTION TO MONTHLY CPI GROWTH  
(PP, SA)

Chart 23



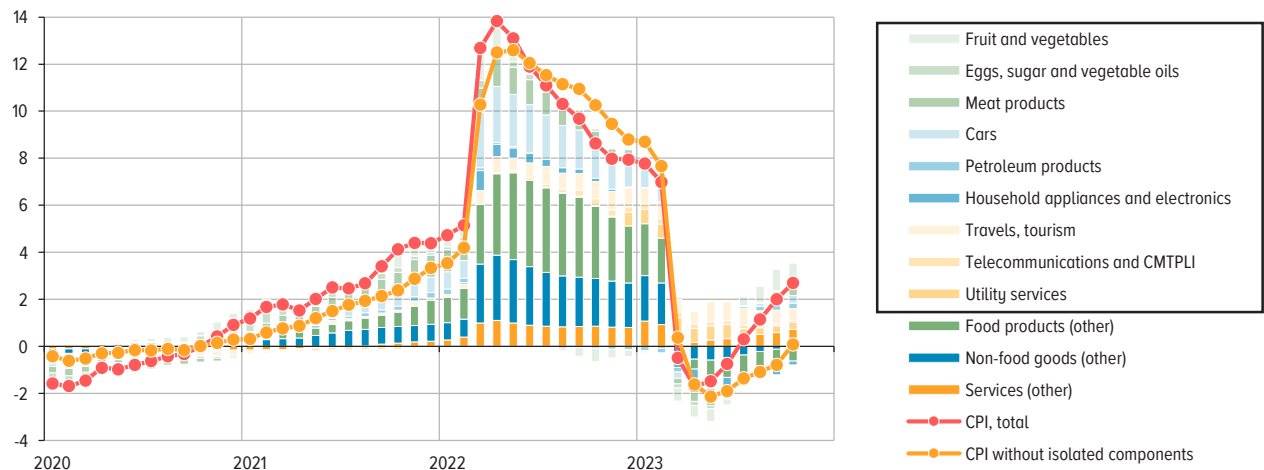
CONTRIBUTION TO ANNUAL CPI GROWTH  
(PP)

Chart 24



CONTRIBUTION TO DEVIATION OF ANNUAL CPI GROWTH FROM 4%  
(PP)

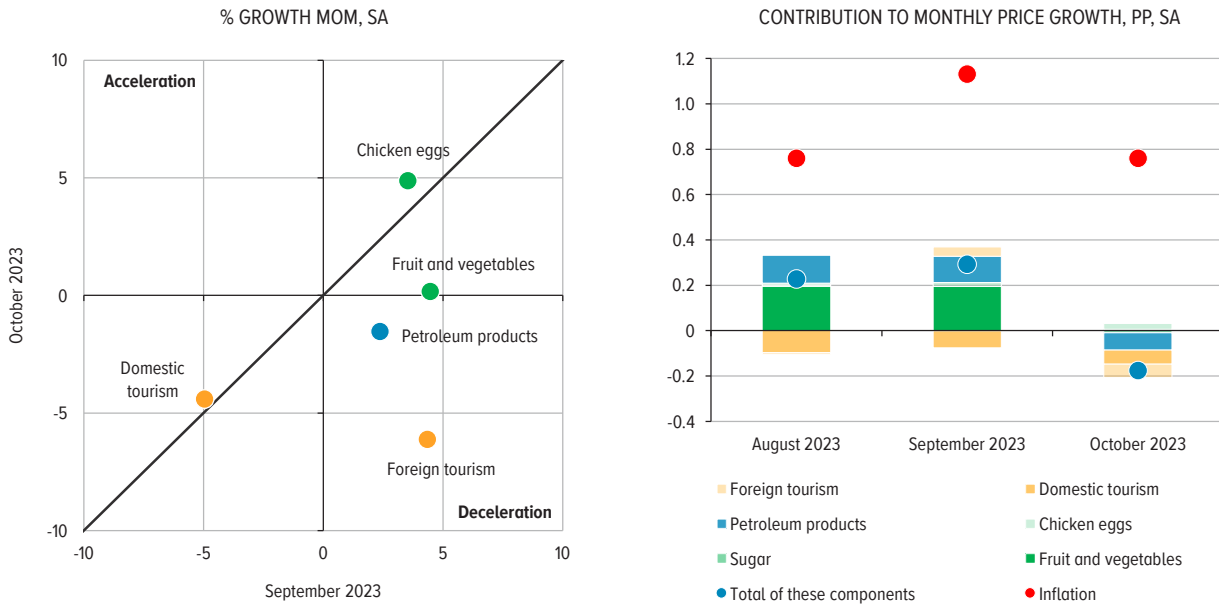
Chart 25



Sources: Rosstat, Bank of Russia calculations.

GOODS AND SERVICES DEMONSTRATING MOST SIGNIFICANT PRICE CHANGES

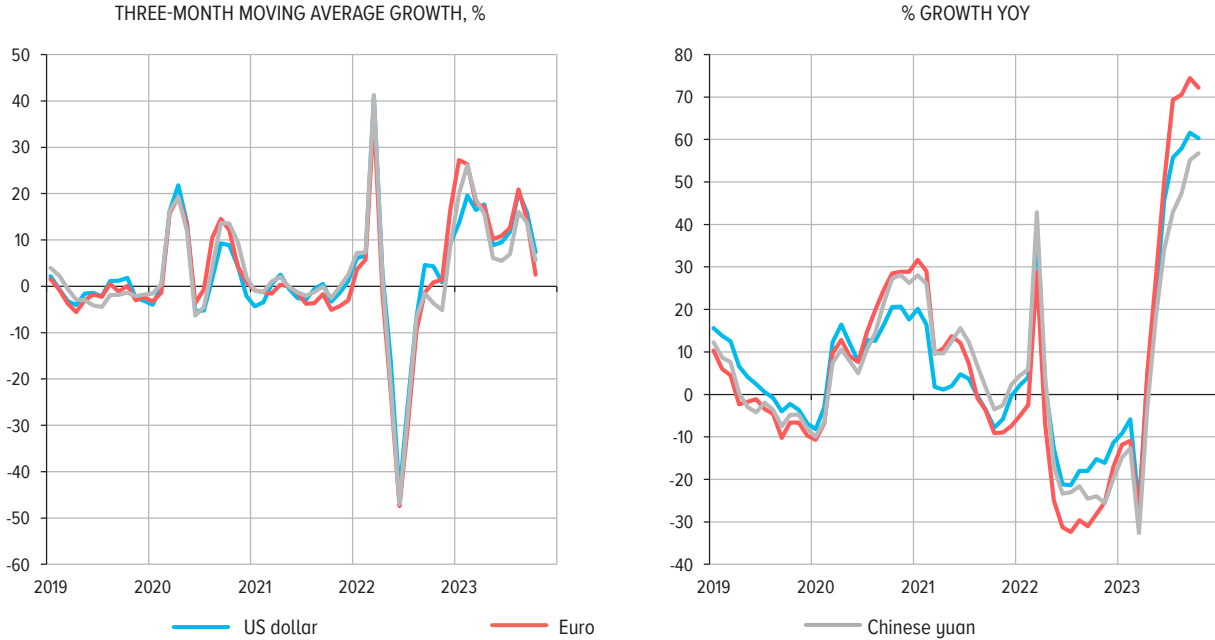
Chart 26



Sources: Rosstat, Bank of Russia calculations.

EXCHANGE RATE OF RUBLE AGAINST FOREIGN CURRENCIES\*

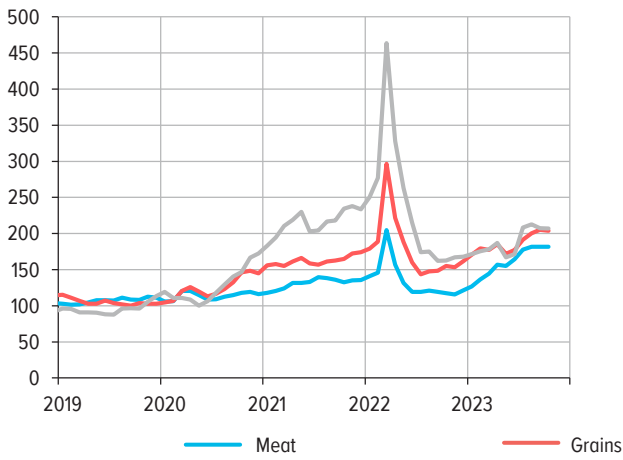
Chart 27



\* '+' means depreciation of the Russian ruble against foreign currencies; '-' means appreciation of the Russian ruble against foreign currencies. Assessment based on the average exchange rate.  
Source: Bank of Russia.

**GLOBAL FOOD PRICES (IN RUBLES)**  
(% GROWTH ON THE 2017–2019 AVERAGE)

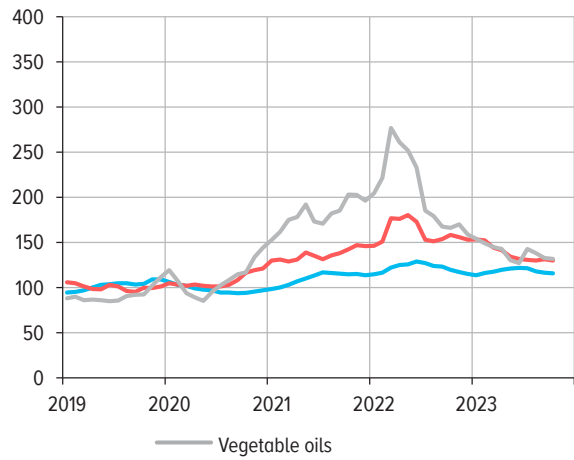
Chart 28



Sources: UN Food and Agriculture Organization, Bank of Russia calculations.

**GLOBAL FOOD PRICES (IN US DOLLARS)**  
(% GROWTH ON THE 2017–2019 AVERAGE)

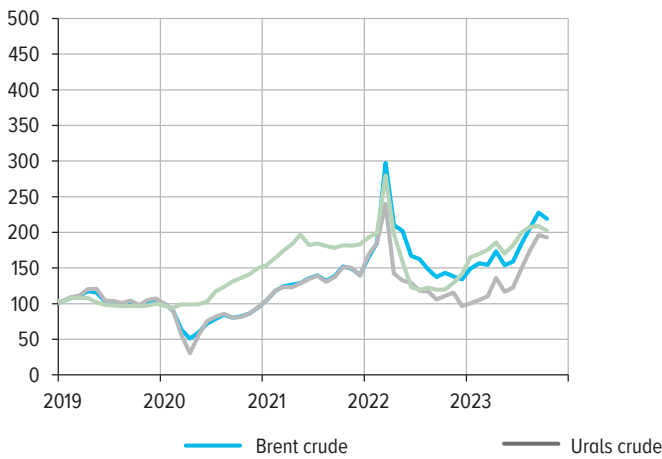
Chart 29



Sources: UN Food and Agriculture Organization, Bank of Russia calculations.

**GLOBAL OIL AND COPPER PRICES (IN RUBLES)**  
(% GROWTH ON THE 2017–2019 AVERAGE)

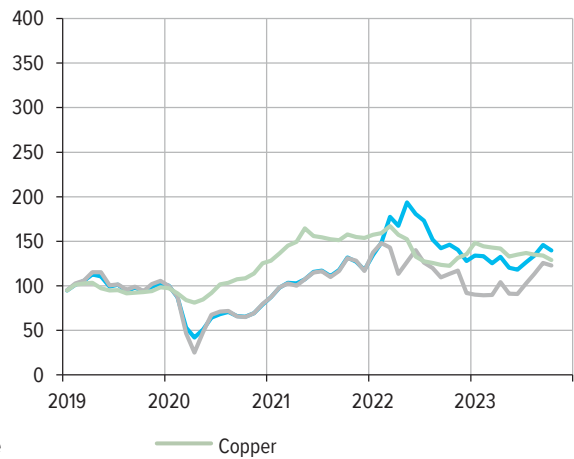
Chart 30



Sources: Bloomberg, Investing, Bank of Russia calculations.

