





MONTHLY BULLETIN

AGENCE FRANCE TRÉSOR IS TASKED WITH MANAGING THE GOVERNMENT DEBT AND CASH POSITIONS UNDER THE MOST SECURE CONDITIONS IN THE INTEREST OF THE TAXPAYER.

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News at Agence France Trésor

INFLATION-LINKED OATS

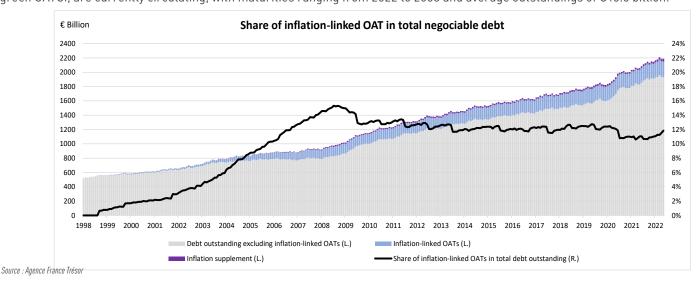
Agence France Trésor has issued inflation-linked bonds since 1998. An inflation-linked bond is a debt security with a remuneration that depends on either on the French inflation rate (INSEE) or the euro zone inflation rate (Eurostat). The principal of the bond, to be repaid at maturity and on which an annual coupon is paid, varies each year with realized inflation, and is called «indexed». The difference between the initial principal and the indexed principal is called the indexation supplement.

In return for indexing the principal to inflation, the interest rate on an indexed bond (called the «real yield») is lower than that on a non-indexed bond of the same maturity. The difference between the yields of the two types of bonds is called the break-even inflation rate and gives an indication of investors' inflation expectations. If the 10-year break-even inflation rate is, for example, 2%, an investor who believes that average inflation over the next 10 years will be higher than 2% will prefer to invest in the indexed bond. If, on the other hand, the investor believes that the average inflation over the next 10 years will be less than 2%, he will prefer to invest in the non-indexed (or «nominal») bond. Break-even inflation rates vary daily, depending on the market.

Issuing inflation-linked securities allows the government to diversify its investor base, which in the long run strengthens the security conditions of its financing in the best interest of the taxpayer. Some investors that offer products which vary partly with inflation (for example banks whose remuneration varies partly with inflation, such as regulated savings account) seek assets to cover this risk. Governments whose main revenues increase with inflation - such as France's value-added tax (VAT) revenues - can reduce the inflation exposure of their public balance by issuing inflation-indexed securities. This is due to the fact that the cost of indexed debt decreases, while revenues increase with inflation.

Since 2009, AFT has issued approximately 10% of its annual OAT financing program in linked bonds, with the precise level depending on investor demand. This commitment ensures the liquidity of securities in this segment. At the end of May 2022, inflation-linked bonds (including the indexation supplement) accounted for 11.9% of total negotiable debt outstanding, with 8.5% of OATs indexed to eurozone inflation (OATE) and 3.4% of OATs indexed to French inflation (OATI).

AFT launched its first OATi (indexed to French inflation) in 1998 with a 10-year issue. Currently, six OATi with maturities ranging from 2023 to 2036 and reaching an average outstanding amount of €10 billion are in circulation. The first OAT€i (indexed to European inflation) was launched in 2001. In order to meet the demand of the larger investor base for these products, 13 OAT€i, including a green OAT€i, are currently circulating, with maturities ranging from 2022 to 2053 and average outstandings of €15.5 billion.



Coupon of at least 0.1% on inflation-linked OATs. All securities launched since 2015, in an environment of negative real rates, therefore have a coupon of 0.1%.

