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EDITORIAL

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CENTRAL BANKS: THE NEED AND COURAGE TO ACT

Elevated inflation, if left unaddressed, could cause a de-anchoring of inflation expectations, an increase in risk premia, greater price distortion and hence longer-term costs for the economy. Although at first glance, central banks face a dilemma – hiking interest rates to lower inflation at the risk of causing an increase in unemployment or focusing on the labour market and accepting the risk that inflation stays high for longer –, they can only choose between acting swiftly or face an even bigger challenge later to bring inflation back under control. Recent statements by officials of the Federal Reserve, the ECB and the Bank of England acknowledge the need to act but their decisions and guidance are very different and reflect the differences in the macro environment.

In 2015, former Federal Reserve chair Ben Bernanke published 'The courage to act: a memoir of a crisis and its aftermath'. The title springs to mind when watching the recent press conferences of Fed chair Jerome Powell and Bank of England governor Andrew Bailey¹ as well as reading a recent speech of Banque de France governor François Villeroy de Galhau².

Bernanke's book provides great insight into the global financial crisis of 2008-2009, its causes, consequences and the policy action it necessitated. Today, the crisis is about elevated inflation and the longer-term cost it would entail if left unaddressed. There is clearly a need to act but it takes courage, considering that, firstly, part of the jump in prices is caused by a negative supply shock, which acts as a headwind to demand and, secondly, monetary tightening will slow down growth and may even cause an increase in the unemployment rate.

In this respect, A. Bailey was particularly clear. Although the unemployment rate in the UK is expected to decline further in the nearterm, to 3.6% in the second quarter, it is projected to reach 5.5% in three years' time given the sharp slowdown in activity, to which monetary tightening will have contributed. J. Powell acknowledged that *"there may be some pain associated with getting back to that [i.e. bringing inflation back to target]"*³. This looks like a highly uncomfortable dilemma, but, according to the central bankers, the way to react is clear. *"The big pain is in not dealing over time, is in not dealing with inflation, and allowing it to become entrenched."*⁴ A similar point was made by F. Villeroy de Galhau: "entrenched inflation would mean less confidence, higher risk premia, and greater price distortion, hence less long-term growth."

Although the three central banks have a shared objective – bringing inflation under control –, markets expect their respective journeys to be very different (chart 1). This is a reflection of differences in terms of guidance and macro environment. Quoting A. Bailey, "the United States is facing what looks like a demand shock..., the euro area by contrast is facing a supply cost shock... and in the UK we're seeing elements

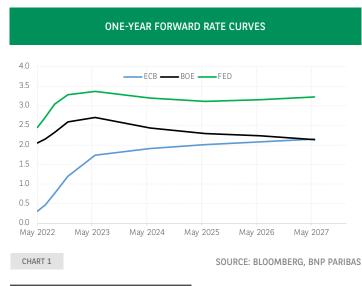
1. Both press conferences can be watched on YouTube.

- 2. François Villeroy de Galhau, The Eurosystem and its monetary policy: from an
- "impossible dilemma" to a possible roadmap for normalization, Paris, 6 May 2022.
- 3. Federal Reserve, Transcript of Chair Powell's Press Conference, 4 May 2022.
- 4. The quote is from J. Powell.

of both, like the euro area we're experiencing a sharp terms of trade shock... but our strong labour market is more akin to that in the US."

In the US, global supply shocks, strong demand and a very tight labour market force the Federal Reserve to tighten '*expeditiously*'⁵. After the 50bp rate hike at its May meeting, similar increases should follow at the next couple of meetings. Moreover, the reduction of the size of the balance sheet will start in June, although the economic effect is hard to assess with any precision.

In the euro area, the approach will be far more gradual. Compared to the US, the supply shocks play a bigger role, it is more exposed to geopolitical uncertainty caused by the war in Ukraine, wage growth is slower and the labour market is under less pressure than in the US. Based on recent statements of several ECB governing council members, a July hike of the deposit rate looks increasingly likely and more increases should follow.⁶



5. The quote is from J. Powell.

6. In his speech, F. Villeroy de Galhau considered it reasonable, barring unforeseen new shocks, for the deposit rate to have entered positive territory by the end of this year.

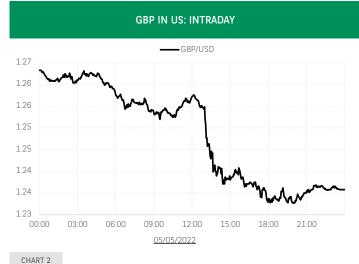
The Federal Reserve, the ECB and the Bank of England have a shared objective of bringing inflation under control but also of convincing markets of their decisiveness to act.





Finally, in the UK, more bank rate increases are expected given high and rising inflation – the Bank of England projects average inflation in the fourth quarter this year to peak at 10% –, a very low unemployment rate and accelerating wage growth. Nevertheless, the monetary policy committee members disagree on what this implies in terms of policy, with three of them advocating a 50bp increase rather than the 25bp rate hike decision. Sterling weakened on the news (chart 2), reflecting lingering doubts amongst investors of how much growth risk the Bank of England is willing to take when tightening policy. The ECB's governing council is facing a similar debate. Clearly, the need to convince markets about their decisiveness is another objective that central banks have in common.

William De Vijlder





MARKETS OVERVIEW

OVERVIEW

Week 29-4 22 to 6	6-5-22			
SAC 40	6 534	▶ 6 258	-4.2	%
S&P 500	4 132	▶ 4 123	-0.2	%
🔰 Volatility (VIX)	33.4	▶ 30.2	-3.2	pb
⊅ Euribor 3M (%)	-0.43	▶ -0.43	+0.3	bp
⊅ Libor \$ 3M (%)	1.33	▶ 1.40	+6.7	bp
7 OAT 10y (%)	1.29	▶ 1.53	+24.2	bp
⊅ Bund 10y (%)	0.90	▶ 1.14	+23.7	bp
⊅ US Tr. 10y (%)	2.89	▶ 3.13	+23.9	bp
⊅ Euro vs dollar	1.05	▶ 1.06	+0.3	%
🔰 Gold (ounce, \$)	1 908	▶ 1 886	-1.2	%
⊅ Oil (Brent, \$)	107.8	▶ 112.6	+4.4	%

Interest Rates		hig	hest	22	lov	west	22		Yield
€ECB	0.00	0.00	at	03/01	0.00	at	03/01		€ AVG
Eonia	-0.51	-0.51	at	03/01	-0.51	at	03/01		Bun
Euribor 3M	-0.43	-0.42	at	25/04	-0.58	at	05/01		Bun
Euribor 12M	0.25	0.25	at	05/05	-0.50	at	05/01		OAT
\$ FED	1.00	1.00	at	05/05	0.25	at	03/01		Cor
Libor 3M	1.40	1.41	at	04/05	0.21	at	03/01		\$ Trea
Libor 12M	2.69	2.75	at	04/05	0.58	at	03/01		Trea
£ BoE	1.00	1.00	at	05/05	0.25	at	03/01		Hig
Libor 3M	1.23	1.30	at	04/05	0.26	at	03/01		-
Libor 12M	0.81	0.81	at	03/01	0.81	at	03/01		£ gilt.
At 6-5-22	-							-	gilt
									At 6-5

MONEY & BOND MARKETS

22 1	rield (%)		high	lest 22	low	est 22
03/01 €	E AVG 5-7y	1.38	1.38	at 06/05	-0.04	at 03/01
03/01	Bund 2y	0.33	0.33	at 06/05	-0.83	at 04/03
05/01	Bund 10y	1.14	1.14	at 06/05	-0.14	at 24/01
05/01	OAT 10y	1.53	1.53	at 06/05	0.15	at 04/01
03/01	Corp. BBB	2.93	2.93	at 06/05	0.90	at 05/01
03/01	S Treas. 2y	2.66	2.69	at 05/05	0.70	at 04/01
03/01	Treas. 10y	3.13	3.13	at 06/05	1.63	at 03/01
03/01 03/01	High Yield	7.42	7.42	at 06/05	5.07	at 03/01
	gilt. 2y	1.54	1.80	at 21/04	0.69	at 03/01
05/01	gilt. 10y	1.98	2.01	at 21/04	0.97	at 03/01
A	At 6-5-22					

EXCHANGE RATES

1€ =		high	est 22	low	est	22	2022
USD	1.06	1.15	at 10/02	1.05	at	28/04	-6.9%
GBP	0.86	0.86	at 06/05	0.83	at	14/04	+2.0%
CHF	1.04	1.06	at 10/02	1.00	at	04/03	+0.6%
JPY	138.01	139.36	at 21/04	125.37	at	04/03	+5.4%
AUD	1.49	1.62	at 04/02	1.43	at	05/04	-4.7%
CNY	7.07	7.29	at 10/02	6.87	at	14/04	-2.4%
BRL	5.35	6.44	at 06/01	5.01	at	21/04	-15.5%
RUB	71.83	164.76	at 07/03	68.90	at	05/05	-15.8%
INR	81.42	85.96	at 11/02	80.30	at	05/05	-3.7%
At 6-5	-22						Change