**GLOBAL OIL AND COPPER PRICES (IN US DOLLARS)**  
(% GROWTH ON THE 2017–2019 AVERAGE)

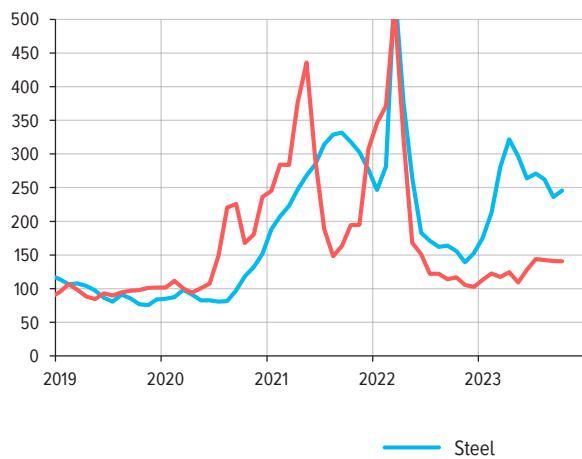
Chart 31



Sources: Bloomberg, Investing, Bank of Russia calculations.

**GLOBAL STEEL AND TIMBER PRICES (IN RUBLES)**  
(% GROWTH ON THE 2017–2019 AVERAGE)

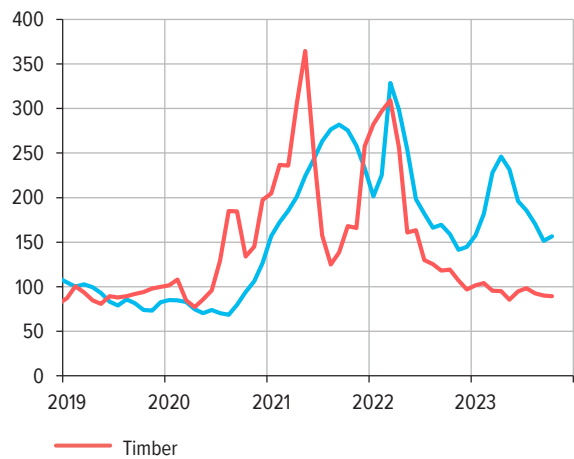
Chart 32



Sources: Bloomberg, Investing, Bank of Russia calculations.

**GLOBAL STEEL AND TIMBER PRICES (IN US DOLLARS)**  
(% GROWTH ON THE 2017–2019 AVERAGE)

Chart 33

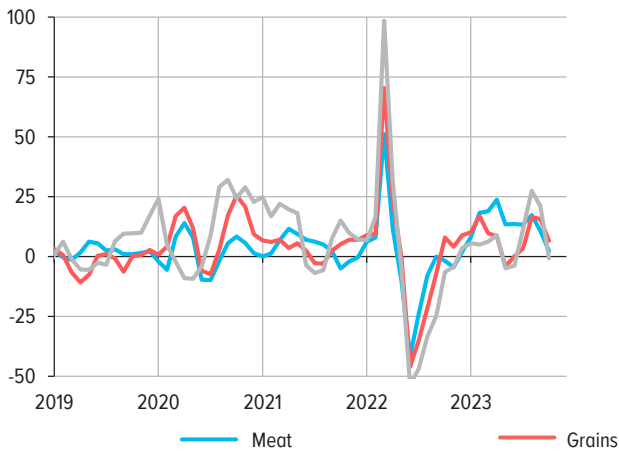


Sources: Bloomberg, Investing, Bank of Russia calculations.



**GLOBAL FOOD PRICES (IN RUBLES)**  
(GROWTH OVER THREE MONTHS, %)

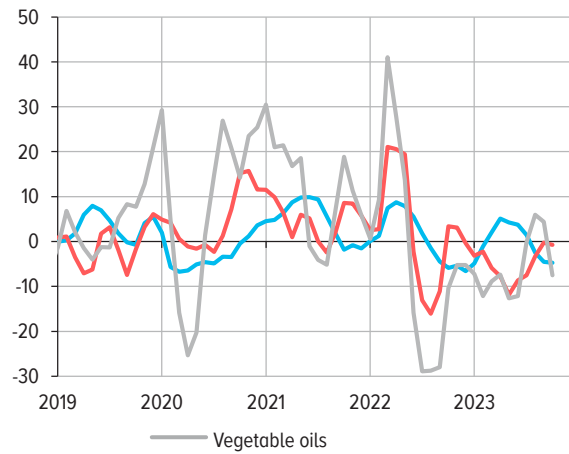
Chart 34



Sources: UN Food and Agriculture Organization, Bank of Russia calculations.

**GLOBAL FOOD PRICES (IN US DOLLARS)**  
(GROWTH OVER THREE MONTHS, %)

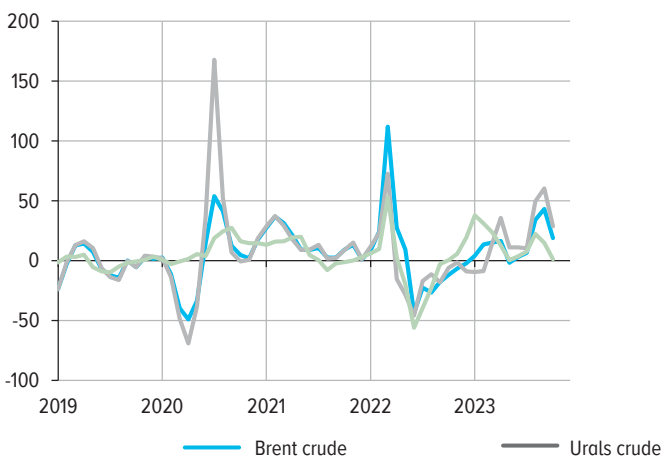
Chart 35



Sources: UN Food and Agriculture Organization, Bank of Russia calculations.

**GLOBAL OIL AND COPPER PRICES (IN RUBLES)**  
(GROWTH OVER THREE MONTHS, %)

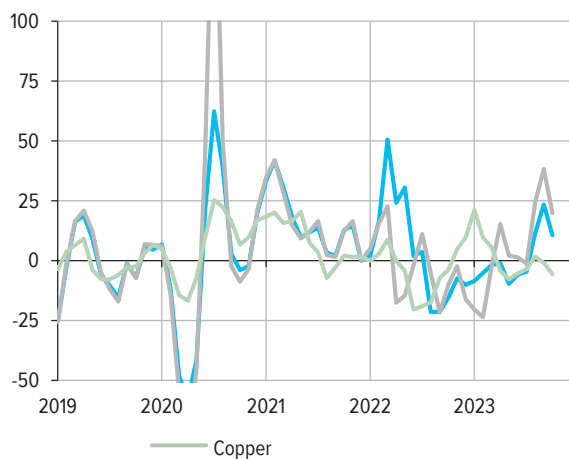
Chart 36



Sources: Bloomberg, Investing, Bank of Russia calculations.

**GLOBAL OIL AND COPPER PRICES (IN US DOLLARS)**  
(GROWTH OVER THREE MONTHS, %)

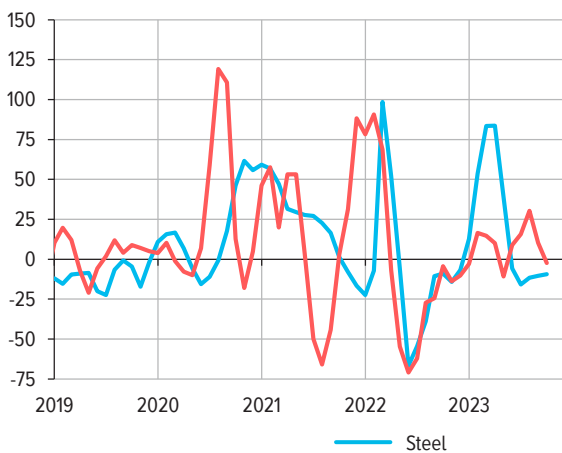
Chart 37



Sources: Bloomberg, Investing, Bank of Russia calculations.

**GLOBAL STEEL AND TIMBER PRICES (IN RUBLES)**  
(GROWTH OVER THREE MONTHS, %)

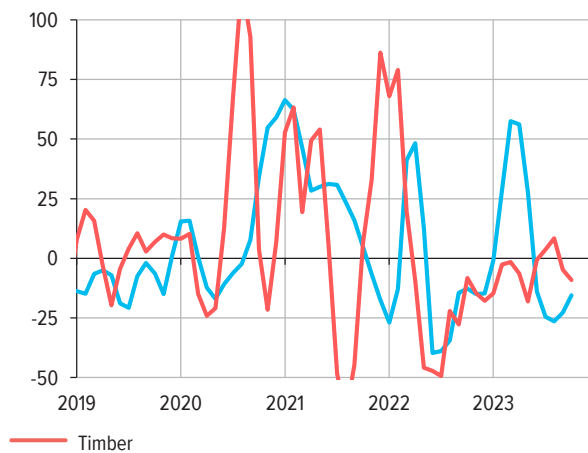
Chart 38



Sources: Bloomberg, Investing, Bank of Russia calculations.

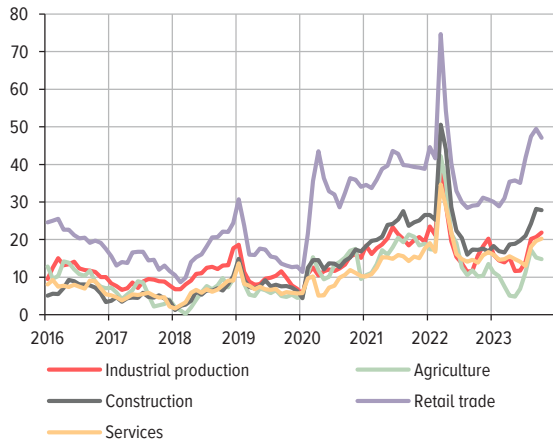
**GLOBAL STEEL AND TIMBER PRICES (IN US DOLLARS)**  
(GROWTH OVER THREE MONTHS, %)

Chart 39



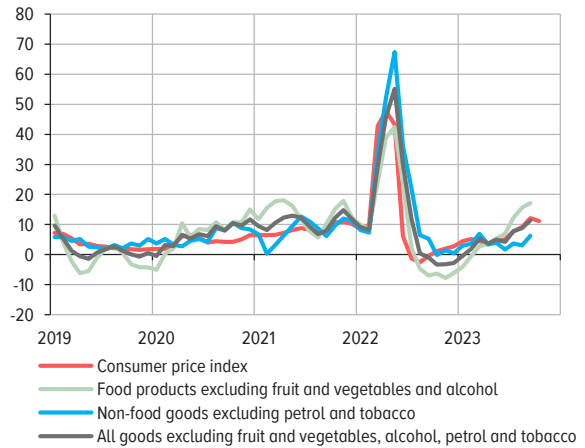
Sources: Bloomberg, Investing, Bank of Russia calculations.

**BUSINESS PRICE EXPECTATIONS, BY KEY INDUSTRY** *Chart 40*  
(BALANCE OF RESPONSES, SA, POINTS)



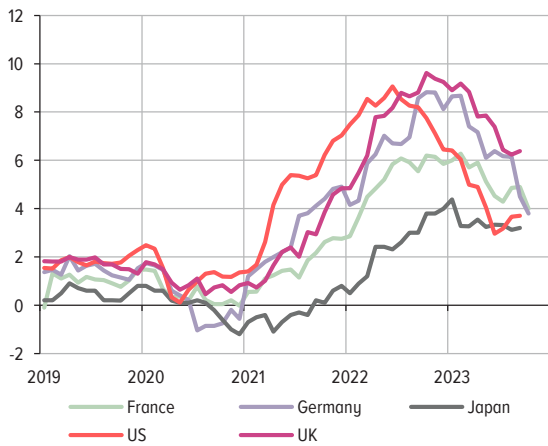
Source: Bank of Russia.