LABOUR MARKET RECOVERY STILL INCOMPLETE, BUT HEADING FOR TIGHTNESS

Dev Ashish and Kunal Kundu, Economists at Société Générale, published on 15 June 2022

Labour market recovery: what the key matrices say

While GDP in most economies bounced back to pre-Covid-crisis levels within a few quarters, the pace of labour market recovery varied and, depending on which criterion you look at, the recovery remains somewhat incomplete. Three important though imperfect gauges of labour market recovery are employment numbers, the headline unemployment rate and the labour force participation rate (LFPR). The improvement in unemployment rate is linked to changes in employment and LFPR.

Unemployment rate back to pre-crisis levels in most economies

In the advanced economies (AE), the unemployment rate in 1Q22 was close to the pre-crisis rate in the US, UK, Japan and Germany. The unemployment rates in Italy, France and Spain are now lower than the pre-crisis rates, suggesting labour market improvement in these economies continued the pre-crisis trajectories. The same can be said about some economies in Asia-Pacific (Australia) and some emerging markets (Brazil). The unemployment rate remains higher in China (possibly due to the recent pandemic wave) and Poland, while it has tightened considerably in South Korea and Mexico.

Pace of recovery in LFPR is varied

The recovery in the unemployment rate has been a direct function of i) growth in economic activity and the intensity of hiring (with respect to growth and depending on which sectors are driving growth) – both of which affect employment gains – and ii) the change in the LFPR. In most economies (AE or EM), the LFPR is still below the pre-pandemic rate. Of course, since early 2020 the biggest factor in determining the LFPR has been the frequent waves of COVID. We discuss below some of other key factors affecting LFPR (and the employment rate) during the crisis and recovery periods. In many countries, a weaker recovery in the LFPR also caused the unemployment rate to be relatively tighter than what the change in employment alone would suggest.

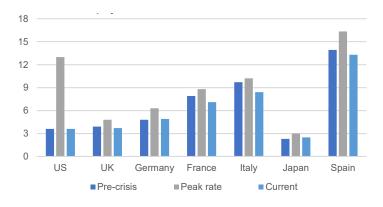
Regional disparity in LFPR recovery: Europe vs the US

The contrast in quality of post-pandemic LFPR recovery between the AEs and the EMs makes for interesting reading. In general, LFPR recovery has been faster in high-income countries. These countries accounted for about half of the global decline in unemployment between 2020 and 2022 but constitute only around a fifth of the global labour force. By contrast, since the onset of the pandemic, lower-middle-income countries have fared quite poorly. In general, as the economy opens up and fiscal stimulus is withdrawn, workers start returning to the workforce in economies with high share of informal workers; however, the recovery in LFPR is generally unrelated to the quantity of fiscal support on offer. In fact, in these countries, the pandemic has deepened various forms of inequality, including increasing reliance on informal self-employment and a rising trend of temporary work.

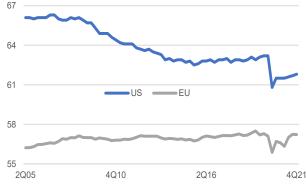
Europe has recovered faster than the US (UK and Germany are the major exceptions), mainly because of the qualitative difference in their fiscal intervention during the pandemic. The United States has been experiencing the so-called Great Resignation — a significant fall in the number of people willing to accept jobs, at least at pre-COVID wages – after fiscal support was withdrawn. While fewer Americans are employed than on the eve of the pandemic, the rate at which workers are quitting their jobs has left employers struggling to find workers, leading to labour market tightening and thus wage increases. One reason could be that while the US's fiscal intervention policy did make effort to help businesses stay afloat and retain their labour forces, the focus was helping displaced workers through enhanced unemployment benefits.

We expect LFPR recovery in the US to continue and reach the pre-pandemic level before it resumes its long-term trend. On the other hand, Europe focused more on job retention schemes that intended to keep people on employer payrolls even if they weren't working at the moment. Hence, economic reopening and the withdrawal of official support led to faster improvement in the LFPR in Europe, which virtually returned to its pre-pandemic level by 2021, albeit with regional differences.