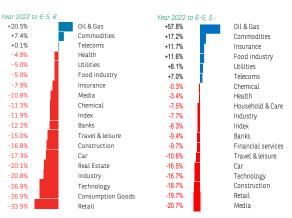
COMMODITIES

Spot price, \$		high	est	22	lov	vest	t 22	2022	2022(€)
Oil, Brent	112.6	128.2	at	08/03	79.0	at	03/01	+43.6%	+54.3%
Gold (ounce)	1 886	2 056	at	08/03	1 785	at	28/01	+3.5%	+11.2%
Metals, LMEX	4 594	5 506	at	07/03	4 489	at	06/01	+2.1%	+9.7%
Copper (ton)	9 411	10 702	at	04/03	9 406	at	03/05	-3.4%	+3.8%
wheat (ton)	408	4.2	at	07/03	281	at	14/01	+71.6%	+84.4%
Corn (ton)	306	3.1	at	29/04	226	at	03/01	+3.4%	+44.1%
At 6-5-22	-								Change

EQUITY INDICES

	Index	highest 22	lowest 22	2022
World				
MSCI World	2 762	3 248 at 04/01	2 762 at 06/05	-14.5%
North America				
S&P500	4 123	4 797 at 03/01	4 123 at 06/05	-13.5%
Europe				
EuroStoxx50	3 629	4 392 at 05/01	3 505 at 08/03	-15.6%
CAC 40	6 258	7 376 at 05/01	5963 at 08/03	-1.3%
DAX 30	13 674	16 272 at 05/01	12 832 at 08/03	-13.9%
IBEX 35	8 322	8 886 at 10/02	7 645 at 07/03	-0.4%
FTSE100	7 388	7 672 at 10/02	6959 at 07/03	+0.0%
Asia				
MSCI, loc.	1 0 9 2	1 165 at 05/01	1024 at 08/03	-0.4%
Nikkei	27 004	29 332 at 05/01	24 718 at 09/03	-6.2%
Emerging				
MSCI Emerging (\$)	1 0 3 2	1 267 at 12/01	1027 at 15/03	-1.6%
China	64	86 at 20/01	59 at 15/03	-22.3%
India	774	891 at 13/01	742 at 07/03	-5.2%
Brazil	1 568	2 003 at 04/04	1 372 at 06/01	-0.8%
At 6-5-22	_			Change

PERFORMANCE BY SECTOR (Eurostoxx50 & S&P500)



SOURCE: REFINITIV, BNP PARIBAS,

The bank for a changing world

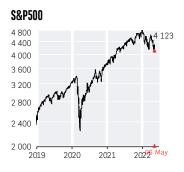


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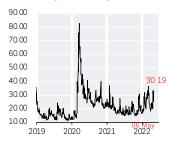
MARKETS OVERVIEW



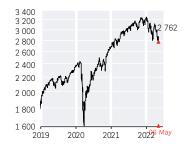




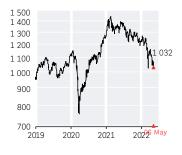
VOLATILITY (VIX, S&P500)



MSCI WORLD (USD)



MSCI EMERGING (USD)



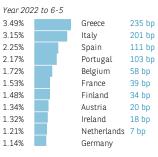
10Y BOND YIELD, TREASURIES VS BUND



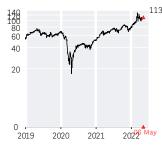




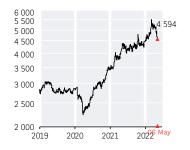
10Y BOND YIELD & SPREADS



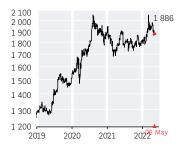




METALS (LMEX, USD)



GOLD (OUNCE, USD)



SOURCE: REFINITIV, BNP PARIBAS



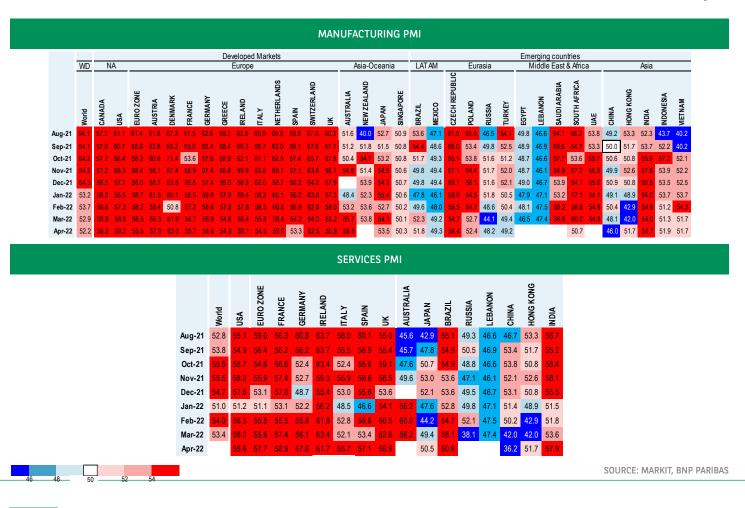


PMI: PRICE PRESSURES INTENSIFY FURTHER IN MANUFACTURING

The global manufacturing PMI edged lower in April. The US and the UK recorded a small increase but there was a big improvement in Australia, Russia and even more so in Hong Kong. The euro area saw a decline but amongst its countries divergences trends were noted with an increase in France and the Netherlands and a decline in Germany and Italy. In China, Covid-19 infections led to a drop in the PMI to 46.0. The services PMI saw a significant decline in the US and a large improvement in the euro area. These developments are the mirror image of what we saw in manufacturing. France and Germany had better data but sentiment jumped in Italy and Spain. Japan had a moderate improvement. Data were significantly better in Brazil. The opposite happened in the UK, whereas the services PMI in China registered a big drop, the consequence of lockdown measures to fight the increase in Covid-19 cases. The index saw a big jump in Hong Kong and India is also doing a lot better.

The employment PMI in manufacturing was a bit weaker in April at the global level. The US saw a decline and the euro area a slight improvement. France, Germany and the Netherlands did better whereas the employment outlook declined in Italy and Spain. The Chinese index declined but there was a considerable improvement in Indonesia and even more so in Vietnam. The assessment of nex export orders in manufacturing stabilised at the global level in April at a low level (48.2). There was a further improvement in the US, to a particularly high 56.4 level and a slight weakening in the euro are to 49.0. After the huge drop in March in France, the index rebounded somewhat. The Netherlands and Spain saw bigger improvements. German new exports orders slid further. UK export orders declined in April and Australia recorded a big decline. The downward trend continues in China. India export orders jumped in April after dropping in March. Manufacturing input prices moved higher again at the global level in April, with the US recording a big increase and a more moderate on in the euro area, where price pressures are more elevated (87.8 versus 81.9 in the US). Most euro area countries saw an increase in April, Greece being and in particular Ireland being exceptions. Input prices jumped in the UK. There was moderation in China and Vietnam and an increase in India and Indonesia. Manufacturing output price pressure increased in April and the index is at the highest level of the period under review, which starts in April last year. The US index jumped from 69.7 to 76.3 and in the euro area, a sizeable increase was also recorded. Most euro area countries had higher numbers than in March, with sizeable increases in Austria, Germany, Ireland and Italy. In the UK, the output price index skyrocketed and there was also a big increase in Japan. The index also rose in India. Concerning the delivery times -whereby a decline in the index number points towards longer delivery times- a significant lengthening could be noted at the global level in April. This was alo the case in the US, Germany and Ireland. Spain saw a significant shortening of delivery times. Vietnam saw a similar development. In China on the other hand, due to measures address the increase in Covid-19 cases, a dramatic lengthening of delivery times occurred. Finally, services input prices recorded a big increase in the US, Germany, Japan, Brazil, India and, to a lesser degree, the UK. The euro area saw some easing of price pressures, although they remain high.