**PRODUCER PRICE INDEX** *Chart 41*  
(%, 3MMA SAAR)



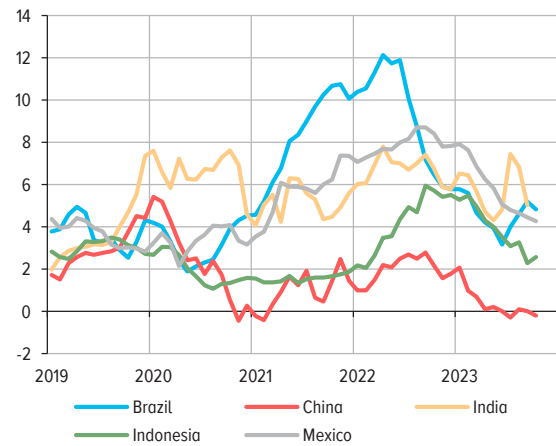
Sources: Rosstat, Bank of Russia calculations.

**INFLATION TRENDS IN ADVANCED ECONOMICS** *Chart 42*  
(% YOY)



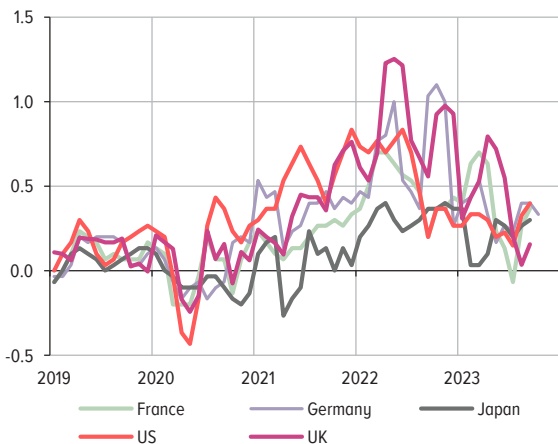
Sources: International Monetary Fund, Investing.

**INFLATION TRENDS IN EMERGING MARKET ECONOMIES** *Chart 43*  
(% YOY)



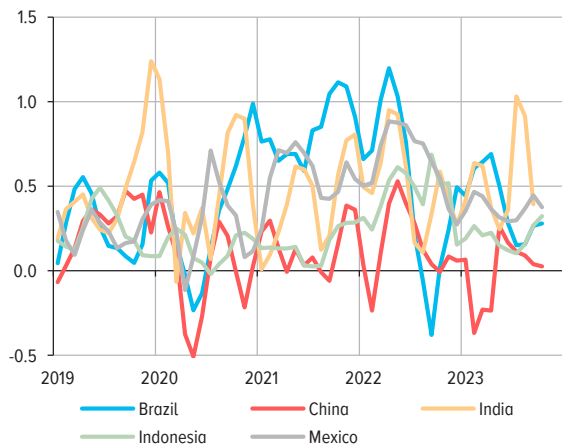
Sources: International Monetary Fund, Investing.

**INFLATION TRENDS IN ADVANCED ECONOMICS** *Chart 44*  
(%, 3MMA SA)



Sources: The French National Institute of Statistics and Economic Studies, Federal Statistical Office of Germany, Statistics Bureau of Japan, Wind, Investing, Bank of Russia calculations.

**INFLATION TRENDS IN EMERGING MARKET ECONOMIES** *Chart 45*  
(%, 3MMA SA)



Sources: Ministry of Statistics & Programme Implementation, Investing, Bank of Russia calculations.

INFLATION IN FEDERAL DISTRICTS  
(% GROWTH YOY)

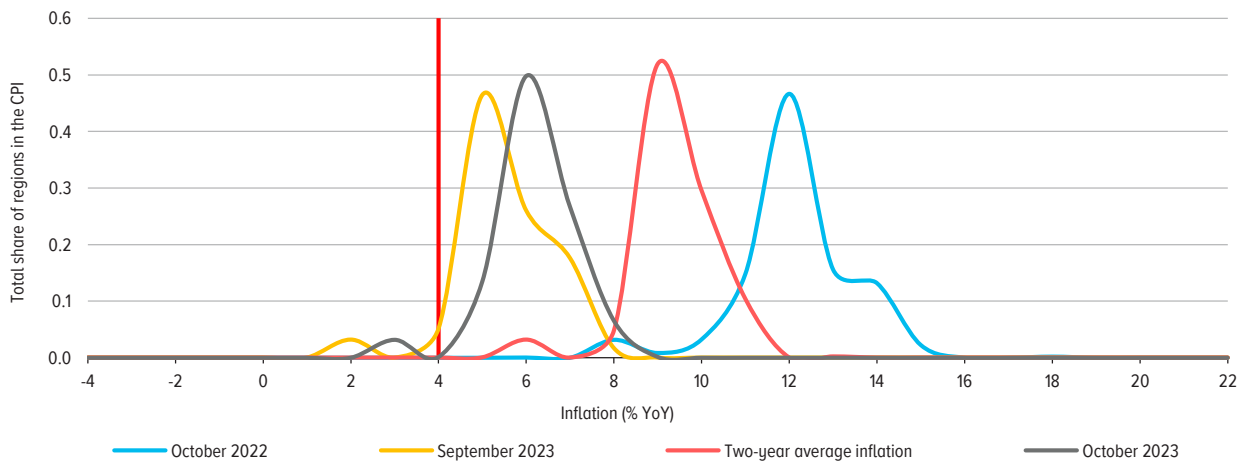
Table 1

	October 2022	September 2023	October 2023	Change in price growth rates, October vs September 2023
Volga FD	12.90	5.50	6.43	0.93
Siberian FD	13.20	6.31	7.22	0.91
Ural FD	10.38	4.63	5.35	0.72
<b>Russia</b>	<b>12.63</b>	<b>6.00</b>	<b>6.69</b>	<b>0.69</b>
North Caucasian FD	12.16	7.13	7.80	0.67
Far Eastern FD	12.25	7.00	7.67	0.67
North-Western FD	12.56	5.86	6.49	0.63
Central FD	13.16	6.10	6.65	0.55
Southern FD	12.14	6.55	7.08	0.53

Source: Rosstat, Bank of Russia calculations.

## DISTRIBUTION OF INFLATION BY REGION

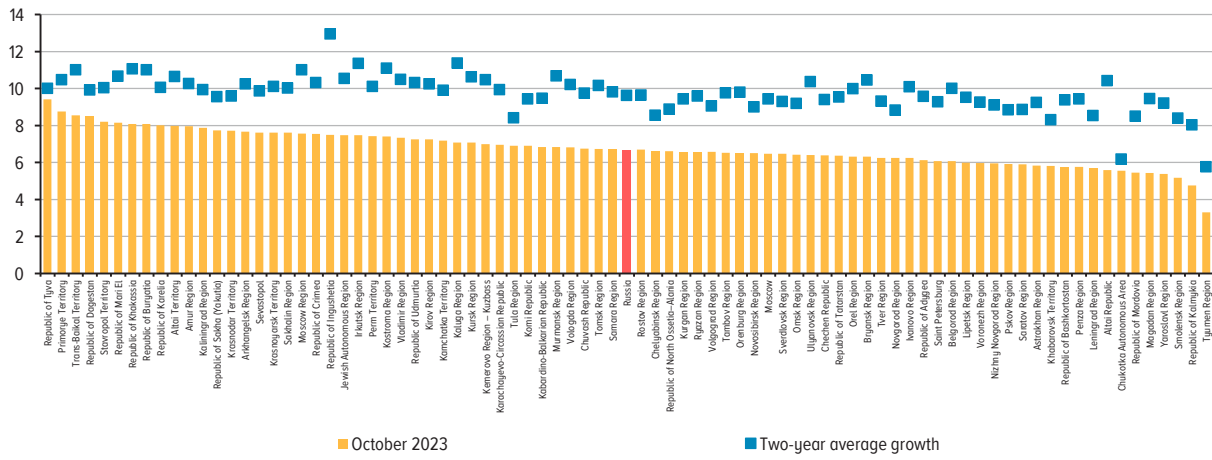
Chart 46



Sources: Rosstat, Bank of Russia calculations.

INFLATION IN RUSSIAN REGIONS IN OCTOBER  
(% GROWTH)

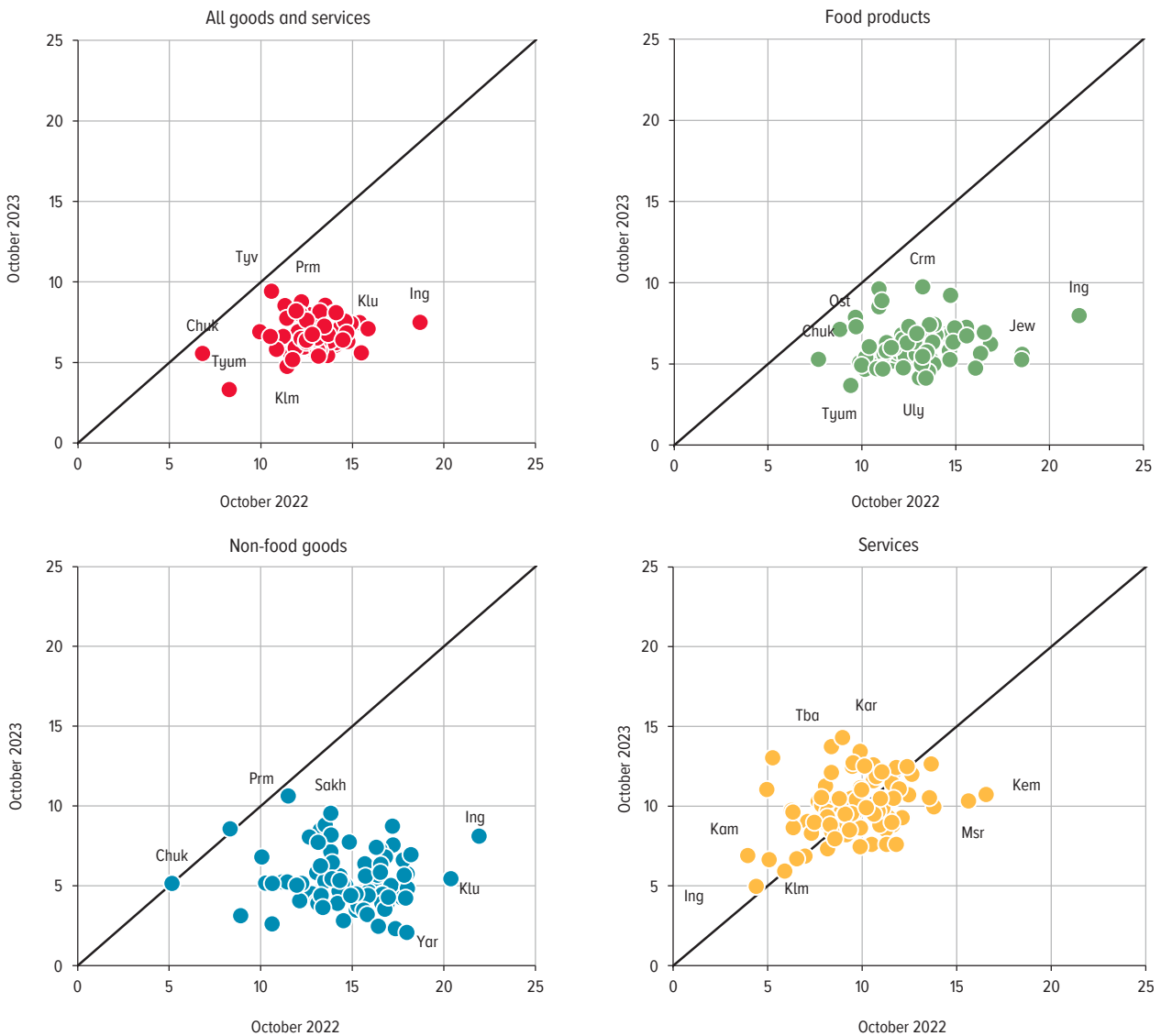
Chart 47



Sources: Rosstat, Bank of Russia calculations.