Chart 1: Unemployment rate in advanced economies in %



<u>Chart 2 : Quaterly labour force participation rate (LFPR)</u> trend in advanced economies



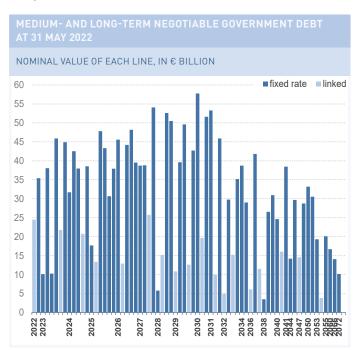
Sources: national sources, OECD, Datastream, SG Cross Asset Research.

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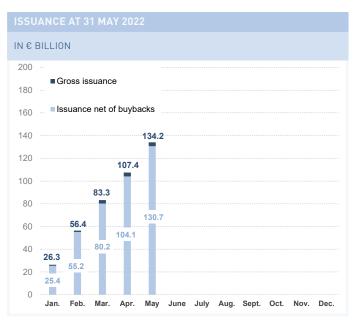
INDICATIVE AUCTION	N SCHEDULE								
		Short-term			Medium-term	Long-term	Index-linked		
July 2022	auction date	4	11	18	25	1	21	7	21
	settlement date	6	13	20	27	1	25	11	25
August 2022	auction date	1	8	16	22	29	18	4	18
	settlement date	3	10	18	24	31	22	8	22

anticipated or delayed (bank holidays, etc.)

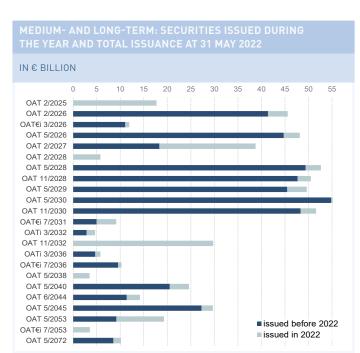
Source: Agence France Trésor



Source: Agence France Trésor



Source: Agence France Trésor



Source: Agence France Trésor

MEDIUM- AND LONG-TERM: PROVISIONAL MATURITY SCHEDULE AT 31 MAY 2022

IN € BILLION

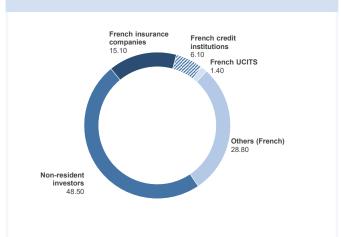
Month	Coupon	Redemption
Jun-22	0.6	
Jul-22	2.6	24.6
Aug-22		
Sep-22		
Oct-22	9.1	35.4
Nov-22	1.5	
Dec-22		
Jan-23		
Feb-23	0.0	10.1
Mar-23	0.1	38.0
Apr-23	9.2	10.3
May-23	9.3	45.9

Source: Agence France Trésor



NEGOTIABLE GOVERNMENT DEBT BY GROUP OF HOLDERS IN FIRST QUARTER OF 2022

STRUCTURE IN % EXPRESSED IN MARKET VALUE



Source: Banque de France

(*) figures quarterly revised (**) figures annually revised Source: Banque de France

NEGOTIABLE GOVERNMENT DEBT AT 31 MAY 2022

IN EUROS

Average maturity	8 years and 213 day
Total outstanding	2,188,749,632,63
Average maturity	110 da
Total short-term debt	143,005,000,0
Average maturity	9 years and 59 da
Total stripping activity	57,378,571,20
Total medium- and long-term debt	2,045,744,632,63

Source: Agence France Trésor

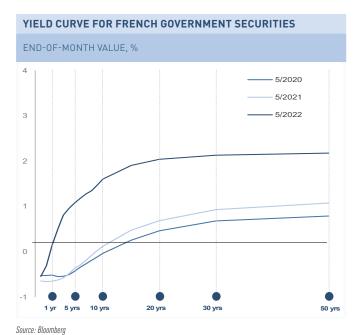
NEGOTIABLE GOVERNMENT DEBT SINCE 2019 AT 31 MAY 2022