William De Vijlder





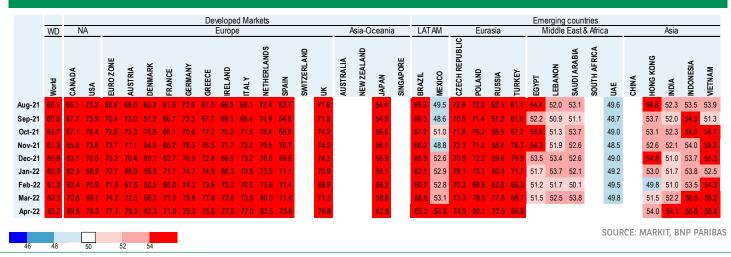
MANUFACTURING PMI - EMPLOYMENT

								[Develo	oped N	larket	S												Eme	erging	coun	tries					
	WD	Ν	A							Europ	e					Asia	-Ocea	ania	LAT	MA		Eur	asia		Mid	dle Ea	ast & A	frica		As	ia	
	World	CANADA	USA	EURO ZONE	AUSTRIA	DENMARK	FRANCE	GERMANY	GREECE	IRELAND	ТАЦҮ	NETHERLANDS	SPAIN	SWITZERLAND	UK	AUSTRALIA	NEW ZEALAND	JAPAN	BRAZIL	MEXICO	CZECH REPUBLIC	POLAND	RUSSIA	TURKEY	EGYPT	SAUDI ARABIA	SOUTH AFRICA	UAE	CHINA	INDIA	INDONESIA	VIETNAM
Aug-21	52.0	53.2	52.8	57.3	62.6	57.6	54.0	58.2	54.7	58.0	55.9	61.6	55.7	61.8	57.8	52.8	53.8	51.7	53.5	47.8	55.4	51.1	47.0	54.8	50.2	50.3	48.5	51.6	49.8	49.9	45.5	41.1
Sep-21	51.4	52.8	53.1	55.4	62.2	57.9	50.1	56.5	54.4	55.6	56.3	57.1	53.4	61.5	51.5	54.5	53.8	52.1	54.8	46.9	56.2	50.3	48.5	53.6	50.3	50.5	47.2	50.6	48.9	49.4	45.8	37.8
Oct-21	51.8	53.2	52.7	55.4	63.1	57.2	51.2	55.7	56.0	55.7	56.4	59.5	52.2	60.6	54.5	53.4	51.8	52.6	54.1	47.3	52.4	50.5	50.4	52.9	50.5	50.3	47.0	50.8	49.7	49.5	50.1	42.7
Nov-21	51.4	53.0	52.0	54.9	62.0	57.0	53.1	53.8	56.4	55.0	58.3	57.2	51.8	60.2	56.1	52.9	48.6	52.7	51.0	47.0	53.6	49.6	51.9	52.7	48.5	50.9	50.6	50.1	48.9	50.2	50.3	45.6
Dec-21	51.7	52.9	52.8	55.3	59.8	63.3	52.6	56.0	57.0	54.3	57.3	55.7	51.6	60.9	55.7	53.0	52.3	53.1	50.6	46.6	57.9	52.5	51.0	53.7	49.5	50.3	42.4	50.6	48.7	49.3	50.0	50.7
Jan-22	51.0	53.2	50.3	57.1	61.1	57.8	54.0	58.9	58.1	54.9	57.3	57.7	52.7	62.4	59.0	52.1	49.8	53.3	48.2	40.8	56.6	53.5	52.6	51.6	49.1	50.1	49.2	50.4	47.9	48.4	50.2	51.7
Feb-22	51.6	54.6	52.2	57.1	62.1	55.7	55.8	58.0	56.5	53.7	57.1	59.3	54.2	63.1	57.9	54.6	52.0	52.8	49.8	46.2	53.3	53.2	47.5	53.0	49.2	50.3	50.7	50.1	48.5	49.8	50.6	51.2
Mar-22	52.1	53.2	54.0	54.2	60.2	63.3	51.8	54.4	55.0	56.6	53.2	57.5	51.4	62.4	56.7	53.7	52.4	52.6	51.2	49.2	52.8	51.0	44.7	50.7	48.8	49.7	48.5	50.6	50.4	50.1	50.8	48.3
Apr-22	51.5	54.5	52.7	54.7	57.8	63.7	53.1	55.3	54.9	58.6	52.4	58.5	50.6	60.7	56.7	54.4		51.4	51.4	51.1	52.7	51.4	45.5	51.5			51.5		49.2	50.5	52.1	52.1
		10	50		52	54																										

MANUFACTURING PMI - NEW EXPORT ORDERS

									Dev	<i>r</i> elope	d Mai	kets														E	merg	ing co	untrie	s						
	WD	Ν	A							Europe	e					A	sia-O	ceania	a	LAT	ΓAM		Eur	asia			Mid	dle Ea	st & A	frica				Asia		
	World	CANADA	USA	EURO ZONE	AUSTRIA	DENMARK	FRANCE	GERMANY	GREECE	IRELAND	ПАЦУ	NETHERLANDS	SPAIN	SWITZERLAND	ž	AUSTRALIA	NEW ZEALAND	JAPAN	SINGAPORE	BRAZIL	MEXICO	CZECH REPUBLIC	POLAND	RUSSIA	TURKEY	EGYPT	ISRAEL	LEBANON	SAUDI ARABIA	SOUTH AFRICA	UAE	CHINA	HONG KONG	INDIA	INDONESIA	VIETNAM
Aug-21	51.0	54.3	52.8	59.1	55.3		53.9	61.0	56.4	59.3	60.3	64.7	55.1		54.5	45.1		49.3	51.3	49.7	46.5	57.3	53.3	40.2	56.1	50.4	48.7	48.2	52.3	49.8	49.2	48.0	49.5	50.6	34.6	37.2
Sep-21	51.0	53.8	54.9	55.8	57.8		50.5	56.3	56.7	55.1	58.6	59.6	54.7		49.7	51.9		50.5	51.2	48.9	45.2	54.4	49.1	45.2	54.9	46.3	52.2	48.1	52.8	49.0	52.6	47.7	49.1	51.5	44.5	27.4
Oct-21	50.6	55.6	50.4	55.4	54.3		50.3	56.2	56.2	51.7	60.9	57.0	52.3		49.5	46.1		50.3	51.0	48.1	45.0	49.8	49.2	44.4	53.9	44.4	48.9	48.3	54.8	44.9	51.2	48.1	48.9	52.7	49.6	51.5
Nov-21	51.3	53.7	51.0	54.9	51.3		52.2	54.2	56.0	51.6	60.7	56.1	54.1		49.0	54.6		52.8	50.9	50.5	44.5	52.1	48.5	50.1	51.6	50.7	44.5	45.7	56.2	48.5	51.6	49.9	47.9	51.7	48.6	51.9
Dec-21	51.3	53.9	51.0	54.1	52.9		52.7	53.0	54.9	51.5	60.0	55.0	52.1		49.2			51.1	51.0	53.3	49.5	54.4	50.8	49.1	51.7	54.9	46.3	47.2	51.7	45.8	50.6	49.9	50.3	51.3	53.1	54.0
Jan-22	49.7	52.7	49.8	54.2	59.4		52.6	54.0	53.5	54.3	54.4	57.6	53.3		50.4	45.1		52.1	51.0	46.5	45.9	53.3	51.4	51.9	49.0	51.2	38.9	48.5	49.1	48.0	50.5	46.5	45.3	51.1	54.2	56.2
Feb-22	51.0	48.5	53.4	55.0	55.7		52.4	56.4	52.8	54.2	54.1	58.6	53.3		49.1	42.6		50.6	50.6	50.7	46.6	52.0	53.3	47.5	51.2	48.3	44.0	48.6	48.9	48.6	51.6	48.3	37.5	51.6	52.9	55.7
Mar-22	48.1	51.9	54.9	49.7	55.5		45.8	49.1	49.1	53.4	51.5	53.7	46.4		49.4	58.3		46.5	50.7	49.0	46.9	46.5	43.0	31.1	50.4	46.4	44.7	48.3	52.0	48.9	51.4	44.5	38.9	48.4	52.3	53.1
Apr-22	48.2	51.8	56.4	49.0	52.7		46.5	47.1	50.9	52.7	50.1	56.3	49.9		47.7	47.7		47.1	50.9	47.7	51.9	48.3	45.3	36.1	49.3					50.0		43.2	44.7	54.2	52.9	52.3
	46	48		50	5	2	54																													

PMI MANUFACTURING - INPUT PRICES



The bank for a changing world



BNP PARIBAS

PMI MANUFACTURING - OUTPUT PRICES

									Dev	elope	d Mar	kets																count							
	WD	N	A							Europ	Э					A	lsia-O	ceani	а	LAT	AM		Eura	asia		N	liddle	East &	& Afric	a			Asia		
	World	CANADA	USA	EURO ZONE	AUSTRIA	DENMARK	FRANCE	GERMANY	GREECE	IRELAND	ПАЦҮ	NETHERLANDS	SPAIN	SWITZERLAND	ΠK	AUSTRALIA	NEW ZEALAND	JAPAN	SINGAPORE	BRAZIL	MEXICO	CZECH REPUBLIC	POLAND	RUSSIA	TURKEY	EGYPT	LEBANON	SAUDI ARABIA	SOUTH AFRICA	UAE	CHINA	HONG KONG	INDIA	INDONESIA	
-21	60.1	65.1	73.2	68.6	69.0	60.3	61.6	72.6	61.0	66.0	68.1	72.4	62.7		71.6			54.4		69.3	49.5	72.6	72.0	62.3	61.1		52.0	53.1		49.6		54.8	52.3	53.5	5
-21	60.9	67.7	73.9	70.4	73.0	57.2	66.7	73.3	67.7	69.3	68.4	74.9	64.8		71.9			54.9		66.3	48.6	70.6	71.4	57.2	61.6	52.2	50.9	51.1		48.7		53.7	52.0	54.3	5
-21	63.7	67.1	76.4	72.6	73.3	78.8	66.1	75.6	77.2	70.2	71.5	78.4	68.8		74.2			56.6		67.2	51.0	71.8	75.2	58.5	67.2	54.6	51.3	53.7		49.0		53.1	52.3	54.0) 5
-21	61.3	65.8	73.6	73.7	71.1	64.0	68.2	76.3	76.5	71.7	73.4	79.5	70.7		74.0			56.1		66.2	48.8	72.3	71.4	58.4	78.3	54.3	51.9	52.6		48.5		52.6	52.1	54.0)
-21	59.8	63.7	70.5	70.2	70.4	60.1	62.7	70.9	72.8	69.9	73.2	76.6	69.6		74.3			55.9		65.9	52.6	70.9	72.2	59.8	79.9	53.5	53.4	52.6		49.0		54.8	51.0	53.7	·
-22	60.9	62.3	68.9	72.7	68.0	59.9	71.7	74.7	74.9	66.3	73.5	73.5	71.1		70.9			59.1		62.1	52.9	78.1	73.7	60.4	71.7	51.7	53.7	52.1		49.2		53.0	51.7	53.8	3 5
-22	61.3	62.4	70.9	71.8	67.5	60.5	68.0	74.3	73.6	70.3	70.0	73.6	71.4		69.9			58.2		60.7	52.8	70.3	68.8	62.8	66.3	51.2	51.7	50.1		49.5		49.8	51.0	53.5	5
-22	62.3	70.8	69.7	74.2	72.5	66.3	71.3	75.6	77.8	72.8	73.5	80.0	71.4		71.3			58.8		68.5	53.1	73.3	78.5	77.8	68.7	51.5	52.5	53.8		49.8		51.5	52.2	56.5	5 .
-22	63.7	69.8	76.3	77.3	79.2	62.3	71.8	79.3	75.8	77.5	77.0	82.5	73.6		78.8			62.5		65.0	54.6	74.9	80.1	72.5	66.8							54.0	54.1	56.6	5 4