PRICE INCREASES FOR MAIN COMPONENTS ACROSS REGIONS  
(% YOY)

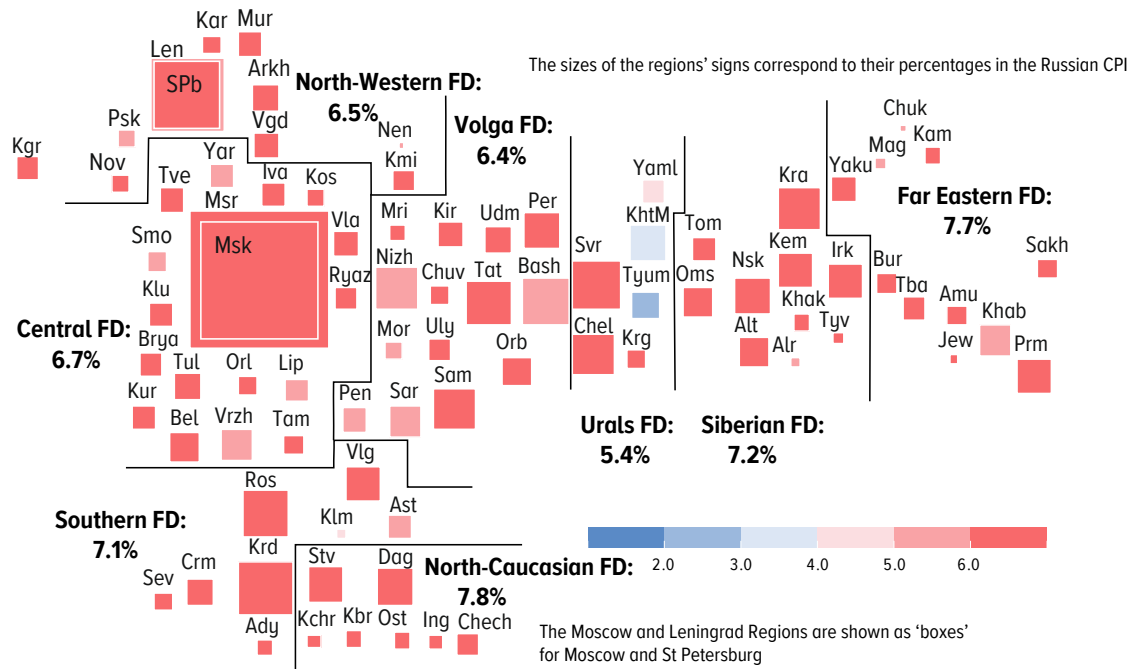
Chart 48



Sources: Rosstat, Bank of Russia calculations.

INFLATION IN RUSSIAN REGIONS  
(PRICE GROWTH IN OCTOBER 2023 YOY)

Chart 49



Note. Official statistics on the main social and economic indicators of the constituent territories of the Russian Federation do not include statistics on the Donetsk People's Republic, the Lugansk People's Republic, the Zaporozhye Region, and the Kherson Region.  
Source: Rosstat.

ABBREVIATED NAMES OF REGIONS

Table 2

<b>Ady</b>	Republic of Adygea	<b>Kmi</b>	Komi Republic	<b>Sam</b>	Samara Region
<b>Alt</b>	Altai Territory	<b>Kos</b>	Kostroma Region	<b>Sar</b>	Saratov Region
<b>Alr</b>	Republic of Altai	<b>Kra</b>	Krasnoyarsk Territory	<b>Sakh</b>	Sakhalin Region
<b>Amu</b>	Amur Region	<b>Krd</b>	Krasnodar Territory	<b>Svr</b>	Sverdlovsk Region
<b>Arkh</b>	Arkhangelsk Region	<b>Crm</b>	Republic of Crimea	<b>Sev</b>	Sevastopol
<b>Ast</b>	Astrakhan Region	<b>Kur</b>	Kursk Region	<b>Smo</b>	Smolensk Region
<b>Bash</b>	Republic of Bashkortostan	<b>Krg</b>	Kurgan Region	<b>SPb</b>	Saint Petersburg
<b>Bel</b>	Belgorod Region	<b>Kchr</b>	Karachayevo-Circassian Republic	<b>Stv</b>	Stavropol Territory
<b>Brya</b>	Bryansk Region	<b>Len</b>	Leningrad Region	<b>Tam</b>	Tambov Region
<b>Bur</b>	Republic of Buryatia	<b>Lip</b>	Lipetsk Region	<b>Tat</b>	Republic of Tatarstan
<b>Vla</b>	Vladimir Region	<b>Mag</b>	Magadan Region	<b>Tve</b>	Tver Region
<b>Vlg</b>	Volgograd Region	<b>Mri</b>	Republic of Mari El	<b>Tom</b>	Tomsk Region
<b>Vgd</b>	Vologda Region	<b>Msr</b>	Moscow Region	<b>Tul</b>	Tula Region
<b>Vrzh</b>	Voronezh Region	<b>Mor</b>	Republic of Mordovia	<b>Tyv</b>	Republic of Tyva
<b>Dag</b>	Republic of Dagestan	<b>MsK</b>	Moscow	<b>Tyum</b>	Tyumen Region
<b>Jew</b>	Jewish Autonomous Region	<b>Mur</b>	Murmansk Region	<b>Udm</b>	Republic of Udmurtia
<b>Tba</b>	Trans-Baikal Territory	<b>Nizh</b>	Nizhny Novgorod Region	<b>Uly</b>	Ulyanovsk Region
<b>Iva</b>	Ivanovo Region	<b>Nov</b>	Novgorod Region	<b>Khab</b>	Khabarovsk Territory
<b>Ing</b>	Republic of Ingushetia	<b>Nsk</b>	Novosibirsk Region	<b>Khak</b>	Republic of Khakassia
<b>Irk</b>	Irkutsk Region	<b>Oms</b>	Omsk Region	<b>Chel</b>	Chelyabinsk Region
<b>Klm</b>	Republic of Kalmykia	<b>Orb</b>	Orenburg Region	<b>Chech</b>	Chechen Republic
<b>Klu</b>	Kaluga Region	<b>Orl</b>	Orel Region	<b>Chuv</b>	Chuvash Republic
<b>Kam</b>	Kamchatka Territory	<b>Ost</b>	Republic of North Ossetia–Alania	<b>Chuk</b>	Chukotka Autonomous Area
<b>Kar</b>	Republic of Karelia	<b>Pen</b>	Penza Region	<b>Yaku</b>	Republic of Sakha (Yakutia)
<b>Kbr</b>	Kabardino-Balkarian Republic	<b>Per</b>	Perm Territory	<b>Yar</b>	Yaroslavl Region
<b>Kem</b>	Kemerovo Region – Kuzbass	<b>Prm</b>	Primorye Territory	<b>Ryaz</b>	Ryazan Region
<b>Kir</b>	Kirov Region	<b>Psk</b>	Pskov Region		
<b>Kgr</b>	Kaliningrad Region	<b>Ros</b>	Rostov Region		

## ANNEX 2

## Statistical tables and charts

CONSUMER PRICES BY GROUP OF GOODS AND SERVICES  
(% MOM)

Table 1

	Inflation	Core inflation	Growth in food prices	Growth in food prices <sup>1</sup>	Growth in fruit and vegetable prices	Growth in non-food prices	Growth in prices for non-food goods excluding petrol	Growth in services prices
<b>2021</b>								
January	0.67	0.50	1.01	0.52	4.77	0.53	0.47	0.38
February	0.78	0.58	1.22	0.62	5.57	0.58	0.53	0.44
March	0.66	0.83	0.82	1.18	-1.69	0.72	0.67	0.37
April	0.58	0.58	0.75	0.72	1.02	0.66	0.68	0.22
May	0.74	0.82	0.96	0.68	2.94	0.74	0.80	0.44
June	0.69	0.75	0.64	0.40	2.35	0.68	0.69	0.76
July	0.31	0.47	-0.50	0.43	-6.87	0.77	0.78	0.88
August	0.17	0.59	-0.51	0.56	-8.39	0.80	0.72	0.32
September	0.60	0.81	0.99	0.89	1.84	0.64	0.78	0.00
October	1.11	0.85	2.17	1.37	8.65	0.78	0.80	0.01
November	0.96	1.14	1.27	1.35	0.73	0.72	0.69	0.81
December	0.82	0.63	1.36	1.07	3.55	0.64	0.61	0.26
<b>2022</b>								
January	0.99	0.82	1.44	0.74	6.59	0.67	0.64	0.76
February	1.17	1.04	1.56	0.96	5.66	0.78	0.87	1.13
March	7.61	9.05	6.73	5.59	14.22	11.25	12.83	3.99
April	1.56	2.01	2.87	3.40	-0.35	0.53	0.62	1.07
May	0.12	0.40	0.60	1.04	-2.21	-0.09	-0.08	-0.32
June	-0.35	0.18	-1.10	0.20	-9.57	-0.41	-0.44	0.88
July	-0.39	-0.18	-1.53	-0.15	-11.53	-0.44	-0.49	1.41
August	-0.52	0.00	-1.36	-0.08	-11.82	-0.05	-0.10	0.05
September	0.05	0.30	-0.38	0.03	-4.11	0.15	0.15	0.51
October	0.18	0.03	0.28	-0.05	3.45	0.04	0.04	0.24
November	0.37	0.18	0.40	-0.15	5.58	0.06	0.06	0.76
December	0.78	-0.03	0.60	0.01	5.83	0.05	0.05	2.04
<b>2023</b>								
January	0.84	0.30	1.32	0.06	11.38	0.21	0.24	1.01
February	0.46	0.13	0.79	-0.03	6.69	-0.08	-0.08	0.72
March	0.37	0.37	0.13	0.15	0.06	0.14	0.15	0.97
April	0.38	0.31	0.29	0.09	1.61	0.15	0.16	0.79
May	0.31	0.52	-0.31	0.21	-3.80	0.34	0.25	1.13
June	0.37	0.49	-0.01	0.33	-2.35	0.42	0.26	0.83
July	0.63	0.53	0.49	0.31	1.77	0.91	0.72	0.48
August	0.28	0.75	-0.06	0.78	-5.96	1.14	0.94	-0.32
September	0.87	0.92	0.86	0.94	0.24	1.09	0.94	0.61
October	0.83	0.89	1.35	1.27	1.91	0.55	0.87	0.48

<sup>1</sup> Excluding fruit and vegetables.

Note. Tables 1–7, Charts 1–36: Rosstat data, Bank of Russia calculations.



CONSUMER PRICES BY GROUP OF GOODS AND SERVICES  
(% MOM, SA)

Table 2

	Inflation	Core inflation	Growth in food prices	Growth in food prices <sup>1</sup>	Growth in fruit and vegetable prices	Growth in non-food prices	Growth in prices for non-food goods excluding petrol	Growth in services prices
<b>2021</b>								
January	0.39	0.41	0.29	0.51	-1.36	0.55	0.50	0.35
February	0.60	0.61	0.70	0.63	1.19	0.59	0.54	0.49
March	0.60	0.73	0.64	1.08	-2.37	0.69	0.64	0.44
April	0.55	0.59	0.55	0.70	-0.48	0.68	0.70	0.37
May	0.82	0.82	1.13	0.90	2.79	0.79	0.85	0.45
June	0.74	0.82	1.02	0.60	3.98	0.76	0.79	0.28
July	0.43	0.63	0.25	0.55	-1.77	0.85	0.87	0.14
August	0.64	0.64	0.75	0.63	1.69	0.79	0.71	0.26
September	0.87	0.73	1.45	0.84	6.50	0.55	0.68	0.47
October	1.05	0.82	1.82	1.20	6.82	0.69	0.69	0.40
November	0.68	1.09	0.83	1.22	-2.04	0.67	0.63	0.46
December	0.70	0.67	0.67	0.95	-1.37	0.65	0.63	0.82
<b>2022</b>								
January	0.67	0.72	0.67	0.74	0.18	0.69	0.66	0.66
February	0.97	1.07	0.99	0.96	1.14	0.79	0.89	1.19
March	7.54	8.95	6.53	5.46	13.53	11.22	12.80	4.05
April	1.52	2.01	2.65	3.38	-1.74	0.55	0.64	1.23
May	0.22	0.41	0.79	1.24	-2.07	-0.04	-0.03	-0.28
June	-0.27	0.24	-0.70	0.39	-7.79	-0.33	-0.35	0.44
July	-0.27	-0.01	-0.83	-0.02	-6.67	-0.36	-0.40	0.69
August	-0.10	0.05	-0.24	0.00	-2.20	-0.06	-0.11	0.04
September	0.27	0.19	-0.01	-0.01	0.08	0.06	0.05	0.95
October	0.12	0.02	-0.04	-0.22	1.63	-0.05	-0.06	0.61
November	0.11	0.11	0.01	-0.27	2.66	0.01	0.00	0.37
December	0.46	0.03	-0.01	-0.10	0.79	0.06	0.07	1.70
<b>2023</b>								
January	0.53	0.19	0.55	0.05	4.52	0.23	0.26	0.91
February	0.27	0.17	0.23	-0.03	2.07	-0.07	-0.07	0.77
March	0.30	0.27	-0.03	0.04	-0.48	0.11	0.12	0.98
April	0.36	0.32	0.10	0.08	0.25	0.17	0.19	0.94
May	0.42	0.51	-0.09	0.41	-3.46	0.39	0.31	1.18
June	0.47	0.56	0.41	0.52	-0.31	0.51	0.36	0.50
July	0.97	0.69	1.27	0.44	7.14	0.99	0.82	0.57
August	0.76	0.80	1.27	0.86	4.18	1.13	0.92	-0.36
September	1.13	0.83	1.31	0.89	4.48	0.99	0.83	1.06
October	0.76	0.86	0.98	1.08	0.16	0.46	0.77	0.84

<sup>1</sup> Excluding fruit and vegetables.