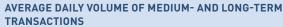
IN € BILLION

	End 2019	End 2020	End 2021	End April 2022	End May 2022
Negotiable government debt outstanding	1,823	2,001	2,145	2,189	2,189
of which index-linked securities	226	220	236	252	259
Medium- and long-term	1,716	1,839	1,990	2,042	2,046
Short-term	107	162	155	147	143
Average maturity of the negotiable debt					
	8 years	8 years	8 years	8 years	8 years
	63 days	73 days	153 days	191 days	213 days

Source: Agence France Trésor









Source: reporting by primary dealers in government securities, excluding flows arising from the Eurosystem public sector purchase programme





Source: Euroclear



Source: reporting by primary dealers in government securities



SHORT-TERM DEBT AT 31 MAY 2022

ISIN Code	Maturity	Outstanding(€)
FR0126893686	BTF 1 June 2022	3,335,000,000
FR0127034645	BTF 9 June 2022	6,558,000,000
FR0126750803	BTF 15 June 2022	6,988,000,000
FR0127034652	BTF 22 June 2022	6,079,000,000
FR0127034660	BTF 29 June 2022	6,260,000,000
FR0127176404	BTF 6 July 2022	6,727,000,000
FR0126893561	BTF 13 July 2022	6,455,000,000
FR0127176412	BTF 20 July 2022	6,806,000,000
FR0127034678	BTF 27 July 2022	6,552,000,000
FR0127176420	BTF 3 August 2022	6,188,000,000
FR0126893579	BTF 10 August 2022	6,805,000,000
FR0127176438	BTF 17 August 2022	6,537,000,000
FR0127034686	BTF 24 August 2022	4,969,000,000
FR0126893587	BTF 7 September 2022	7,599,000,000
FR0127176461	BTF 21 September 2022	4,893,000,000
FR0126893694	BTF 5 October 2022	7,026,000,000
FR0127176487	BTF 19 October 2022	4,259,000,000
FR0126893702	BTF 2 November 2022	6,430,000,000
FR0126893710	BTF 30 November 2022	2,651,000,000
FR0127034694	BTF 4 January 2023	7,040,000,000
FR0127034702	BTF 25 January 2023	5,965,000,000
FR0127034710	BTF 22 February 2023	6,050,000,000
FR0127034728	BTF 22 March 2023	4,975,000,000
FR0127176370	BTF 19 April 2023	4,851,000,000
FR0127176388	BTF 17 May 2023	1,007,000,000

MEDIUM- AND LONG-TERM DEBT (MATURING 2022-2025) AT 31 MAY 2022

ISIN Code	Bond	Outstanding(€)	Ind. Coeff.	Face value(€)	Stripped(€)	CAC*
	Maturity 2022	59,930,116,740				
FR0010899765	OAT€i 1.10% 25 July 2022	24,510,116,740 (1)	1.23458	19,853,000,000	0	
FR0011337880	OAT 2.25% 25 October 2022	35,420,000,000			0	
	Maturity 2023	170,963,831,423				
FR0013479102	OAT 0.00% 25 February 2023	10,109,000,000			0	×
FR0013283686	OAT 0.00% 25 March 2023	38,043,500,000			0	×
FR0000571085	OAT 8.50% 25 April 2023	10,263,695,903			5,204,165,200	
FR0011486067	OAT 1.75% 25 May 2023	45,891,000,000			0	×
FR0010585901	OATi 2.10% 25 July 2023	21,738,635,520 (1)	1.20449	18,048,000,000	0	
FR0010466938	OAT 4.25% 25 October 2023	44,918,000,000			448,985,000	
	Maturity 2024	171,409,693,470				
R0014001N46	OAT 0.00% 25 February 2024	31,676,000,000			0	×
FR0013344751	OAT 0.00% 25 March 2024	42,533,000,000			0	×
R0011619436	OAT 2.25% 25 May 2024	37,948,000,000			0	×
FR0011427848	OAT€i 0.25% 25 July 2024	20,716,693,470 (1)	1.15613	17,919,000,000	0	×
FR0011962398	OAT 1.75% 25 November 2024	38,536,000,000			42,000,000	×
	Maturity 2025	190,748,116,938				
FR0014007TY9	OAT 0.00% 25 February 2025	17,701,000,000			0	×
FR0012558310	OATi 0.10% 1 March 2025	13,326,188,820 (1)	1.09789	12,138,000,000	0	×
FR0013415627	OAT 0.00% 25 March 2025	47,814,000,000			0	×
FR0012517027	OAT 0.50% 25 May 2025	43,331,000,000			0	×
FR0000571150	OAT 6.00% 25 October 2025	30,653,928,118			2,804,564,400	
FR0012938116	OAT 1.00% 25 November 2025	37,922,000,000			0	×