48 50 52 54

MANUFACTURING PMI - DELIVERY TIMES

									Develo		larket	S												E			untrie						
	WD	N	IA						Eur	оре						Asia-O	ceani	а	LAT	AM		Eura	asia		Midd	dle Ea	st & A	frica			Asia		
	World	CANADA	USA	EURO ZONE	AUSTRIA	DENMARK	FRANCE	GERMANY	GREECE	IRELAND	ITALY	NETHERLANDS	SPAIN	ΠK	AUSTRALIA	NEW ZEALAND	JAPAN	SINGAPORE	BRAZIL	MEXICO	CZECH REPUBLIC	POLAND	RUSSIA	TURKEY	EGYPT	SAUDI ARABIA	SOUTH AFRICA	UAE	CHINA	HONG KONG	INDIA	INDONESIA	VIETNAM
ıg-21	36.1	28.6	16.8	22.8	20.3	11.0	22.5	19.1	31.3	24.4	28.8	16.1	32.0	17.4	41.3	32.8	39.5	50.0	42.8	41.0	21.9	32.3	46.9	42.5	52.0	48.6	70.1	50.7	46.6	46.6	48.5	45.1	30
ep-21	36.5	25.4	16.6	22.5	18.1	7.8	19.7	22.3	28.7	26.4	24.7	15.3	27.2	19.3	49.2	47.7	38.3	50.1	44.4	41.1	22.9	32.1	46.9	45.5	52.8	51.0	73.7	49.8	48.3	49.3	48.5	46.4	28
ct-21	34.8	23.1	16.8	19.4	16.9	9.9	17.7	17.8	24.1	18.0	24.1	15.8	24.3	18.3	41.2		37.0	50.3	42.4	39.7	21.6	32.9	43.3	42.6	50.8	51.8	72.6	50.8	45.1	48.4	48.6	46.3	39
ov-21	36.4	24.4	18.9	21.7	19.3	5.7	19.8	21.3	24.5	25.9	24.5	18.5	21.8	21.4	53.4	44.4	37.7	50.5	41.3	38.6	22.8	33.4	45.3	36.1	49.1	52.4	70.4	51.5	48.4	48.5	49.1	49.3	43
ec-21	37.8	28.7	24.4	25.3	24.5	15.0	24.7	25.9	24.9	31.1	24.0	22.0	25.3	23.8		51.4	37.1	50.4	42.2	34.7	25.6	35.2	44.1	33.8	49.5	52.3	69.6	51.8	48.7	49.8	47.9	48.6	46
an-22	38.0	27.8	23.2	26.6	24.6	27.9	24.2	27.1	26.4	27.4	27.4	23.4	30.0	30.4	37.8	53.8	37.8	50.1	40.7	38.8	31.1	34.9	45.3	41.7	49.7	50.0		52.4	47.5	46.6	48.5	50.1	45
eb-22	39.4	26.8	25.0	31.0	29.2	38.1	25.2	34.0	25.3	30.8	31.5	25.1	31.5	31.7	49.0	53.1	38.1	50.5	45.0	43.3	32.0	38.3	44.1	42.1	49.4	53.1		52.7	48.1	44.2	48.8	50.7	44
ar-22	38.7	24.8	28.5	25.9	20.2	32.9	24.7	24.9	24.3	32.8	29.9	24.5	22.4	33.4	45.7	51.9	37.5	50.3	44.1	41.1	25.8	32.2	30.5	41.2	48.3	54.1		52.7	47.1	37.6	49.5	48.2	41
pr-22	35.8	34.0	26.9	26.3	22.5	30.8	25.4	23.9	24.8	31.5	29.7	24.6	31.2	32.8	60.4		37.8	50.1	45.2	43.7	26.2	37.2	33.6	43.7			63.5		37.8	38.7	48.9	48.8	46

PMI SERVICES - INPUT PRICES

		World	NSA	EURO ZONE	FRANCE	GERMANY	IRELAND	ТАЦҮ	SPAIN	UK	AUSTRALIA	JAPAN	BRAZIL	RUSSIA	CHINA	NDIA
	Aug-21	63.8	72.5	63.3	58.5	68.7	70.3	59.9	62.5	72.3	71.5	53.7	68.5	61.2	52.1	57.1
	Sep-21	65.2	74.1	65.2	63.9	67.9	70.8	60.9	65.2	73.5	64.5	54.0	73.2	63.1	53.0	55.7
	Oct-21	65.4	71.7	67.5	66.5	70.0	73.1	62.7	68.3	78.7	73.6	54.7	72.6	64.7	53.6	57.5
	Nov-21	68.5	75.7	71.4	67.5	73.9	72.6	69.5	75.4	82.0	65.3	57.7	74.4	64.9	55.6	57.6
	Dec-21	68.1	77.4	69.6	67.2	70.4	71.5	68.7	73.0	77.0		58.2	65.9	65.8	54.3	57.0
	Jan-22	66.3	71.9	70.9	69.6	72.0	70.1	69.9	72.1	79.7	66.1	57.1	69.3	65.6	54.5	58.1
	Feb-22	67.3	74.8	72.2	67.9	73.7	74.2	73.1	75.2	81.5	66.0	57.8	66.7	64.9	52.5	57.3
	Mar-22	70.2	76.7	79.6	78.3	78.5	83.6	80.3	83.2	81.6	77.5	57.7	70.9	81.3	54.2	59.7
	Apr-22		79.6	78.7	76.0	81.9	82.2	75.7	79.3	82.4		60.9	73.7		53.7	62.1
3 50 52 54																

SOURCE: MARKIT, BNP PARIBAS



46 48

ECONOMIC PULSE

9

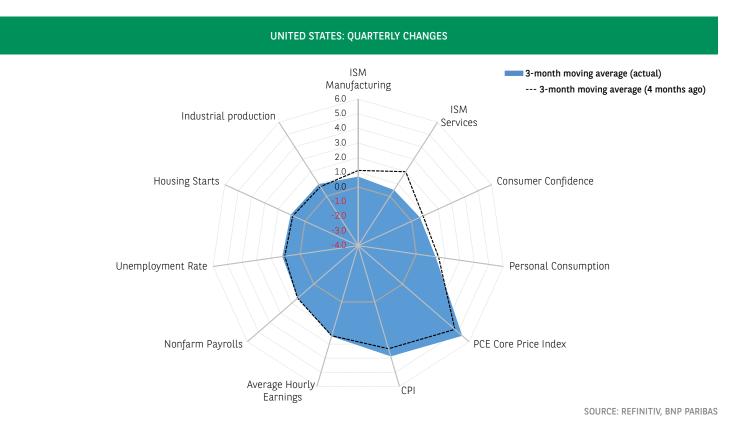
UNITED STATES: STRONGER THAN THE CONTRACTION OF GDP SUGGESTS

Contrary to expectations (annualised quarterly growth of 1%) US GDP contracted by an annualised quarterly rate of 1.4% in Q1 2022. This surprise fall hides a more nuanced and less negative reality. The economic engines of household consumption and business investment are robust and contributed 1.8 points and 1.3 points of growth respectively. However, reduced inventories at companies (contribution from changes in inventory of -0.8 of a point) and a reduction in public spending (contribution of -0.5 of a point), due to the ending of several support programmes, had a negative effect on growth. But the biggest negative contribution came from international trade (-3.2 points), which was the main reason for the drop in quarterly GDP. On the one hand, imports decreased in goods, especially non-food and non-automotive consumer goods. On the other hand, exports in goods fell, due to the war in Ukraine and the resurgence of the Omicron variant of Covid-19, but it was partly offset by an increase of exports in services.

In the labour market, the news remained good: 428,000 non-farm jobs were created in April; the unemployment rate was 3.6% in April, its lowest for 50 years; and there are clear signs of labour shortages, with an historically low ratio job seekers per job opening (0.6 in March). This robust labour market is dragging wages upwards in its wake (with a year-on-year rise of 5.6% in April), which will help mitigate somewhat the impact of the inflationary shock on households' real disposable income.