CONSUMER PRICES BY GROUP OF GOODS AND SERVICES  
(CUMULATIVE, % YEAR-TO-DATE)

Table 3

	Inflation	Core inflation	Growth in food prices	Growth in food prices <sup>1</sup>	Growth in fruit and vegetable prices	Growth in non-food prices	Growth in prices for non-food goods excluding petrol	Growth in services prices
<b>2021</b>								
January	0.67	0.50	1.01	0.52	4.77	0.53	0.47	0.38
February	1.46	1.08	2.24	1.14	10.61	1.11	1.00	0.82
March	2.13	1.92	3.08	2.33	8.74	1.84	1.68	1.19
April	2.72	2.51	3.85	3.07	9.85	2.51	2.37	1.41
May	3.48	3.35	4.85	3.77	13.08	3.27	3.19	1.86
June	4.19	4.13	5.52	4.19	15.74	3.97	3.91	2.63
July	4.51	4.62	4.99	4.64	7.79	4.77	4.72	3.53
August	4.69	5.24	4.45	5.23	-1.25	5.61	5.47	3.86
September	5.32	6.09	5.48	6.17	0.57	6.29	6.30	3.86
October	6.49	6.99	7.77	7.62	9.27	7.12	7.15	3.87
November	7.51	8.21	9.14	9.07	10.07	7.89	7.89	4.71
December	8.39	8.89	10.62	10.24	13.98	8.58	8.54	4.98
<b>2022</b>								
January	0.99	0.82	1.44	0.74	6.59	0.67	0.64	0.76
February	2.17	1.87	3.02	1.71	12.62	1.46	1.52	1.90
March	9.95	11.09	9.95	7.40	28.63	12.87	14.54	5.97
April	11.67	13.32	13.11	11.05	28.18	13.47	15.25	7.10
May	11.80	13.77	13.79	12.20	25.35	13.37	15.17	6.76
June	11.41	13.97	12.54	12.42	13.35	12.91	14.66	7.70
July	10.98	13.76	10.82	12.25	0.28	12.41	14.10	9.22
August	10.40	13.76	9.31	12.16	-11.57	12.35	13.98	9.27
September	10.46	14.10	8.89	12.19	-15.20	12.52	14.16	9.83
October	10.66	14.13	9.19	12.13	-12.27	12.57	14.21	10.09
November	11.07	14.34	9.63	11.96	-7.37	12.64	14.28	10.93
December	11.94	14.31	10.29	11.97	-1.97	12.70	14.34	13.19
<b>2023</b>								
January	0.84	0.30	1.32	0.06	11.38	0.21	0.24	1.01
February	1.30	0.43	2.12	0.03	18.83	0.13	0.16	1.74
March	1.67	0.80	2.25	0.18	18.90	0.27	0.31	2.73
April	2.06	1.11	2.55	0.27	20.81	0.42	0.47	3.54
May	2.38	1.64	2.23	0.48	16.22	0.76	0.73	4.71
June	2.76	2.14	2.22	0.81	13.49	1.18	0.98	5.58
July	3.41	2.68	2.72	1.12	15.50	2.10	1.71	6.09
August	3.70	3.45	2.66	1.91	8.62	3.26	2.66	5.75
September	4.60	4.40	3.54	2.87	8.88	4.39	3.62	6.40
October	5.47	5.33	4.94	4.18	10.96	4.96	4.52	6.91

<sup>1</sup> Excluding fruit and vegetables.

CONSUMER PRICES BY GROUP OF GOODS AND SERVICES  
(% YOY)

Table 4

	Inflation	Core inflation	Growth in food prices	Growth in food prices <sup>1</sup>	Growth in fruit and vegetable prices	Growth in non-food prices	Growth in prices for non-food goods excluding petrol	Growth in services prices
<b>2021</b>								
January	5.19	4.55	7.03	5.87	16.33	5.10	5.36	2.84
February	5.67	5.04	7.72	6.54	16.63	5.67	5.88	2.91
March	5.79	5.38	7.58	6.98	11.87	5.92	6.02	3.20
April	5.53	5.47	6.55	6.77	4.75	6.16	6.19	3.30
May	6.02	6.04	7.40	7.24	8.23	6.68	6.74	3.29
June	6.50	6.55	7.90	7.42	11.16	7.04	7.17	3.95
July	6.46	6.78	7.43	7.59	6.15	7.55	7.78	3.83
August	6.68	7.07	7.70	7.92	6.05	7.97	8.09	3.78
September	7.40	7.61	9.21	8.56	15.17	8.06	8.26	4.22
October	8.13	8.03	10.89	9.25	25.60	8.17	8.31	4.36
November	8.40	8.71	10.81	9.83	19.38	8.32	8.35	5.15
December	8.39	8.89	10.62	10.24	13.98	8.58	8.54	4.98
<b>2022</b>								
January	8.73	9.24	11.09	10.48	15.96	8.73	8.72	5.38
February	9.15	9.74	11.46	10.86	16.05	8.96	9.09	6.10
March	16.69	18.69	17.99	15.70	34.83	20.34	22.27	9.94
April	17.83	20.37	20.48	18.78	33.00	20.19	22.20	10.87
May	17.10	19.87	20.05	19.20	26.35	19.20	21.13	10.03
June	15.90	19.18	17.98	18.95	11.63	17.92	19.76	10.17
July	15.10	18.40	16.76	18.26	6.04	16.50	18.26	10.75
August	14.30	17.71	15.77	17.50	2.07	15.51	17.30	10.45
September	13.68	17.11	14.20	16.49	-3.89	14.94	16.57	11.01
October	12.63	16.16	12.08	14.86	-8.49	14.10	15.69	11.27
November	11.98	15.06	11.12	13.16	-4.08	13.36	14.96	11.22
December	11.94	14.31	10.29	11.97	-1.97	12.70	14.33	13.19
<b>2023</b>								
January	11.77	13.72	10.16	11.21	2.44	12.19	13.88	13.47
February	10.99	12.69	9.33	10.12	3.44	11.22	12.80	13.01
March	3.51	3.72	2.57	4.44	-9.39	0.12	0.12	9.73
April	2.31	1.99	-0.01	1.10	-7.61	-0.26	-0.33	9.43
May	2.51	2.12	-0.91	0.27	-9.11	0.16	0.00	11.02
June	3.25	2.44	0.18	0.41	-1.85	0.99	0.70	10.96
July	4.30	3.18	2.23	0.87	12.91	2.36	1.93	9.95
August	5.15	3.95	3.58	1.74	20.41	3.58	2.98	9.54
September	6.00	4.59	4.87	2.67	25.87	4.56	3.79	9.66
October	6.69	5.50	6.00	4.03	23.99	5.08	4.65	9.92

<sup>1</sup> Excluding fruit and vegetables.

INCREASE IN INFLATION DUE TO PRICE CHANGES BY GROUP OF GOODS AND SERVICES YEAR-TO-DATE  
(PP)

Table 5

	Food products <sup>1</sup>	Non-food goods	Paid services	Fruit and vegetables	Inflation for the period, %	Core inflation	Non-core inflation <sup>2</sup>
<b>2021</b>							
January	0.18	0.19	0.10	0.21	<b>0.67</b>	0.35	0.32
February	0.38	0.39	0.22	0.47	<b>1.46</b>	0.75	0.71
March	0.79	0.64	0.32	0.39	<b>2.13</b>	1.33	0.80
April	1.04	0.88	0.38	0.44	<b>2.72</b>	1.74	0.98
May	1.27	1.14	0.50	0.58	<b>3.48</b>	2.32	1.16
June	1.41	1.39	0.71	0.70	<b>4.19</b>	2.86	1.33
July	1.57	1.67	0.95	0.34	<b>4.51</b>	3.20	1.31
August	1.76	1.96	1.04	-0.06	<b>4.69</b>	3.63	1.06
September	2.08	2.20	1.04	0.03	<b>5.32</b>	4.22	1.10
October	2.57	2.49	1.04	0.41	<b>6.49</b>	4.85	1.64
November	3.06	2.76	1.27	0.45	<b>7.51</b>	5.69	1.82
December	3.45	3.00	1.34	0.62	<b>8.39</b>	6.16	2.23
<b>2022</b>							
January	0.25	0.24	0.20	0.30	<b>0.99</b>	0.57	0.42
February	0.57	0.52	0.50	0.58	<b>2.17</b>	1.30	0.87
March	2.47	4.59	1.57	1.31	<b>9.95</b>	7.69	2.26
April	3.70	4.80	1.87	1.29	<b>11.67</b>	9.24	2.43
May	4.08	4.76	1.78	1.16	<b>11.80</b>	9.55	2.25
June	4.16	4.60	2.03	0.61	<b>11.41</b>	9.69	1.72
July	4.10	4.42	2.43	0.01	<b>10.98</b>	9.54	1.44
August	4.07	4.40	2.44	-0.53	<b>10.40</b>	9.54	0.86
September	4.08	4.46	2.59	-0.70	<b>10.46</b>	9.78	0.68
October	4.06	4.48	2.66	-0.56	<b>10.66</b>	9.80	0.86
November	4.00	4.50	2.88	-0.34	<b>11.07</b>	9.94	1.13
December	4.01	4.52	3.47	-0.09	<b>11.94</b>	9.92	2.02
<b>2023</b>							
January	0.02	0.07	0.28	0.47	<b>0.84</b>	0.21	0.63
February	0.01	0.05	0.47	0.79	<b>1.30</b>	0.30	1.00
March	0.06	0.09	0.74	0.79	<b>1.67</b>	0.55	1.12
April	0.09	0.15	0.96	0.87	<b>2.06</b>	0.77	1.29
May	0.16	0.27	1.28	0.68	<b>2.38</b>	1.14	1.24
June	0.27	0.41	1.52	0.56	<b>2.76</b>	1.48	1.28
July	0.38	0.74	1.66	0.65	<b>3.41</b>	1.86	1.55
August	0.64	1.15	1.57	0.36	<b>3.70</b>	2.39	1.31
September	0.96	1.54	1.74	0.37	<b>4.60</b>	3.05	1.55
October	1.40	1.74	1.88	0.46	<b>5.47</b>	3.70	1.77

<sup>1</sup> Excluding fruit and vegetables.<sup>2</sup> Increase in prices for goods and services excluded from the core consumer price index calculation.