⁽¹⁾ face value x indexation coefficient (face value if coefficient < 1)

^{*} Like all euro area bonds, the bonds issued after 1 March 2013 have collective action clauses [CACs], which means that they are not fungible with bonds issued prior to this date.



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MEDIUM- AND LONG-TERM DEBT (MATURING IN 2026 AND BEYOND) AT 31 MAY 2022

SIN Code	Bond	Outstanding(€)	Ind. Coeff.	Face value(€)	Stripped(€)	CAC
	Maturity 2026	190,392,454,000				
FR0013508470	OAT 0.00% 25 February 2026	45,590,000,000			0	×
R0013519253	OAT€i 0.10% 1 March 2026	12,907,454,000 (1)	1.08466	11,900,000,000	0	×
R0010916924	OAT 3.50% 25 April 2026	44,202,000,000			0	
R0013131877	OAT 0.50% 25 May 2026	48,166,000,000			0	×
R0013200813	OAT 0.25% 25 November 2026	39,527,000,000			0	×
	Maturity 2027	157,404,102,400				
R0014003513	OAT 0.00% 25 February 2027	38,747,000,000			0	×
R0013250560	OAT 1.00% 25 May 2027	38,814,000,000			0	×
R0011008705	OAT€i 1.85% 25 July 2027	25,744,102,400 (1)	1.21664	21,160,000,000	0	
R0011317783	OAT 2.75% 25 October 2027	54,099,000,000			61,743,600	
	Maturity 2028	124,121,421,031				
R0013238268	OATi 0.10% 1 March 2028	15,178,238,880 (1)	1.09606	13,848,000,000	0	×
R0000571226	OAT zero coupon 28 March 2028	33,182,151 (2)		46,232,603	_	
R001400AIN5	OAT 0.75% 25 February 2028	5,778,000,000		.0,202,000	0	×
FR0013286192	OAT 0.75% 25 May 2028	52,627,000,000			0	×
FR0013341682	OAT 0.75% 25 November 2028	50,505,000,000			0	×
10013341002	Maturity 2029	155,392,359,187			0	^
TD0040440FF0			4.00540	0.007.000.000	0	
FR0013410552	OAT 5 50% 25 April 2029	10,841,173,800 (1)	1.09540	9,897,000,000	0	×
R0000571218	OAT 5.50% 25 April 2029	39,618,880,458			2,347,946,100	
R0013407236	OAT 0.50% 25 May 2029	49,620,000,000			0	×
FR0000186413	OATi 3.40% 25 July 2029	12,612,304,929 (1)	1.37312	9,185,144,000	0	
FR0013451507	OAT 0.00% 25 November 2029	42,700,000,000			0	×
	Maturity 2030	129,021,536,960				
R0011883966	OAT 2.50% 25 May 2030	57,749,000,000			0	×
R0011982776	OAT€i 0.70% 25 July 2030	19,666,536,960 (1)	1.14128	17,232,000,000	0	×
R0013516549	OAT 0.00% 25 November 2030	51,606,000,000			0	×
	Maturity 2031	109,099,843,450				
FR0012993103	OAT 1.50% 25 May 2031	53,267,000,000			58,900,000	×
FR0014001N38	OAT€i 0.10% 25 July 2031	9,936,843,450 (1)	1.08635	9,147,000,000	0	×