The issue of persistently high inflation (8.5% year-on-year in March) is more relevant than ever and explains the Fed's recent decisions. The FOMC raised its policy rate by 50 basis points at its meeting of 3 and 4 May, taking it to 1% (upper end of the target range). In its forward guidance, the FOMC points towards further, similar increases at its next meetings. Meanwhile, the Fed has announced a gradual reduction in its balance sheet at a monthly rate of USD47.5 billion from June to August, and then USD95 billion from September.

Félix Berte



The indicators in the radar are all transformed into 'z-scores' (deviations from the long-term average, as standard deviations). These z-scores have mean zero and their values are between -4 and +6. In the radar chart, the blue area shows the actual conditions of economic activity. It is compared with the situation four months earlier (dotted-line). An expansion of the blue area compared to the dotted area signals an increase in the variable.



ECONOMIC PULSE

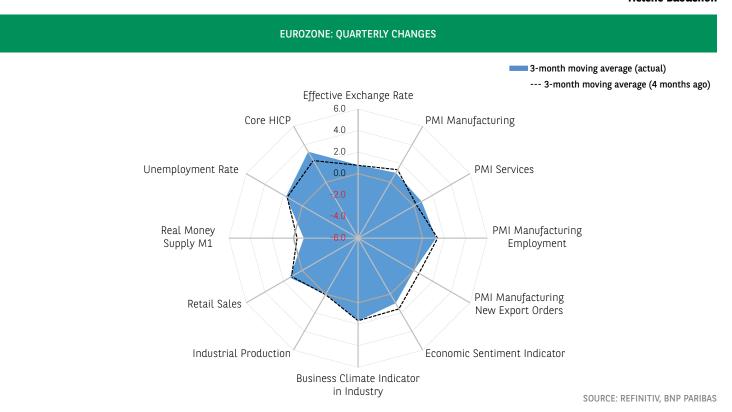
10

EUROZONE: HOW WORRIED SHOULD WE BE ABOUT RECESSION?

In the space of just a few months, growth prospects in the eurozone have deteriorated markedly. So much so that the risk of a recession is looming this year. Between our growth forecast from early 2021 – when it peaked at 5.5% – and our current scenario, drawn up in mid-March 2022, expected growth has been about halved; we now expect a figure of 2.8%. As recently as November 2021, we were still forecasting 4.2%. This figure of 2.8% still looks very high, as it is well above the long-term trend rate of 1.6% per year on average between 1996 and 2019. However, it relies on an exceptionally high growth carry-over of 2.1% in Q1 2022 and, for the subsequent quarters, on projected weak but positive growth. However, since mid-March, downside risks have increased, particularly due to the amplification of the inflationary shock, and the probability of a recession has increased. According to Eurostat's first estimate, eurozone growth was slightly positive in Q1 2022, at 0.2% q/q. This figure is only marginally below our expectations (0.3% q/q) but is made to look weaker by the contrasting situation of the area's four biggest economies: a 0.2% q/q contraction in Italian GDP, stagnation in France, and very modest GDP growth in Germany and Spain (0.2% and 0.3% q/q respectively). Moreover, behind the headline number, the marked decline in household consumption in France (-1/3% q/q) and Spain (-3.7% q/q) does not augur well.

Turning to the early part of Q2, survey data looks mixed: the blue area of our Pulse only falls within the dotted lines on a small number of indicators and even then to a relatively limited scale at this stage. The composite PMI has improved slightly (0.9 of a point, to 55.8), with a marked improvement in the services component (up 2.1 points, to 57.7) winning out over a fresh drop in the manufacturing component (down 2.4 points, to 50.7). The European Commission's Economic Sentiment Indicator (ESI), however, recorded a further fall (-1.7 points), although this was a much smaller drop than the -7.8 points seen in March. The ESI was dragged down by the confidence figures for consumers and retail businesses, behind which we must see the fears due to the inflationary shock. The surge in inflation has continued to gain scale: headline inflation increased further in April, admittedly by only 0.1 of a point (to 7.5% y/y according to Eurostat's flash estimate), but this obscures a sharp rise in core inflation (up 0.6 of a point, to 3.5% y/y).

In the labour market, however, signals remain reassuring. And there are chances that the situation will not worsen too far, despite the shocks, given the support to growth coming from the cyclical dynamic that pre-dated the war in Ukraine (the post-Covid recovery), the fiscal measures designed to mitigate inflation's impact on purchasing power, the surplus savings that remain available and the need to invest. Thanks to these various factors, any recession that does occur could prove to be no more than 'technical', that is to say limited in both scale and duration.



Hélène Baudchon

The indicators in the radar are all transformed into 'z-scores' (deviations from the long-term average, as standard deviations). These z-scores have mean zero and their values are between -6 and +6. In the radar chart, the blue area shows the actual conditions of economic activity. It is compared with the situation four months earlier (dotted-line). An expansion of the blue area compared to the dotted area signals an increase in the variable.



ECONOMIC PULSE

11

MOBILITY: BACK TO PRE-PANDEMIC LEVELS IN THE USA AND BELGIUM

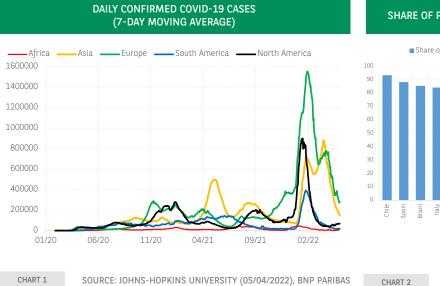
For the first time since December 2021, the number of new global Covid-19 cases for the week has fallen below the symbolic level of 5 million (average for a moving seven-day period). Some 4.3 million new cases were recorded between 26 April and 3 May, a fall of 15% on the previous week (chart 1). The fall in infections continued in Asia (-24%) and Europe (-17%), but other regions indicated an increase in case numbers: North America (+11%), South America (+8%) and Africa (+4%). To date, 12 billion vaccine doses have been given around the world, taking the share of the global population to have received at least one jab to 65.4%. Despite this, in some parts of the world overall vaccine coverage remains low, with just 15.8% of people in low income countries having received at least their first dose (chart 2).

With new case numbers falling, visits to retail and recreation facilities rose over the course of April in most countries in our sample. There were increases of 8.4% in Italy, 8% in France, 7% in Spain and Germany, and 5% in the UK. Visits were stable in Japan. Visit numbers also rose in the USA and Belgium over the same period - by 16% and 8% respectively - returning to pre-pandemic levels during the first week of April (chart 3).

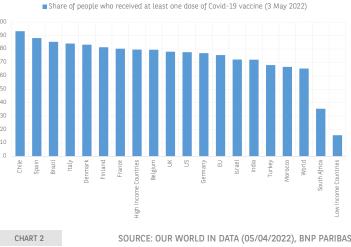
Lastly, the trend in the weekly proxy indicator of GDP remained positive in Japan. In France, Spain and Belgium, the slight fall seen this week followed a rising trend, whilst the downturn was slightly more marked in Germany, Italy, the USA and the UK (chart 3, black line). The OECD Tracker is based on Google Trends resulting from queries on consumption, the labour market, housing, industrial activity as well as uncertainty. The OECD calculates the tracker over a 2-year period (y/2y) to avoid the base effect of a comparison with 2020 data.

Tarik Rharrab

* Google Mobility Reports show how visits and length of stay at different places change compared to a baseline. The baseline is the median value, for the corresponding day of the week, during the 5-week period Jan 3-Feb 6, 2020. A figure of negative 30% indicates that traffic was down 30% compared to a baseline. The reports show trends over several weeks with the most recent data representing approximately 2-3 days ago-this is how long it takes to produce the reports. In order to smooth the series, we use a seven-day moving average of the raw data in the Google Mobility Reports. Source: Google.