INCREASE IN INFLATION DUE TO PRICE CHANGES BY GROUP OF GOODS AND SERVICES MONTH-ON-MONTH  
(PP)

Table 6

	Food products <sup>1</sup>	Non-food goods	Paid services	Fruit and vegetables	Inflation for the period, %	Core inflation	Non-core inflation <sup>2</sup>
<b>2021</b>							
January	0.18	0.19	0.10	0.21	<b>0.67</b>	0.35	0.32
February	0.21	0.20	0.12	0.25	<b>0.78</b>	0.40	0.38
March	0.40	0.25	0.10	-0.07	<b>0.66</b>	0.58	0.08
April	0.25	0.23	0.06	0.05	<b>0.58</b>	0.41	0.17
May	0.24	0.26	0.12	0.13	<b>0.74</b>	0.58	0.16
June	0.14	0.24	0.20	0.10	<b>0.69</b>	0.54	0.15
July	0.15	0.27	0.24	-0.30	<b>0.31</b>	0.34	-0.03
August	0.20	0.28	0.09	-0.37	<b>0.17</b>	0.43	-0.26
September	0.32	0.22	0.00	0.08	<b>0.60</b>	0.59	0.01
October	0.49	0.27	0.00	0.38	<b>1.11</b>	0.62	0.49
November	0.49	0.25	0.22	0.03	<b>0.96</b>	0.85	0.11
December	0.39	0.22	0.07	0.16	<b>0.82</b>	0.47	0.35
<b>2022</b>							
January	0.25	0.24	0.20	0.30	<b>0.99</b>	0.57	0.42
February	0.33	0.28	0.30	0.26	<b>1.17</b>	0.73	0.44
March	1.91	4.01	1.05	0.65	<b>7.61</b>	6.39	1.22
April	1.11	0.19	0.28	-0.02	<b>1.56</b>	1.55	0.01
May	0.33	-0.03	-0.08	-0.10	<b>0.12</b>	0.31	-0.19
June	0.02	-0.15	0.23	-0.44	<b>-0.35</b>	0.14	-0.49
July	-0.05	-0.16	0.37	-0.53	<b>-0.39</b>	-0.15	-0.24
August	0.03	-0.02	0.01	-0.54	<b>-0.52</b>	0.00	-0.52
September	0.04	0.05	0.13	-0.19	<b>0.05</b>	0.24	-0.19
October	-0.05	0.01	0.06	0.16	<b>0.18</b>	0.02	0.16
November	-0.10	0.02	0.20	0.26	<b>0.37</b>	0.15	0.22
December	-0.04	0.02	0.54	0.27	<b>0.78</b>	-0.02	0.80
<b>2023</b>							
January	0.02	0.07	0.28	0.47	<b>0.84</b>	0.21	0.63
February	0.02	-0.03	0.20	0.28	<b>0.46</b>	0.09	0.37
March	0.05	0.05	0.26	0.00	<b>0.37</b>	0.26	0.11
April	0.04	0.05	0.22	0.07	<b>0.38</b>	0.21	0.17
May	0.04	0.12	0.31	-0.16	<b>0.31</b>	0.37	-0.06
June	0.09	0.15	0.23	-0.10	<b>0.37</b>	0.35	0.02
July	0.11	0.32	0.13	0.07	<b>0.63</b>	0.37	0.26
August	0.23	0.40	-0.09	-0.25	<b>0.28</b>	0.53	-0.25
September	0.31	0.38	0.17	0.01	<b>0.87</b>	0.66	0.21
October	0.43	0.19	0.13	0.08	<b>0.83</b>	0.64	0.19

<sup>1</sup> Excluding fruit and vegetables.<sup>2</sup> Increase in prices for goods and services excluded from the core consumer price index calculation.

## CONTRIBUTION TO INCREASE IN INFLATION BY GROUP OF GOODS AND SERVICES YEAR-TO-DATE (%)

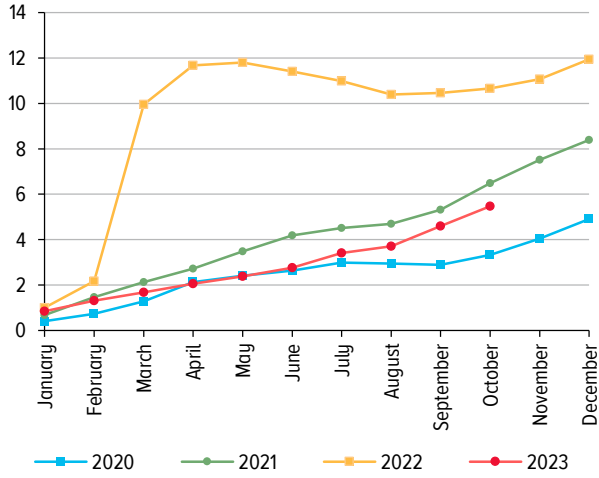
Table 7

	Food products <sup>1</sup>	Non-food goods	Paid services	Fruit and vegetables	Core inflation	Non-core inflation <sup>2</sup>
<b>2021</b>						
January	26	28	15	32	52	48
February	26	27	15	32	51	49
March	37	30	15	18	63	38
April	38	32	14	16	64	36
May	37	33	14	17	67	33
June	34	33	17	17	68	32
July	35	37	21	8	71	29
August	38	42	22	-1	77	23
September	39	41	19	0	79	21
October	40	38	16	6	75	25
November	41	37	17	6	76	24
December	41	36	16	7	73	27
<b>2022</b>						
January	25	24	20	31	57	43
February	26	24	23	27	60	40
March	25	46	16	13	77	23
April	32	41	16	11	79	21
May	35	40	15	10	81	19
June	36	40	18	5	85	15
July	37	40	22	0	87	13
August	39	42	23	-5	92	8
September	39	43	25	-7	93	7
October	38	42	25	-5	92	8
November	36	41	26	-3	90	10
December	34	38	29	-1	83	17
<b>2023</b>						
January	3	9	33	57	25	75
February	1	4	36	60	23	77
March	4	6	45	47	33	67
April	4	7	47	42	37	63
May	7	11	54	28	48	52
June	10	15	55	20	54	46
July	11	22	49	19	54	46
August	17	31	42	10	65	35
September	21	34	38	8	66	34
October	26	32	34	8	68	32

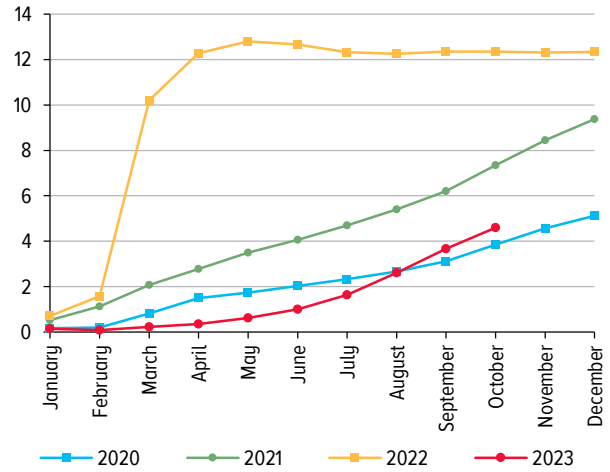
<sup>1</sup> Excluding fruit and vegetables.<sup>2</sup> Increase in prices for goods and services excluded from the core consumer price index calculation.



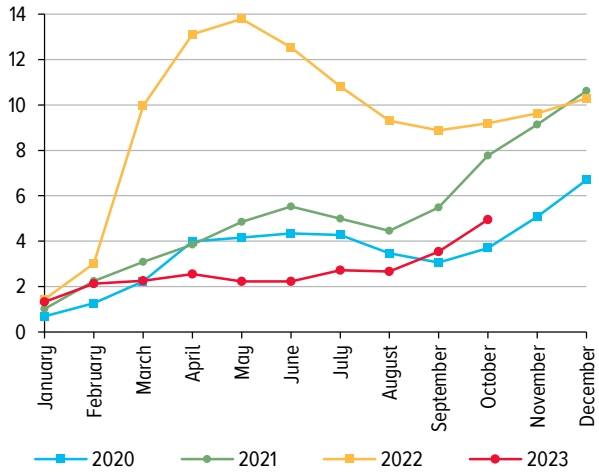
**PRICES FOR CONSUMER GOODS AND SERVICES** *Chart 1*  
(% ON DECEMBER OF PREVIOUS YEAR)



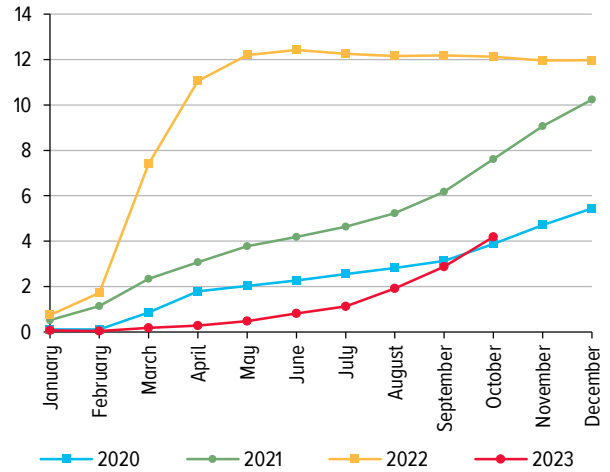
**PRICES FOR CONSUMER GOODS AND SERVICES EXCLUDING FRUIT AND VEGETABLES, PETROLEUM PRODUCTS, HOUSING AND UTILITY SERVICES** *Chart 2*  
(% ON DECEMBER OF PREVIOUS YEAR)



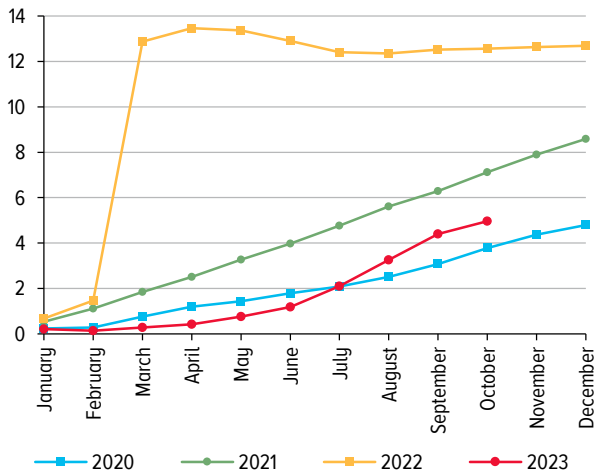
**FOOD PRICES** *Chart 3*  
(% ON DECEMBER OF PREVIOUS YEAR)



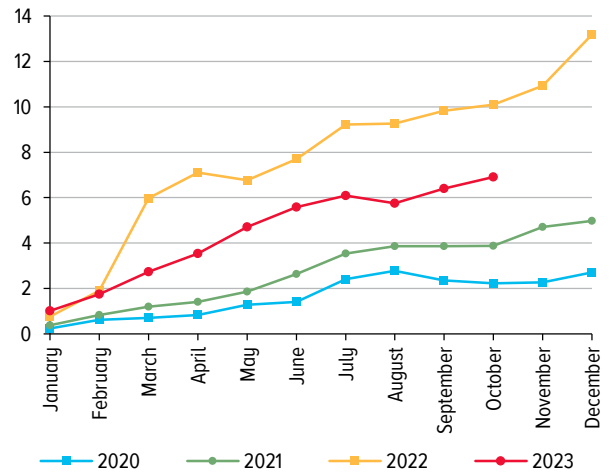
**FOOD PRICES EXCLUDING FRUIT AND VEGETABLES** *Chart 4*  
(% ON DECEMBER OF PREVIOUS YEAR)



**NON-FOOD PRICES** *Chart 5*  
(% ON DECEMBER OF PREVIOUS YEAR)



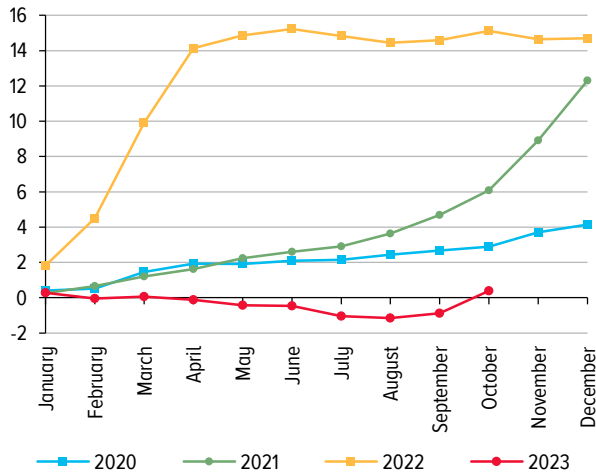
**SERVICES PRICES** *Chart 6*  
(% ON DECEMBER OF PREVIOUS YEAR)