FR0014002WK3	OAT 0.00% 25 November 2031	45,896,000,000			0	×
	Maturity 2032	85,076,890,170				
FR0014003N51	OATi 0.10% 1 March 2032	4,914,157,650 (1)	1.05341	4,665,000,000	0	×
FR0014007L00	OAT 0.00% 25 May 2032	29,751,000,000			0	×
FR0000188799	OAT€i 3.15% 25 July 2032	15,219,409,920 (1)	1.40712	10,816,000,000	0	
FR0000187635	OAT 5.75% 25 October 2032	35,192,322,600		. 0,0 . 0,000,000	10,590,157,400	
10000107000	Maturity in 2033 and beyond	502,184,266,870			10,000,107,400	
FR0013313582	OAT 1.25% 25 May 2034	38,746,000,000			0	×
	•				2,763,237,000	^
FR0010070060	OAT 4.75% 25 April 2035	29,004,000,000	4.05000	5 000 000 000		
FR0013524014	OAT 4.05% 05 March 2036	6,094,304,760 (1)	1.05038	5,802,000,000	0	×
FR0013154044	OAT 1.25% 25 May 2036	41,823,000,000		40.00	0	×
FR0013327491	OAT€i 0.10% 25 July 2036	11,489,624,240 (1)	1.11941	10,264,000,000	0	×
FR0014009O62	OAT 1.25% 25 May 2038	3,466,000,000			0	×
FR0010371401	OAT 4.00% 25 October 2038	26,534,000,000			4,652,641,400	
FR0013234333	OAT 1.75% 25 June 2039	30,941,000,000			0	×
FR0013515806	OAT 0.50% 25 May 2040	24,600,000,000			0	×
FR0010447367	OAT€i 1.80% 25 July 2040	16,006,243,200 (1)	1.30344	12,280,000,000	0	
FR0010773192	OAT 4.50% 25 April 2041	38,446,000,000			4,719,499,000	
FR0014002JM6	OAT 0.50% 25 June 2044	14,186,000,000			0	×
R0011461037	OAT 3.25% 25 May 2045	29,702,000,000			723,510,000	×
FR0013209871	OAT€i 0.10% 25 July 2047	14,538,256,110 (1)	1.13589	12,799,000,000	0	×
FR0013257524	OAT 2.00% 25 May 2048	28,759,000,000		,. 50,000,000	669,300,000	×
FR0013404969	OAT 2.50% 25 May 2040	33,195,000,000			200,900,000	×
	·					×
FR0013480613	OAT 0.75% 25 May 2052	30,529,000,000			682,100,000	
FR0014004J31	OAT 0.75% 25 May 2053	19,293,000,000	4.00004	0.554.000.000	183,000,000	×
FR0014008181	OAT€i 0.10% 25 July 2053	3,790,838,560 (1)	1.06664	3,554,000,000	0	×
FR0010171975	OAT 4.00% 25 April 2055	20,118,000,000			11,148,818,000	
FR0010870956	OAT 4.00% 25 April 2060	16,696,000,000			8,786,204,100	
FR0013154028	OAT 1.75% 25 May 2066	14,075,000,000			1,199,700,000	×
					91,200,000	×

(1) Face value x indexation coefficient (face value if coefficient < 1)

(2) Revised on 28 March 2021; not open to subscription

^{*} Like all euro area bonds, the bonds issued after 1 March 2013 have collective action clauses (CACs), which means that they are not fungible with bonds issued prior to this date.