SHARE OF PEOPLE WHO RECEIVED AT LEAST ONE DOSE OF VACCINE





30

20

10

0

-10

-20

-30

25

20

15

10

5

0

-5

-10

-15

-20

30

20

10

0

-10

-20

-30

22

17

12

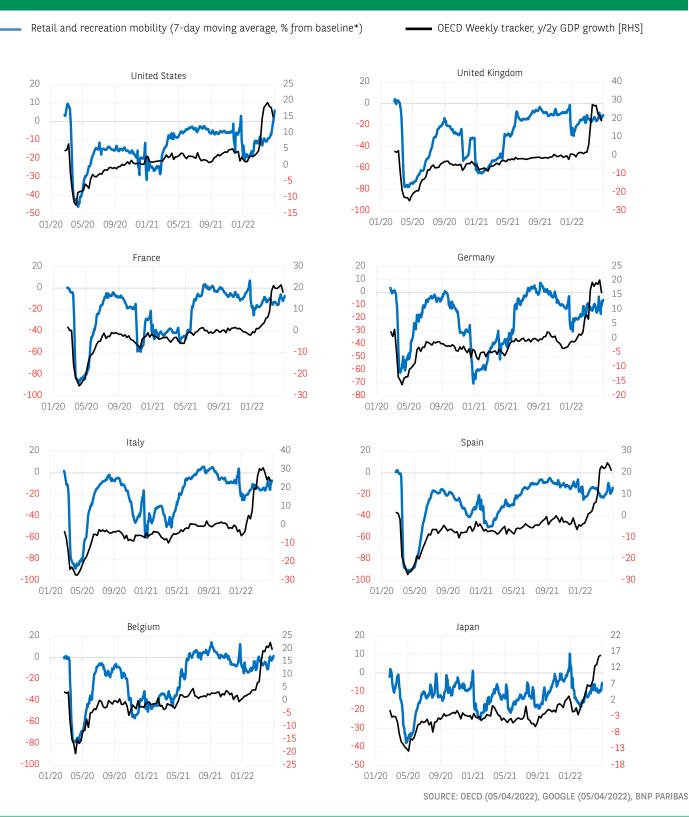
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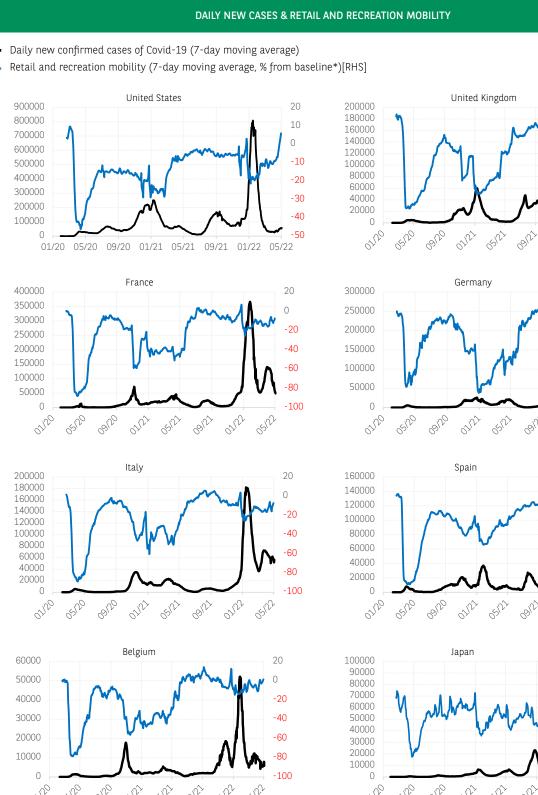
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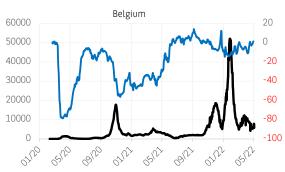
-18



RETAIL AND RECREATION MOBILITY & OECD WEEKLY TRACKER

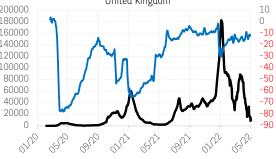




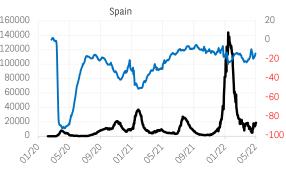


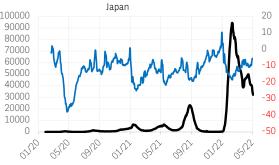
SOURCE: JOHNS-HOPKINS UNIVERSITY (05/04/2022), GOOGLE (05/04/2022), BNP PARIBAS











ECONOMIC SCENARIO

UNITED STATES

Despite a surprising contraction in Q1 2022, the US economy remains dynamic and well supported by household consumption and business investment. The robustness of the labour market, which is at full employment, bolsters wages and household consumption. However, inflation, at its highest for four decades, weighs on purchasing power. As inflation is far beyond the Federal Reserve's objective and also more persistent than anticipated, monetary policy is being tightened sharply. The scaling back of the government's fiscal ambitions, especially its social welfare and environmental plans, may also contribute to moderate growth. Against this background, whilst avoiding a recession, the U.S. economy is expected to slow down clearly.

CHINA

Economic growth has slowed again markedly since March, after two months of improvement. Lockdown measures imposed in many regions in order to contain the Covid-19 epidemic, the continued correction in the real estate sector, the persisting weakness of private consumption and the effects of the war in Ukraine on commodity prices and world demand are major negative factors that will continue to constrain economic growth in the short-term. Consequently, the government increases fiscal policy support and the central bank enhances monetary easing measures.

EUROZONE

Following on from Q4 2021, the eurozone again saw positive but weak growth in Q1 2022. The surge in inflation that began in early 2021 has morphed into an inflationary shock. Inflation continues to be driven primarily by energy prices, but has climbed to new record levels nonetheless. In addition, it is now becoming more widespread and thus more persistent. Although the deterioration of business climate surveys remained limited up until April, consumer confidence has worsened more noticeably. The risk of a recession in the short term is increasing but, should there be one, it would only be technical (limited in duration and extent). The labour market remains robust and the economy still benefits from the cyclical momentum that existed prior to the war in Ukraine, fiscal measures that seek to cushion the impact of inflation on purchasing power, excess savings which are still available and the need to invest. In our scenario (no recession), we expect eurozone growth to reach 2.8% on average over 2022 and something similar (2.7%) in 2023. This scenario is in line with the April consensus for 2022 but is more optimistic for 2023. The risks are on the downside.

FRANCE

GDP growth has slowed markedly in the 1st quarter of 2022 (0% q/q after +0.8% in the 4th quarter of 2021), as a result of a decrease in household consumption (-1.3% q/q). Higher inflation has pressured households' purchasing power and should also weigh on Q2 expectations. In parallel, corporate investment maintained its growth (+0.7% q/q), as corporates have to cope with output capacity constraints. Overall, in 2022, GDP growth should ease to 3.2% (7% in 2021), against a background of higher inflation (4.8% expected in 2022 after 1.6% in 2021).

RATES AND EXCHANGE RATES

In the US, the Federal Reserve will continue its tightening policy at a swift pace. We expect 50bp hikes at the June, July and September meetings, followed by an increase of 25bp in November and December. The terminal rate of 3.00-3.25% to be reached in 2023 Q1. In addition, the reduction of the size of the balance sheet (quantitative tightening) will influence the level of interest rates The Fed's hawkish stance is motivated by particularly elevated inflation, a strong economy and very low policy rates. These policy changes should only put limited upward pressure on long-term Treasury yields considering that the market has anticipated to a large degree the policy tightening. In addition, as the rate hike cycle continues, bond investors will start to price the prospect of slower growth and the decline of inflation.

In the euro area, the jump in uncertainty and commodity prices are weighing on the sentiment of companies and households. Confronted with high and widespread inflation, the ECB has changed its tone. We expect a first hike of the deposit rate in September although an earlier move, on the occasion of the July meeting, is becoming



increasingly likely. A further rate hike will follow bringing the deposit rate to 0.00% at the end of this year. 2023 should see several rate increase, with a deposit rate at 1.25% at the end of the year. This should push bond yields higher but also lead to a widening of certain sovereign spreads.

The Bank of Japan is expected to maintain its current policy stance in the near term but raise its short-term policy rate from -0.10% to the 0-0.10% range in the latter part of 2023, whilst allowing the 10-year JGB yield to drift higher. These decisions would be based on an increased emphasis on the side effects of the negative interest rate policy and concern about the risk of further yen weakening and its impact on households via higher import prices.

We expect the dollar to weaken versus the euro, considering that both the Federal Reserve and the ECB will tighten policy, that the long-term interest rate differential should narrow and that the euro is undervalued versus the dollar. The increased policy divergence between the Fed and the Bank of Japan should cause an appreciation of the dollar versus the yen but in the latter part of 2023, we expect the yen to appreciate following the change in monetary policy of the Bank of Japan.

	GDP GI	ROWTH				
G	GDP Grow	rth			nflation	*
2021	2022 e	2023 e		2021	2022 e	2023 e
5.7	3.7	2.5	-	4.7	6.5	2.8
1.7	1.6	2.0		-0.2	1.5	1.1
7.5	3.6	1.7		2.5	7.4	3.3
5.3	2.8	2.7		2.6	7.3	4.0
2.9	2.1	3.4		3.2	6.6	3.6
7.0	3.2	2.5		2.1	5.3	2.5
6.6	2.8	2.2		2.0	6.4	2.6
5.0	4.8	2.7		3.0	8.1	3.5
7.7	4.8	5.1		0.9	2.4	2.7
8.1	9.5	7.3		5.1	6.3	5.2
5.0	-0.5	0.0		8.3	9.0	5.7
4.5	-8.5	3.1		7.0	18.2	5.0
	2021 5.7 1.7 5.3 2.9 7.0 6.6 5.0 7.7 8.1 5.0	GDP Grow 2021 2022 e 5.7 3.7 1.7 1.6 7.5 3.6 5.3 2.8 2.9 2.1 7.0 3.2 6.6 2.8 5.0 4.8 7.7 4.8 8.1 9.5 5.0 -0.5	5.7 3.7 2.5 1.7 1.6 2.0 7.5 3.6 1.7 5.3 2.8 2.7 2.9 2.1 3.4 7.0 3.2 2.5 6.6 2.8 2.2 5.0 4.8 2.7 7.7 4.8 5.1 8.1 9.5 7.3 5.0 -0.5 0.0	GJUP GROWER 2021 2022 e 2023 e 5.7 3.7 2.5 1.7 1.6 2.0 7.5 3.6 1.7 5.3 2.8 2.7 2.9 2.1 3.4 7.0 3.2 2.5 6.6 2.8 2.7 5.0 4.8 2.7 7.7 4.8 5.1 8.1 9.5 7.3 5.0 -0.5 0.0	GDP Growth 2021 2022 e 2023 e 2021 5.7 3.7 2.5 4.7 1.7 1.6 2.0 -0.2 7.5 3.6 1.7 2.5 5.3 2.8 2.7 2.6 2.9 2.1 3.4 3.2 7.0 3.2 2.5 2.0 6.6 2.8 2.2 2.0 5.0 4.8 2.7 3.0 7.7 4.8 5.1 0.9 8.1 9.5 7.3 5.1 5.0 -0.5 0.0 8.3	GJP Growth Inflation 2021 2022 e 2023 e 5.7 3.7 2.5 1.7 1.6 2.00 7.5 3.6 1.7 5.3 2.8 2.7 2.9 2.1 3.4 7.0 3.2 2.5 6.6 2.8 2.7 5.0 4.8 2.7 3.0 8.1 7.7 4.8 5.1 9.0 -0.5 0.0