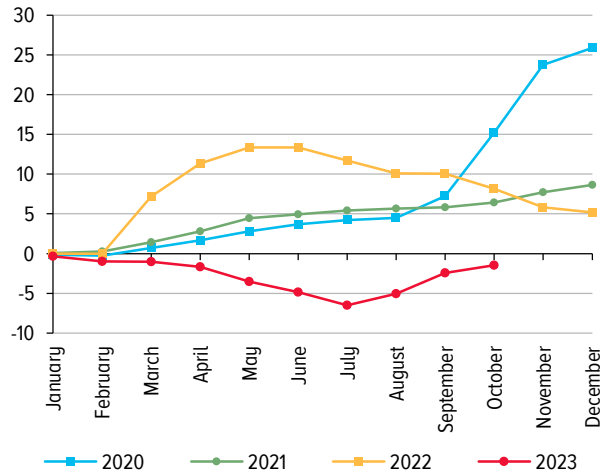
**BUTTER PRICES**  
(% ON DECEMBER OF PREVIOUS YEAR)

Chart 13



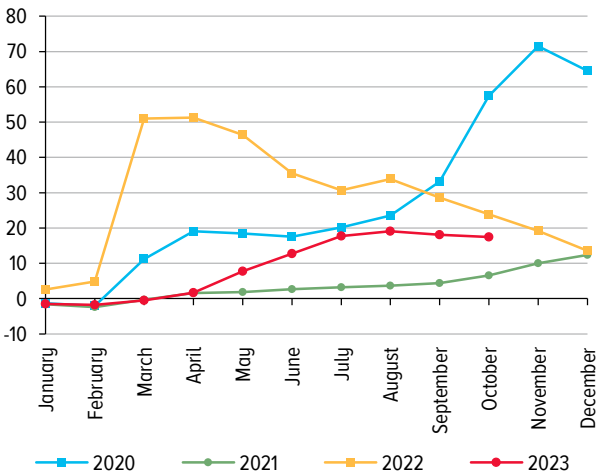
**SUNFLOWER OIL PRICES**  
(% ON DECEMBER OF PREVIOUS YEAR)

Chart 14



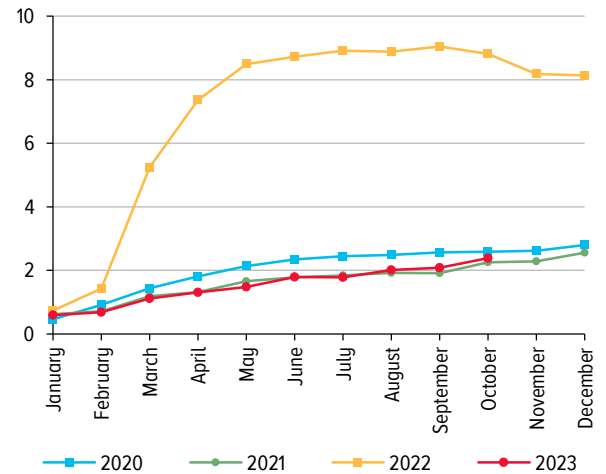
**GRANULATED SUGAR PRICES**  
(% ON DECEMBER OF PREVIOUS YEAR)

Chart 15



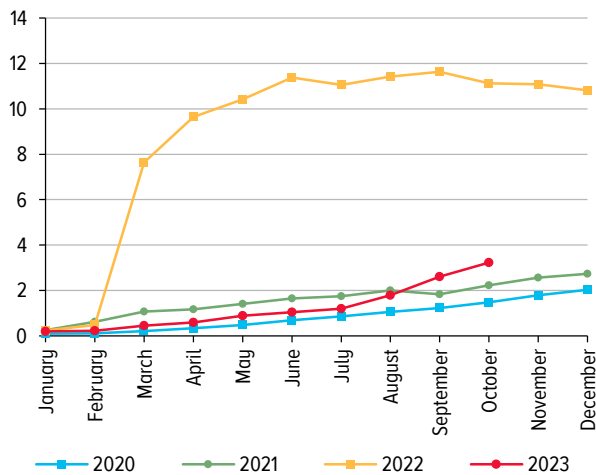
**ALCOHOL PRICES**  
(% ON DECEMBER OF PREVIOUS YEAR)

Chart 16



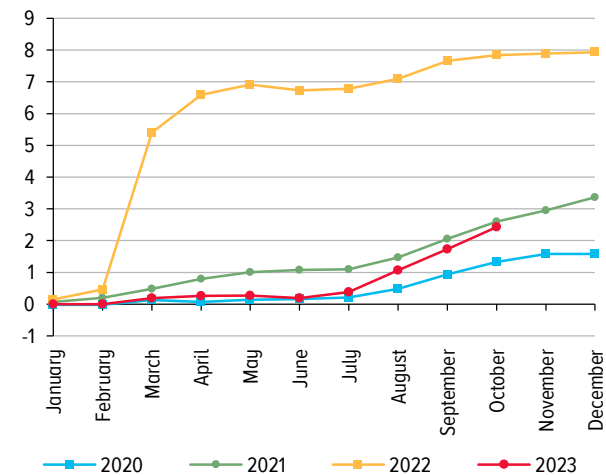
**TEXTILE PRICES**  
(% ON DECEMBER OF PREVIOUS YEAR)

Chart 17



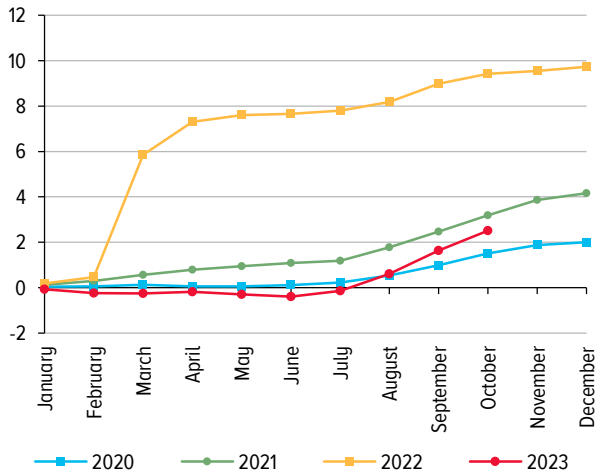
**CLOTHES AND UNDERWEAR PRICES**  
(% ON DECEMBER OF PREVIOUS YEAR)

Chart 18



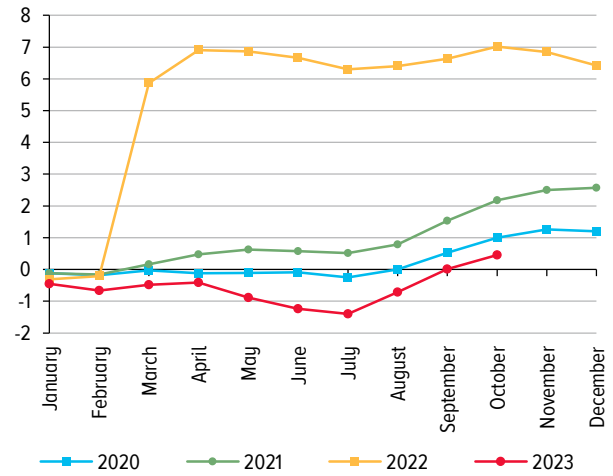
**KNITWEAR PRICES**  
(% ON DECEMBER OF PREVIOUS YEAR)

Chart 19



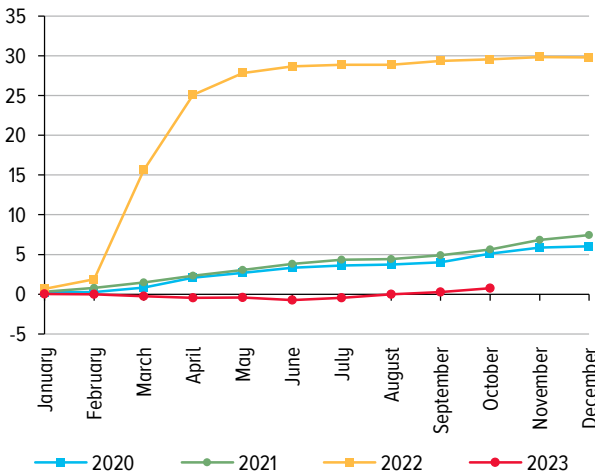
**FOOTWEAR PRICES**  
(% ON DECEMBER OF PREVIOUS YEAR)

Chart 20



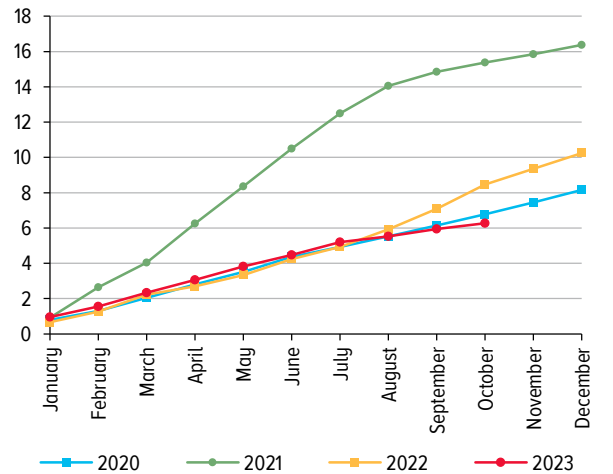
**CLEANER AND DETERGENT PRICES**  
(% ON DECEMBER OF PREVIOUS YEAR)

Chart 21



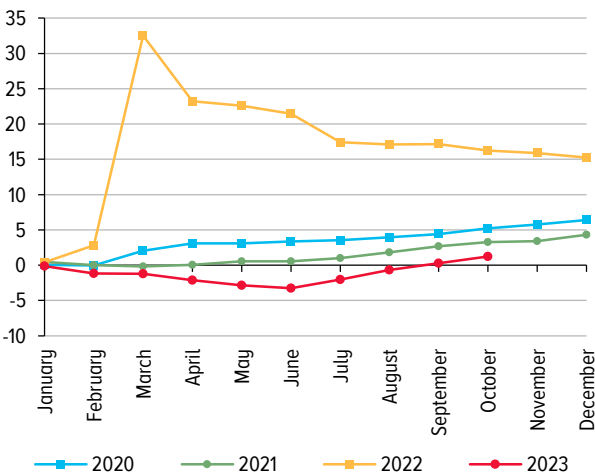
**TOBACCO PRICES**  
(% ON DECEMBER OF PREVIOUS YEAR)

Chart 22



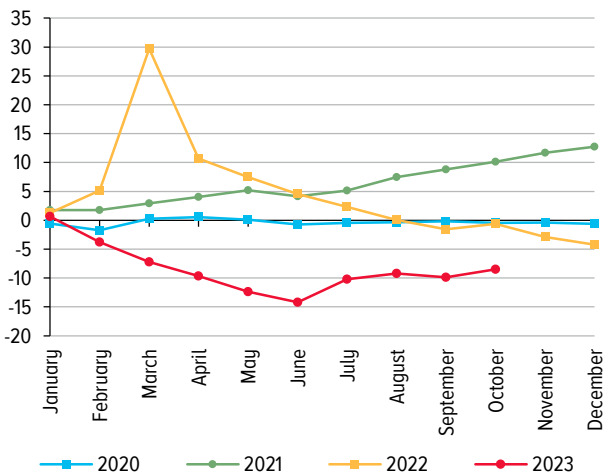
**HOUSEHOLD ELECTRONICS AND APPLIANCE PRICES**  
(% ON DECEMBER OF PREVIOUS YEAR)

Chart 23



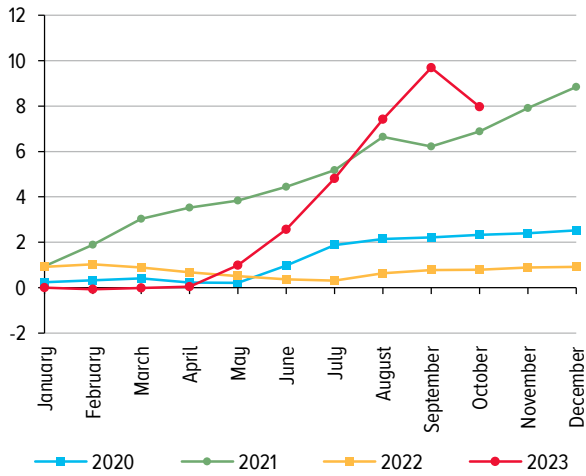
**TV AND RADIO GOODS PRICES**  
(% ON DECEMBER OF PREVIOUS YEAR)