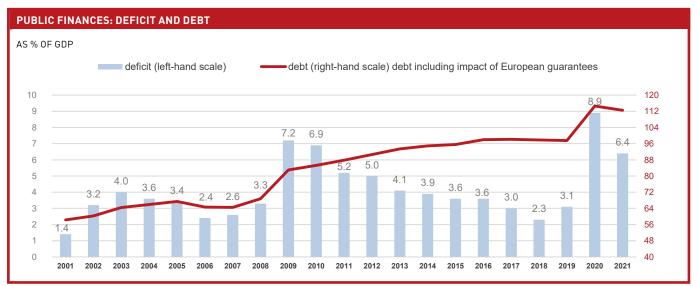
MOST RECENT ECONOMIC INDICATORS				
Industrial output, year-on-year	0.6%	Apr. 2022		
Household consumption*, year-on-year	-2.8%	May. 2022		
Unemployment rate (ILO)	7.3%	Q1-2022		
Consumer prices, year-on-year				
• all items	5.2%	May. 2022		
all items excluding tobacco	5.3%	May. 2022		
Trade balance, fob-fob, sa (€bn)	-€12.2bn	Apr. 2022		
" "	-€12.6bn	Mar. 2022		
Current account balance, sa (€bn)	-€3.4bn	Apr. 2022		
	-€3.4bn	Mar. 2022		
10-year constant maturity rate (TEC10)	1.99%	30 Jun. 2022		
3-month interest rate (Euribor)	-0.21%	30 Jun. 2022		
EUR / USD	1.04	30 Jun. 2022		
EUR / JPY	142.29	30 Jun. 2022		

MONTHLY GOVERNMENT	T BUDGE	T POSIT	ION			
IN € BILLION						
			end of April level			
	2020	2021	2020	2021	2022	
General budget balance	-172.68	-171.52	-69.67	-77.23	-51.07	
Revenue	282.69	324.95	80.06	86.24	104.01	
Expenditure	455.37	496.47	149.73	163.48	155.08	
Balance of special Treasury accounts	-5.42	0.79	-22.46	-14.13	-16.25	
General budget outturn	-178.07	-170.73	-92.12	-91.37	-67.32	

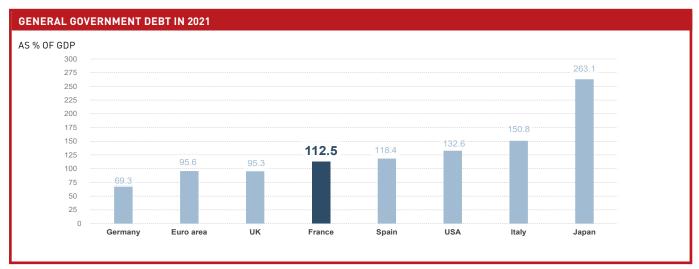
* manufactured products

Sources: Insee, MEFSIN, Banque de France

Source: Ministry of the Economy, Finance and Industrial and Digital Sovereignty



Source: Insee



Sources: Eurostat, IMF, Insee



JULY 2022

Inflation (HICP):
June index
(prelimenary

results)

Industrial production: May index

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Foreign trade by value in May

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Balance of payments in May

13 Consumer prices: June index (final)

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Inflation (HICP):
June index (final)

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Household
consumption
expenditure on
goods in June

29
Consumer
prices: July index
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results)

29 Inflation (HICP): July index (prelimenary results)

AUGUST 2022

5 Balance of payments in June

Flash estimate of payroll employment Q2

5 Foreign trade by value in June

Industrial production: June index

12 Net international reserves in July 12 ILO unemployment rate Q2

12
Consumer prices:
July index (final)

18
Inflation (HICP):
July index (final)

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Monthly business
survey (goodsproducing
industries) in
August

26 Consumer confidence survey: August survey 31 Quarterly national accounts: final estimate Q2

31 Consumer prices: August index (preliminary results)

31
Household
consumption
expenditure on
goods in July

31 Inflation (HICP): August index (prelimenary results) 31
Industrial producer
and import price
in July

Sources: Insee, Eurostat

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