SOURCE: BNP PARIBAS GROUP ECONOMIC RESEARCH (E: ESTIMATES & FORECASTS) *FISCAL YEAR FROM 1ST APRIL OF YEAR N TO MARCH 31ST OF YEAR N+1 ** LAST UPDATE 05/06/2022

INTEREST & EXCHANGE RATES

End of period		Q1 2022	Q2 2022 e	Q3 2022 e	Q4 2022 e	Q4 2023 e
	Fed Funds	0.50	1.50	2.50	3.00	3.25
US	(upper limit)**	0.50	1.50	2.50	5.00	5.25
	T-Note 10y	2.33	2.50	2.60	2.70	2.60
Ezone	Deposit rate**	-0.50	-0.50	-0.25	0.00	1.25
	Bund 10y	0.51	0.75	0.90	1.00	1.20
	OAT 10y	0.84	1.20	1.40	1.50	1.70
	BTP 10y	1.97	2.45	2.75	3.00	3.20
	BONO 10y	1.37	1.75	2.00	2.15	2.35
UK	Base rate	0.75	1.00	1.25	1.25	1.75
	Gilts 10y	1.59	1.75	1.90	2.00	2.00
Japan	BoJ Rate	-0.02	-0.10	-0.10	-0.10	0.10
	JGB 10y	0.21	0.25	0.25	0.25	0.45
Exchange Rates		•				
End of period		Q1 2022	Q2 2022 e	Q3 2022 e	Q4 2022 e	Q4 2023
USD	EUR / USD	1.11	1.11	1.13	1.14	1.20
	USD / JPY	121	125	124	123	115
	GBP / USD	1.32	1.29	1.31	1.33	1.40
EUR	EUR / GBP	0.85	0.86	0.86	0.86	0.86
	EUR / JPY	135	139	140	140	138
Brent						
End of period		Q1 2022	Q2 2022 e	Q3 2022 e	Q4 2022 e	Q4 2023
Brent*	USD/bbl	107	113	115	110	105

FORECASTS PRODUCED ON 2 MAY 2022. SOURCE: BNP PARIBAS (E: ESTIMATES & FORECASTS) (MARKET ECONOMICS, INTEREST RATE STRATEGY, FX STRATEGY, COMMODITIES DESK STRATEGY * BASE CASE ** LAST UPDATE 06/05/2022)

CALENDAR

In China, the sanitary measures to address the increase in Covid-19 cases have led to a significant decline in the PMI indices, in particular in services. For the euro area, the PMIs were in line with the flash estimates. The European Commission's surveys came in below expectations with confidence in industry and consumer confidence recording considerable declines. Producer price inflation increased further, to an exceptionally high 36.8% on an annual basis, but this was in line with the consensus. The unemployment rate was stable and monthly retail sales declined, more or less as expected. In France, the PMIs were marginally better than the flash estimates. Private sector job growth in the first quarter slowed down but less than anticipated. In Germany, the manufacturing PMI was better than the flash estimate and the opposite holds for services. The decline in the unemployment numbers slowed down, more than expected. Japanese consumer confidence hardly changed in April. In the UK, the PMIs were slightly better than the flash estimates. The Bank of England hiked the bank rate with 25 basis points but several members had advocated a 50 bp increase. This disagreement contributed to a significant weakening of sterling versus the dollar. In the US, the ISM index for manufacturing showed a significant decline -the consensus had expected a slight improvement- and the services index also recorded, unexpectedly, a decline, although less big than in manufacturing. The employment index of the manufacturing ISM saw a big drop, against expectations. Nevertheless, the labour market report was strong with above-consensus job creation. The unemployment rate was stable despite a slight decline in the participation rate. The FOMC has, as expected, hiked the federal funds rate with 50 bp and has indicated that several similar moves should follow so as to bring inflation back under control.

DATE	COUNTRY	INDICATOR	PERIOD	CONSENSUS	ACTUAL	PREVIOUS
04/30/2022	China	Composite PMI	Apr		42.7	48.8
04/30/2022	China	Manufacturing PMI	Apr	47.3	47.4	49.5
04/30/2022	China	Non-manufacturing PMI	Apr	46.0	41.9	48.4
04/30/2022	China	Caixin China PMI Mfg	Apr	47.0	46.0	48.1
05/02/2022	Japan	Jibun Bank Japan PMI Mfg	Apr		53.5	53.4
05/02/2022	Japan	Consumer Confidence Index	Apr	34.2	33.0	32.8
05/02/2022	France	S&P Global France Manufacturing PMI	Apr	55.4	55.7	55.4
05/02/2022	Germany	S&P Global/BME Germany Manufacturing PMI	Apr	54.1	54.6	54.1
05/02/2022	Eurozone	S&P Global Eurozone Manufacturing PMI	Apr	55.3	55.5	55.3
05/02/2022	Eurozone	Economic Confidence	Apr	108.0	105.0	106.7
05/02/2022	Eurozone	Industrial Confidence	Apr	9.5	7.9	9.0
05/02/2022	Eurozone	Services Confidence	Apr	13.8	13.5	13.6
05/02/2022	Eurozone	Consumer Confidence	Apr		-22.0	-16.9
05/02/2022	United States	S&P Global US Manufacturing PMI	Apr	59.7	59.2	59.7
05/02/2022	United States	ISM Manufacturing	Apr	57.6	55.4	57.1
05/02/2022	United States	ISM Prices Paid	Apr	87.4	84.6	87.1
05/02/2022	United States	ISM New Orders	Apr	54.1	53.5	53.8
05/02/2022	United States	ISM Employment	Apr	55.0	50.9	56.3
05/03/2022	Germany	Unemployment Change (000's)	Apr	-15.0k	-13.0k	-18.0k
05/03/2022	United Kingdom	S&P Global/CIPS UK Manufacturing PMI	Apr	55.3	55.8	55.3
05/03/2022	Eurozone	PPI MoM	Mar	5.0%	5.3%	1.1%
05/03/2022	Eurozone	PPI YoY	Mar	36.3%	36.8%	31.5%
05/03/2022	Eurozone	Unemployment Rate	Mar	6.8%	6.8%	6.9%
05/03/2022	United States	JOLTS Job Openings	Mar	11,200k	11,549k	11,344k
05/03/2022	United States	Cap Goods Orders Nondef Ex Air	Mar	1.0%	1.3%	1.0%



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DATE	COUNTRY	INDICATOR	PERIOD	CONSENSUS	ACTUAL	PREVIOUS
05/04/2022	France	S&P Global France Services PMI	Apr	58.8	58.9	58.8
05/04/2022	France	S&P Global France Composite PMI	Apr	57.5	57.6	57.5
05/04/2022	Germany	S&P Global Germany Services PMI	Apr	57.9	57.6	57.9
05/04/2022	Germany	S&P Global Germany Composite PMI	Apr	54.5	54.3	54.5
05/04/2022	Eurozone	S&P Global Eurozone Services PMI	Apr	57.7	57.7	57.7
05/04/2022	Eurozone	S&P Global Eurozone Composite PMI	Apr	55.8	55.8	55.8
05/04/2022	Eurozone	Retail Sales MoM	Mar	-0.3%	-0.4%	0.4%
05/04/2022	Eurozone	Retail Sales YoY	Mar	1.8%	0.8%	5.2%
05/04/2022	United States	S&P Global US Services PMI	Apr	54.7	55.6	54.7
05/04/2022	United States	S&P Global US Composite PMI	Apr	55.1	56.0	55.1
05/04/2022	United States	ISM Services Index	Apr	58.5	57.1	58.3
05/04/2022	United States	FOMC Rate Decision (Lower Bound)	May	0.8%	0.8%	0.3%
05/04/2022	United States	FOMC Rate Decision (Upper Bound)	May	1.0%	1.0%	0.5%
05/05/2022	China	Caixin China PMI Composite	Apr		37.2	43.9
05/05/2022	China	Caixin China PMI Services	Apr	40.0	36.2	42.0
05/05/2022	United Kingdom	S&P Global/CIPS UK Services PMI	Apr	58.3	58.9	58.3
05/05/2022	United Kingdom	S&P Global/CIPS UK Composite PMI	Apr	57.6	58.2	57.6
05/05/2022	United Kingdom	Bank of England Bank Rate	May	1.0%	1.0%	0.8%
05/05/2022	United States	Nonfarm Productivity	1Q	-5.3%	-7.5%	6.3%
05/05/2022	United States	Unit Labor Costs	1Q	10.0%	11.6%	1.0%
05/05/2022	United States	Initial Jobless Claims	Apr	180k	200k	181k
05/06/2022	France	Private Sector Payrolls QoQ	1Q	0.2%	0.3%	0.6%
05/06/2022	United States	Change in Nonfarm Payrolls	Apr	380k	428k	428k
05/06/2022	United States	Unemployment Rate	Apr	3.5%	3.6%	3.6%
05/06/2022	United States	Average Hourly Earnings MoM	Apr	0.4%	0.3%	0.5%
05/06/2022	United States	Average Hourly Earnings YoY	Apr	5.5%	5.5%	5.6%
05/06/2022	United States	Average Weekly Hours All Employees	Apr	34.7	34.6	34.6
05/06/2022	United States	Labor Force Participation Rate	Apr	62.5%	62.2%	62.4%