Chart 24



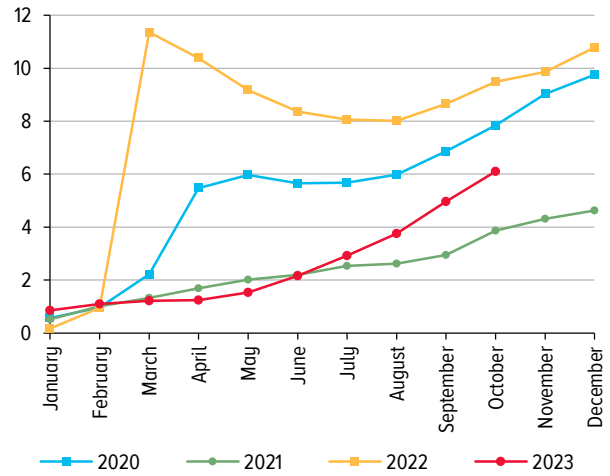
**MOTOR PETROL PRICES**  
(% ON DECEMBER OF PREVIOUS YEAR)

Chart 25



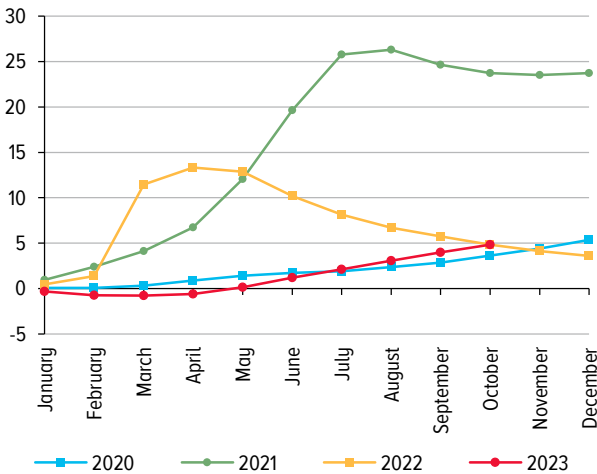
**MEDICINE PRICES**  
(% ON DECEMBER OF PREVIOUS YEAR)

Chart 26



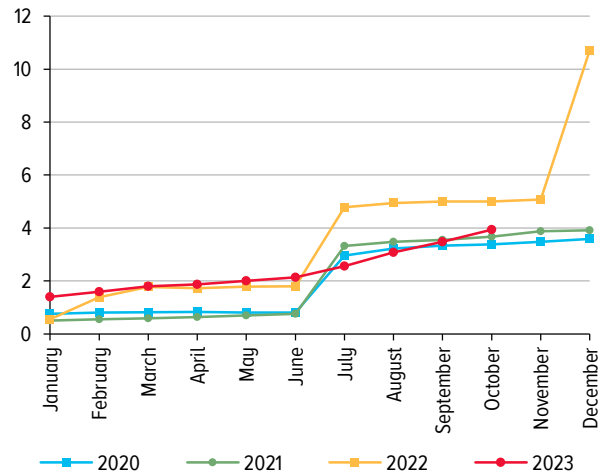
**CONSTRUCTION MATERIAL PRICES**  
(% ON DECEMBER OF PREVIOUS YEAR)

Chart 27



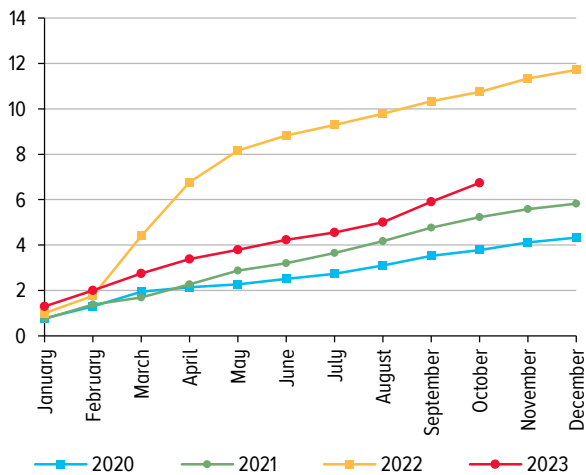
**HOUSING AND UTILITY SERVICES PRICES**  
(% ON DECEMBER OF PREVIOUS YEAR)

Chart 28



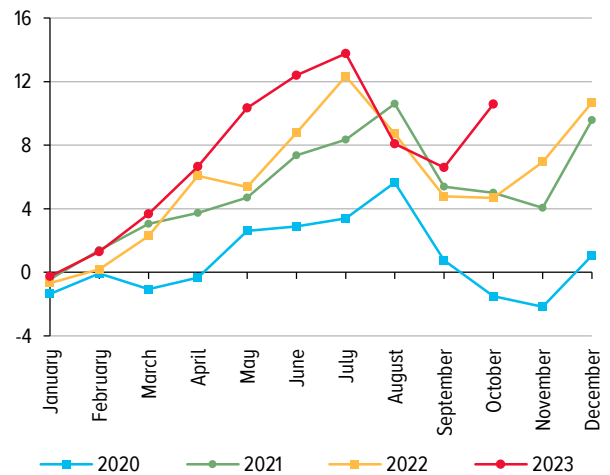
**MEDICAL SERVICES PRICES**  
(% ON DECEMBER OF PREVIOUS YEAR)

Chart 29



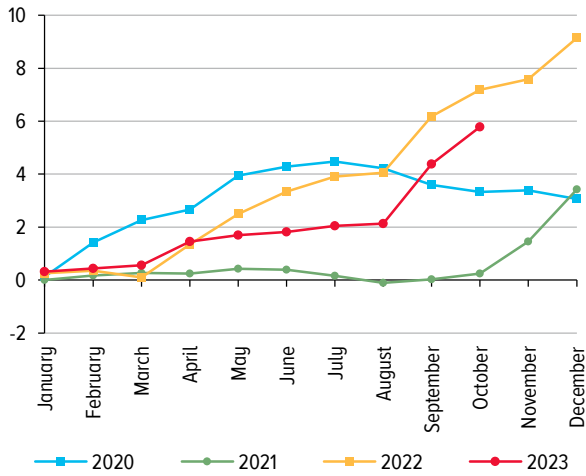
**PASSENGER TRANSPORT PRICES**  
(% ON DECEMBER OF PREVIOUS YEAR)

Chart 30



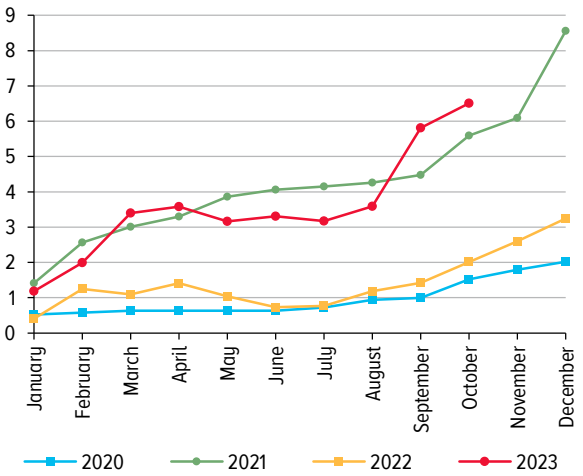
TELECOMMUNICATIONS PRICES  
(% ON DECEMBER OF PREVIOUS YEAR)

Chart 31



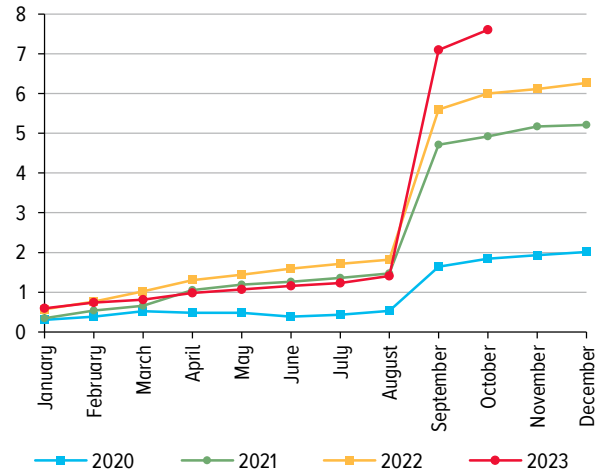
CULTURAL SERVICES PRICES  
(% ON DECEMBER OF PREVIOUS YEAR)

Chart 32



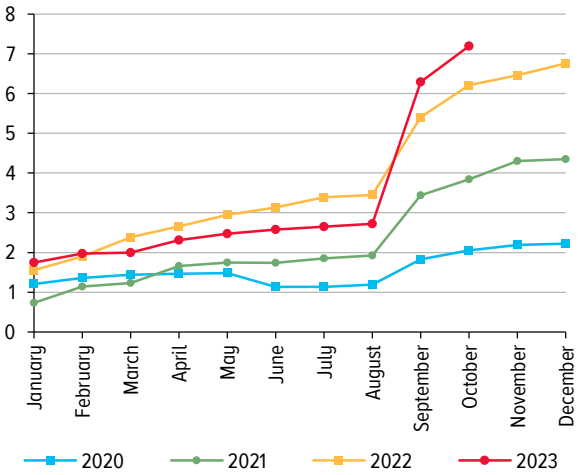
EDUCATION SERVICES PRICES  
(% ON DECEMBER OF PREVIOUS YEAR)

Chart 33



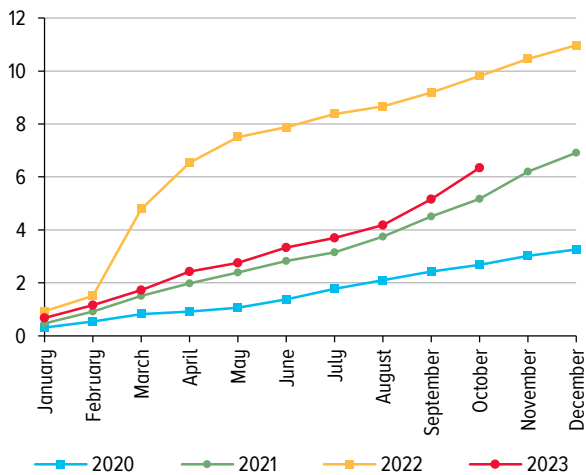
NURSERY EDUCATION PRICES  
(% ON DECEMBER OF PREVIOUS YEAR)

Chart 34



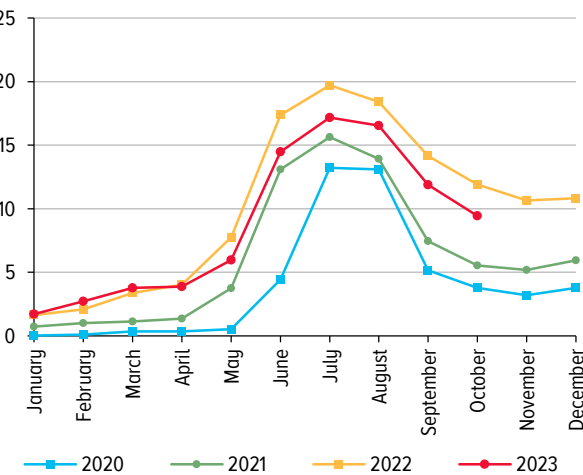
PERSONAL SERVICES PRICES  
(% ON DECEMBER OF PREVIOUS YEAR)

Chart 35



HEALTH RESORT SERVICES PRICES  
(% ON DECEMBER OF PREVIOUS YEAR)

Chart 36



The data cut-off date – 13.11.2023.

The electronic version of the [information and analytical commentary](#) is available on the Bank of Russia website.

Please send your comments and suggestions to [svc\\_analysis@cbr.ru](mailto:svc_analysis@cbr.ru).

This commentary was prepared by the Monetary Policy Department.

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