SOURCE: BLOOMBERG



CALENDAR: THE WEEK AHEAD

COMING INDICATORS

The highlight of the week will be the US inflation data (consumer as well as producer prices). Also in the US, we will have mortgage applications, which will be scrutinized for an impact of rising mortgage rates, and University of Michigan sentiment. The United Kingdom will publish first quarter GDP numbers. In Japan we will have the services and composite PMIs as well as the Eco Watchers survey, and in China export and import data. For Germany, inflation data and the ZEW survey will be released and in France, inflation numbers, wage growth and Banque de France industrial sentiment. Finally, for the euro area, the ZEW survey will be published.

DATE	COUNTRY	INDICATOR	PERIOD	SURVEY	PREVIOUS
05/09/2022	Japan	Jibun Bank Japan PMI Services	April		50.5
05/09/2022	Japan	Jibun Bank Japan PMI Composite	April		50.9
05/09/2022	France	Trade Balance	March		-10,273m
05/09/2022	China	Exports YoY	April	3.00%	14.70%
05/09/2022	China	Imports YoY	April	-3.00%	-0.10%
05/09/2022	China	Exports YoY CNY	April		12.90%
05/09/2022	China	Imports YoY CNY	April		-1.70%
05/10/2022	Germany	ZEW Survey Expectations	May		-41
05/10/2022	Germany	ZEW Survey Current Situation	May		-30.8
05/10/2022	Eurozone	ZEW Survey Expectations	May		-43
05/10/2022	United States	NFIB Small Business Optimism	April		93.2
05/10/2022	France	Bank of France Ind. Sentiment	April		103
05/11/2022	China	PPI YoY	April	7.50%	8.30%
05/11/2022	China	CPI YoY	April	1.90%	1.50%
05/11/2022	Germany	CPI EU Harmonized MoM	April		0.70%
05/11/2022	Germany	CPI EU Harmonized YoY	April		7.80%
05/11/2022	United Kingdom	Unit Labor Costs YoY	4Q		3.10%
05/11/2022	United States	MBA Mortgage Applications	May 6		2.50%
05/11/2022	United States	CPI MoM	April	0.20%	1.20%
05/11/2022	United States	CPI Ex Food and Energy MoM	April	0.40%	0.30%
05/11/2022	United States	CPI YoY	April		8.50%
05/11/2022	United States	CPI Ex Food and Energy YoY	April		6.50%
05/12/2022	Japan	Eco Watchers Survey Current SA	April	51	47.8
05/12/2022	Japan	Eco Watchers Survey Outlook SA	April		50.1



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OS/12/2022United KingdomPrivate Consumption QoQIQ0.50%OS/12/2022United KingdomGovernment Spending QoQIQ1.50%OS/12/2022United KingdomGross Fixed Capital Formation QoQIQ1.0%OS/12/2022United KingdomExports QoQIQ0.30%OS/12/2022United KingdomImports QoQIQ0.30%OS/12/2022United KingdomConstruction Output MoMMarch0.10%OS/12/2022United KingdomConstruction Output YoYMarch6.10%OS/12/2022United KingdomTotal Business Investment QoQIQ1.0%OS/12/2022United KingdomTotal Business Investment YoYMarch-29.0%OS/12/2022United KingdomTotal Business Investment YoYApril-29.20%OS/12/2022United StatesPPI Ex Food and Energy YoYApril0.50%1.40%OS/12/2022United StatesPPI Final Demand MoMApril0.50%1.20%OS/12/2022United StatesPPI Ex Food and Energy MoMApril-20.50%OS/12/2022United StatesPPI Ex Food and Energy MoMApril-20.50%OS/12/2022United StatesPI Ex Food and Energy MoMApril-20.50%OS/12/2022United StatesPI Ex Food and Energy MoMApril-20.50%OS/13/2022FranceCPI EU Harmonized MoMApril-2	05/12/2022	United Kingdom	GDP QoQ	1Q		1.30%
OS/12/2022United KingdomGovernment Spending QoQ1Q1.50%OS/12/2022United KingdomGross Fixed Capital Formation QoQ1Q6.90%OS/12/2022United KingdomExports QoQ1Q0.30%OS/12/2022United KingdomImports QoQ1Q0.30%OS/12/2022United KingdomConstruction Output MoMMarch6.10%OS/12/2022United KingdomConstruction Output YoYMarch6.10%OS/12/2022United KingdomTotal Business Investment QoQ1Q1.00%OS/12/2022United KingdomTotal Business Investment YoY1Q1.00%OS/12/2022United KingdomTotal Business Investment YoY1Q1.00%OS/12/2022United StatesPPI Ex Food and Energy YoYApril0.50%1.00%OS/12/2022United StatesPPI Ex Food and Energy MoMApril0.70%1.00%OS/12/2022United StatesInitial Jobless ClaimsApril0.70%1.00%OS/13/2022FranceCPI EU Harmonized MoMApril5.40%OS/13/2022FranceUnifed StatesU.of Mich. SentimentMay6869.4OS/13/2022United StatesU.of Mich. Current ConditionsMay68.16.10%OS/13/2022United StatesU.of Mich. ExpectationsMay64.16.25OS/13/2022United StatesU.of Mich. ExpectationsMay <t< td=""><td>05/12/2022</td><td>United Kingdom</td><td>GDP YoY</td><td>1Q</td><td></td><td>6.60%</td></t<>	05/12/2022	United Kingdom	GDP YoY	1Q		6.60%
OS/12/2022United KingdomGross Fixed Capital Formation QoQIQI-10%OS/12/2022United KingdomExports QoQIQIQI-206.90%OS/12/2022United KingdomImports QoQIQIQI-300.30%OS/12/2022United KingdomConstruction Output MoMMarchI-200.10%OS/12/2022United KingdomConstruction Output YoYMarchI-206.10%OS/12/2022United KingdomTotal Business Investment QoQIQI-201.00%OS/12/2022United KingdomTotal Business Investment YoYIQI-209.20%OS/12/2022United StatesPPI Ex Food and Energy YoYAprilI-209.20%OS/12/2022United StatesPPI Final Demand MoMApril0.70%1.00%OS/12/2022United StatesPPI Final Demand YoYAprilI-201.10%OS/12/2022United StatesPPI Final Demand YoYAprilI-201.12%OS/13/2022United StatesPOI EU Harmonized MoMAprilI-205.40%OS/13/2022FranceCPI EU Harmonized YOYAprilI-205.40%OS/13/2022FranceUnited StatesU.of Mich. SentimentMayGI-20OS/13/2022United StatesU.of Mich. SentimentMay63.865.2OS/13/2022United StatesU.of Mich. ExpectationsMay64.162.5OS/13/2022United StatesU.of Mich. ExpectationsMay<	05/12/2022	United Kingdom	Private Consumption QoQ	1Q		0.50%
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O5/13/2022 France CPI EU Harmonized MoM April 0.50% 05/13/2022 France CPI EU Harmonized YoY April 5.40% 05/13/2022 France Wages QoQ 1Q 0.50% 05/13/2022 United States U. of Mich. Sentiment May 63.8 65.2 05/13/2022 United States U. of Mich. Current Conditions May 64.1 62.5 05/13/2022 United States U. of Mich. Expectations May 64.1 62.5 05/13/2022 United States U. of Mich. 1Yr Inflation May 5.40% 5.40%	05/12/2022	United States	PPI Final Demand YoY	April		11.20%
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05/13/2022United StatesU. of Mich. Current ConditionsMay6869.405/13/2022United StatesU. of Mich. ExpectationsMay64.162.505/13/2022United StatesU. of Mich. 1 Yr InflationMay5.40%5.40%	05/13/2022	France	Wages QoQ	1Q		0.50%
05/13/2022United StatesU. of Mich. ExpectationsMay64.162.505/13/2022United StatesU. of Mich. 1 Yr InflationMay5.40%5.40%	05/13/2022	United States	U. of Mich. Sentiment	May	63.8	65.2
05/13/2022 United States U. of Mich. 1 Yr Inflation May 5.40% 5.40%	05/13/2022	United States	U. of Mich. Current Conditions	Мау	68	69.4
	05/13/2022	United States	U. of Mich. Expectations	Мау	64.1	62.5
05/13/2022 United States U. of Mich. 5-10 Yr Inflation May 3.00%	05/13/2022	United States	U. of Mich. 1 Yr Inflation	Мау	5.40%	5.40%
	05/13/2022	United States	U. of Mich. 5-10 Yr Inflation	Мау		3.00%

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